

GW12569

omit

DOM # 0070007-01

FORM 9-1642 G P S d 12/4/96 DH/PP (1-68)

Well No. K 23

E-log # 26

WELL SCHEDULE

U. S. DEPT. OF THE INTERIOR

GEOLOGICAL SURVEY

WATER RESOURCES DIVISION

MASTER CARD

Record by WTR Source of data USGS - Base Date 6/69 Map BRUCE 112-B

State 2 28 County (or town) Calhoun 2 07

Latitude: 33^{deg} 52^{min} 38^{sec} N Longitude: 08^{deg} 91^{min} 55^{sec} W Sequential number: 1

Lat-long accuracy: 20 T. 14 R. 1 S. 11 NW t. NE t. SE t.

Local well number: K023AD1114501W Other number: B & H

Local use: 053026 Owner or name: Duncan Hill Well

Owner or name: DUNCAN HILL W A Address: _____

Ownership: County, Fed Gov't, City, Corp or Co, Private, State Agency, Water Dist N

Use of water: (A) Air cond, (B) Bottling, (C) Comm, (D) Dewater, (E) Power, (F) Fire, (G) Dom, (H) Irr, (I) Mnd, (J) P S, (K) Rec, (L) Stock, (M) Instit, (N) Unused, (O) Repressure, (P) Recharge, (Q) Desal-P S, (R) Desal-other, (S) Other P

Use of well: (A) Anode, (B) Drain, (C) Seismic, (D) Heat Res, (E) Obs, (F) Oil-gas, (G) Recharge, (H) Test, (I) Unused, (J) Withdraw, (K) Waste, (L) Destroyed W

DATA AVAILABLE: Well data Freq. W/L meas.: Field aquifer char.

Hyd. lab. data: _____

Qual. water data: type: MS604 Part. 10/67 USGS 11/70

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

Aperture cards: _____

Log data: Gamma Ray 8-810; Electric Log 693-1939 D/E

WELL-DESCRIPTION CARD

SAME AS ON MASTER CARD Depth well: TD A471 ft 1187.5 Mess. rept. accuracy 3

Depth cased; (first perf.): 1800 ? ft 1184.5 Casing type: steel; Diam. 6x3 in 6

Finish: (C) porous concrete, (F) gravel w. gravel w. (G) horiz. gallery, (H) open end, (I) perf., (J) screen, (K) sd. pt., (L) shored, (M) open hole, (N) other 3

Method Drilled: (A) air rot, (B) bored, (C) cable, (D) dug, (E) hyd jetted, (F) air rot., (G) percussion, (H) rotary, (I) reverse, (J) trenching, (K) driven, (L) drive wash, (M) other H

Date Drilled: 3/66 9:6:6 Pump intake setting: _____ ft _____

Driller: T. M. PARKS

Lift (type): (A) air, (B) bucket, (C) cent, (D) jet, (E) multiple, (F) multiple, (G) none, (H) piston, (I) rot, (J) submers, (K) turb, (L) other Deep Shallow 40

Power (type): (A) diesel, (B) elec, (C) gas, (D) gasoline, (E) hand, (F) gas, (G) wind, (H) H.P. 15 U Trans. or meter no. _____

Descrip. MP _____ ft above LSD, Alt. MP _____

Alt. LSD: 350 Accuracy: (source) topo 4

Water Level: _____ ft above MP; _____ ft below LSD 192 Accuracy: _____ D

Date meas: 3:6:6 Yield: _____ gpm 8.5 Method determined 4

Drawdown: 156 ft 859 Accuracy: _____ Pumping period _____ hrs _____

QUALITY OF WATER DATA: Iron 63 ppm Sulfate 0 ppm Chloride 226 ppm Hard. 39 ppm

Sp. Conduct 1020 k x 10⁶ 5 Temp. _____ °F Date sampled 12-2-70

Taste, color, etc. Well rep. pumping sand 1967

*11/8/90
could not
get tape down
pump changed
to submers
1974/78
WL = 148.*

PUNCHED and VERIFIED
ROLLA COMPUTATION BRANCH

Well No.

