GW632

Kirkville

DOH # 290004-01
GPSd 1/5/99 WW

FORM 9-1642
(1-68)

Well No. A 18

Elog # 54 **PUNCHED**

WELL SCHEDULE

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

MAR 23 1973

SEP 26 1973

JAN 11 1974

MASTER CARD Q — BOWC — 9/73

Record by WTO — Source of data Obs driller — Date 2-28-73 — Map Kirkville

State Miss [28] — County (or town) ITAWAMBA [29]

Latitude: 34 25 53 N — Longitude: 088 28 47 — Sequential number: 1

Lat-long accuracy: 2 — T T N R 8 E W Sec 32 SW ¼, SW ¼, NE ¼ — B & M

Local well number: A018CA3207S08E — Other number:

Local use: 02 054 — Owner or name:

Owner or name: HOUSTON W A — Address:

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.: [ ] Field aquifer char. [ ]

Hyd. lab. data: [ ]

Qual. water data; type: USGS 4/73 — C

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

Aperture cards: [ ] yes

Log data: Elog 5' - 337' — D E

1987
WL = 55.9
1989
WL = 54.0

1/4/28
WL = 51.
10/9/85
51'

WELL-DESCRIPTION CARD

SAME AS ON MASTER CARD — Depth well: [ ] ft — Meas. 353 — rept accuracy [ ] — 3

Depth cased; (first perf.) [ ] ft — 292 — Casing type: [ ]; Diam. 8x4 in — 8

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

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

Date Drilled: 9 7 3 — Pump intake setting: [ ] ft

Driller: R. HERNDON (name), SHANNON, MISS. (address)

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

Power (type): nat gas, LP gas, diesel, elec, gasoline, hand, wind; H.P. 15 10 — U — Trans. or meter no.

Descrip. MP 350 ft above / below LSD, Alt. MP [ ]

Alt. LSD: 355 — Accuracy: (source) topo — 4

Water Level [ ] ft above / below MP; Ft above / below LSD 45 — Accuracy: 300 — A

Date meas: 4 7 3 — Yield: [ ] gpm 1 9 2 — Method determined [ ]

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

QUALITY OF WATER DATA: Iron .60 ppm — Fluor. [ ] ppm — Chloride [ ] ppm — Hard. [ ] ppm

Sp. Conduct [ ] K x 10^6 — Temp. [ ] °F — 175 — Date sampled 4 7 3

Taste, color, etc. .60

Well No.

Well No. _____

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

GIC 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 TE (28–29) _____ aquifer, formation, group GO (30–31)

Lithology: _____ G (32) Origin: _____ 2 (34) Aquifer Thickness: 60+ ft

(35–37) Length of well open to: _____ ft 161 (38–40) Depth to top of: _____ ft 285 (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: 292-353 (from log)

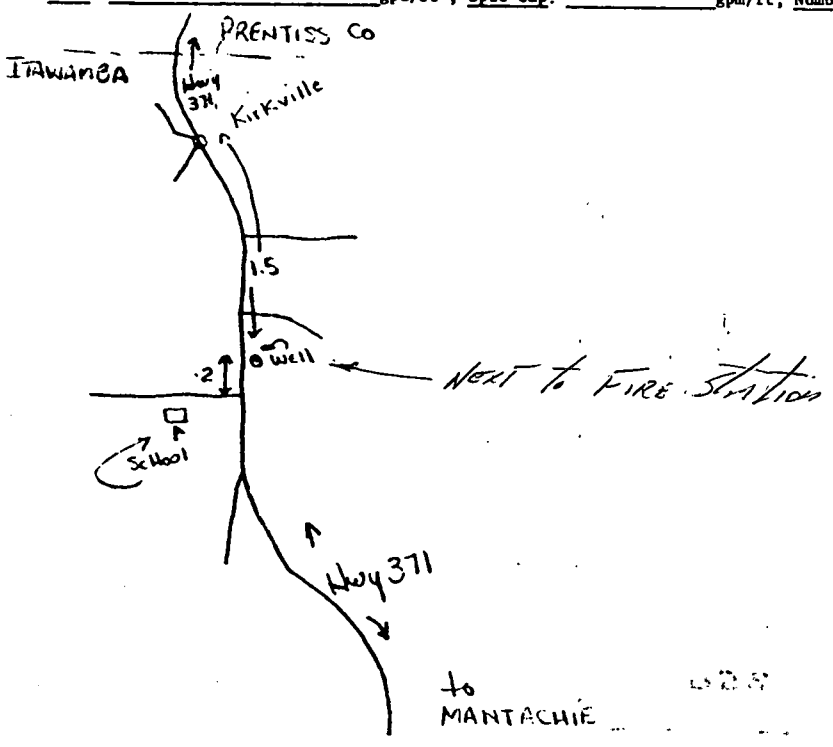
Depth to consolidated rock: _____ ft (60–63) Source of data: _____ (64)

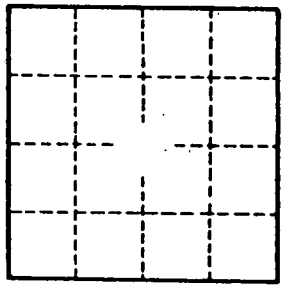
Depth to basement: _____ ft (65–68) Source of data: _____ (69)

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)





65.00
8.60
56.40
1.40
54.00 5/89

60.00
2.67
57.33
3.40
54.83

Well No.

GPO 937-142

ITAWAMBA
A18
8-73
Eng #54

Coded

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

WATER WELL DRILLERS LOG

August 1973 Herndon Well & Supply Co. Itawamba
date well completed | firm name | county well located

LANDOWNER: Houston Community Water Association, Inc

Route, Baldwyn, MS
(mailing address)

WELL LOCATION:
sec. 32 T 7 N S R 8 E

In Community of (distance) (direction) of Houston (nearest town)

WELL PURPOSE: Rural Association
(home, irrigation, municipal, industrial)

WELL COMPLETION DATA:

(1) diameter (inches) 8 x 4

(2) total depth (feet) 353

(3) static water level (feet) 54 above top of ground.

(4) casing Steel (material), 292 (depth),
8" (size) If telescope see back.

(5) screen 61' (length), 273 - top of lap (depth to top)
4" (size), Stinless steel (material)

(6) pump 10 (HP) 192 (yield gpm)
27.43 GPF
Elec. (type power)

(7) electric log Yes (yes or no)
USGS (organization running log)

(8) how well bottom plugged 4" B/W Valve

DRILLERS REMARKS:

description of formations encountered	from	to
Red clay	0	20
White sand	20	25
Sand and shale	25	40
White sand mixed with shale and clay	40	84
Blue sand	84	100
Red and white sand	100	140
Blue clay	140	160
Sand	160	200
Shale	200	220
Gumbp	220	280
Gravel	280	340

OCT 01 1973