T
12
W

Well No. K23

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

HYDROGEOLOGIC CARD

Physiographic Province: 03 Section: _____
 Drainage Basin: D Subbasin: 15G

Topo of well site: (D) depression, stream channel, dunes, flat, hilltop, sink, swamp, _____
 (S) offshore, pediment, hillside, terrace, undulating, valley flat _____

MAJOR AQUIFER: K3 GØ GØ
 system series aquifer, formation, group
 Lithology: R Origin: 2 Aquifer Thickness: _____ ft

Length of well open to: 36 ft Depth to top of: 1785 ft A78

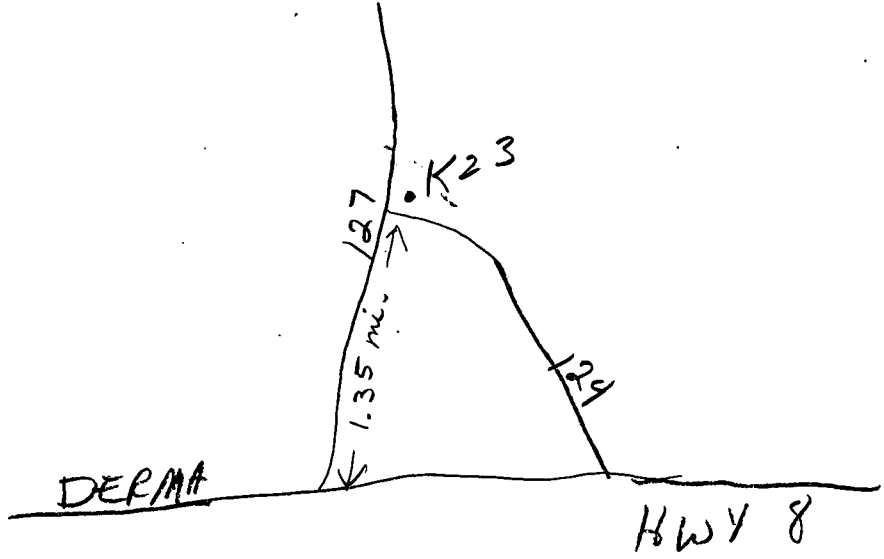
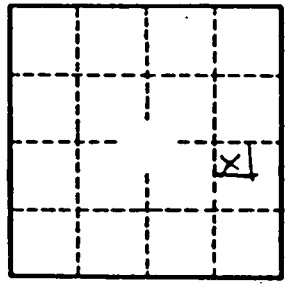
MINOR AQUIFER: _____
 system series aquifer, formation, group
 Lithology: _____ Origin: _____ Aquifer Thickness: _____ ft

Length of well open to: _____ ft Depth to top of: _____ ft

Intervals Screened:
 Depth to consolidated rock: _____ ft Source of data: _____
 Depth to basement: _____ ft Source of data: _____
 Surficial material: _____ Infiltration characteristics: _____
 Coefficient Trans: _____ spd/ft Coefficient Storage: _____
 Coefficient Perm: _____ spd/ft²; Spec cap: _____ gpm/ft; Number of geologic cards: _____

population served 200 (60 meters)
 tank 5,000 gal ground

Arcola @ 1263 ft
 Eutaw @ 1373 ft
 Gordc @ 1697 ft



Well No. K23

Calhoun
K23
3-66
M.G.S.

R 12510

MISSISSIPPI
BOARD OF WATER COMMISSIONERS
416 North State Street
Jackson, Mississippi 39201

CODED

WATER WELL DRILLERS LOG

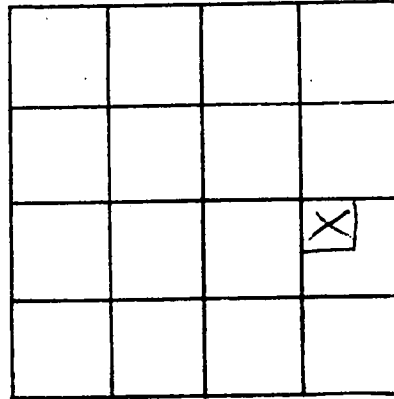
MAR. 66 19 T.M. Parks Drilling Co. Calhoun
date well completed firm name county well located

LANDOWNER: <u>DUNCAN Hill</u>	description of formations encountered	from	to
<u>Water Ass'n.</u>			
<u>Calhoun, Miss.</u> (mailing address)	<u>Clay Sand + Shale</u>	<u>0</u>	<u>650</u>
	<u>Chalk & G. Rock w/ shale</u>	<u>650</u>	<u>990</u>
	<u>Shale w/ Fine Sand</u>	<u>790</u>	<u>1100</u>
	<u>Shale, Chalk Rock</u>	<u>1100</u>	<u>1380</u>
	<u>Fine Sand + Shale</u>	<u>1310</u>	<u>1700</u>
	<u>HARD TRAC OF PINK</u>	<u>1700</u>	<u>1800</u>
	<u>SAND + GRAVEL</u>	<u>1800</u>	<u>1930</u>
	<u>GRAVEL w/ Red</u>	<u>1850</u>	<u>1947</u>
	<u>TO</u>		<u>1947</u>
WELL LOCATION:			
sec. <u>11-T-14</u> S R. <u>10</u> E			
<u>11</u> miles <u>NE</u> of <u>Calhoun</u>			
(distance) (direction) (nearest town)			
WELL PURPOSE: <u>municipal</u> (home, irrigation, municipal, industrial)			
WELL COMPLETION DATA:			
(1) diameter (inches) <u>6</u>			
(2) total depth (feet) <u>1947</u>			
(3) static water level (feet) <u>142</u> below above top of ground.			
(4) casing <u>Steel</u> , <u>698</u> (material) (depth)			
<u>3</u> If telescope see back. (size)			
(5) screen <u>30'</u> , <u>Stainless</u> (length) (depth to top) (material)			
(6) pump <u>15</u> , <u>8.5</u> (HP) (yield gpm)			
<u>Single Phase w/</u> (type/power)			
(7) electric log <u>yes</u> (yes or no) (USGS # <u>26</u>)			
<u>Miss Survey</u> (organization running log)			
(8) how well bottom plugged <u>BPU</u>			
DRILLERS REMARKS:			
APR 17 1969			
MISS. RD. OF WATER COMM.			

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If well telescopes please sketch and show depths.

GROUND LEVEL



SECTION 11

Please indicate well location X.

ADDITIONAL INFORMATION

If more than one screen, show locations of each on sketch.

DEPARTMENT OF ENVIRONMENTAL QUALITY - OLWR

PUBLIC SUPPLY WELLS PROJECT

GPS LOG

USER NAME(S): Hardin / Phillips DATE: 12/4/96

UNIT DEQ #: _____ FILE #: A120415F

HEALTH DEPT. #: 070007-01 ELEV. 356'

USGS #: K23 OLWR #: Gw12569

OWNER: Duncan Hill water supply QUAD: Bruce

LOCATION: NE/SE S 11 T 14S R 11W COUNTY: Calhoun

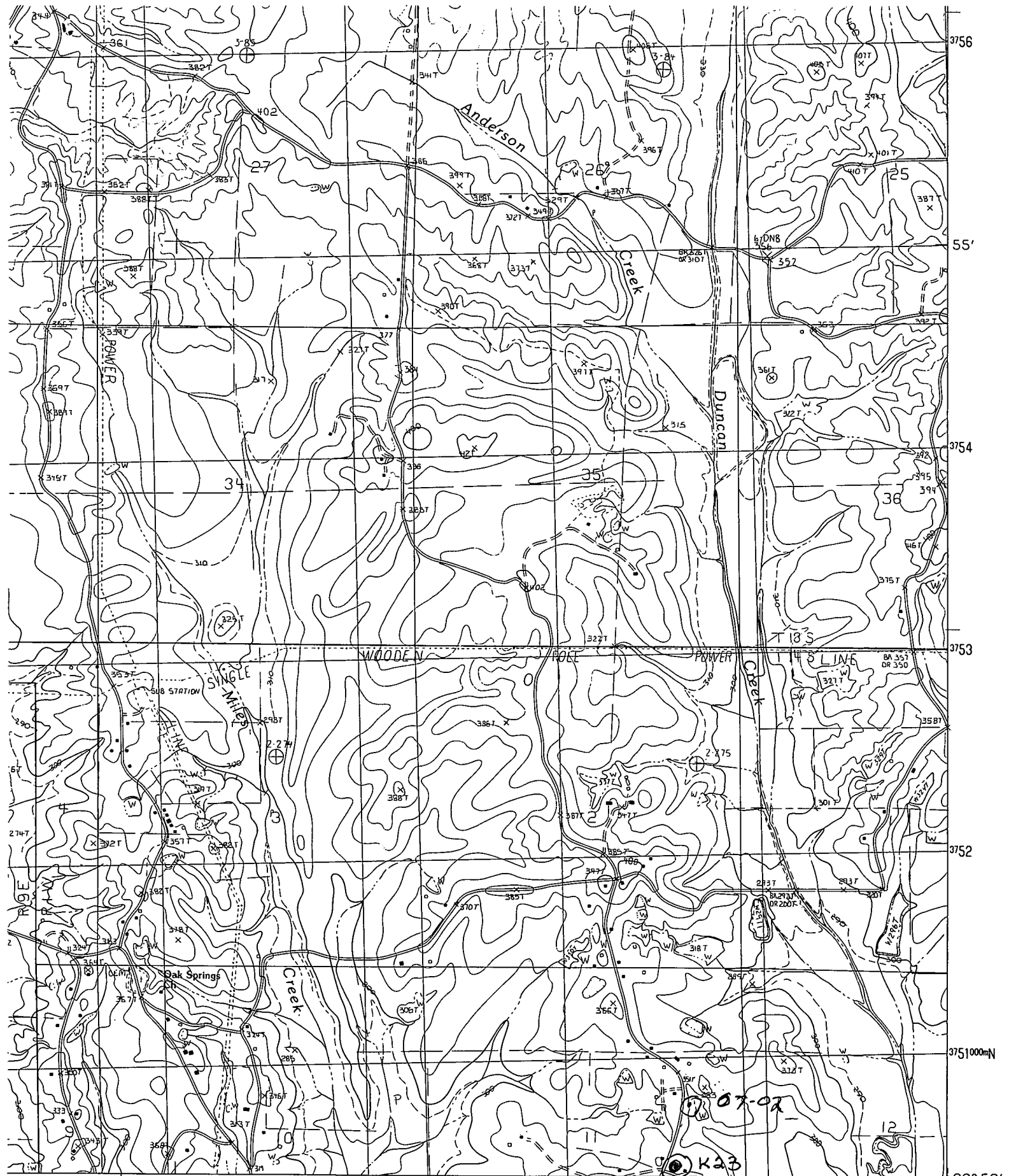
LOCATION DESCRIPTION: Corner of county rds 419 & 420 ; 1.3 miles
north Hwy 8.

CASING DIA: _____ PUMP TYPE & SIZE: submersible

GPS FIELD LOCATION: LAT. 33° 52.516' N LONG. 89° 15.920' W

GPS CORRECTED LOCATION: LAT. 33.87539949 LONG. 89.26504352

REMARKS: Measured 25' east of well



17° 30" 289 290 0700 07-01 291000mE 89° 15' 33° 52' 1000mN

INTERIOR—GEOLOGICAL SURVEY, RESTON, VIRGINIA—1984

ROAD LEGEND

- Improved Road
- Unimproved Road
- Trail

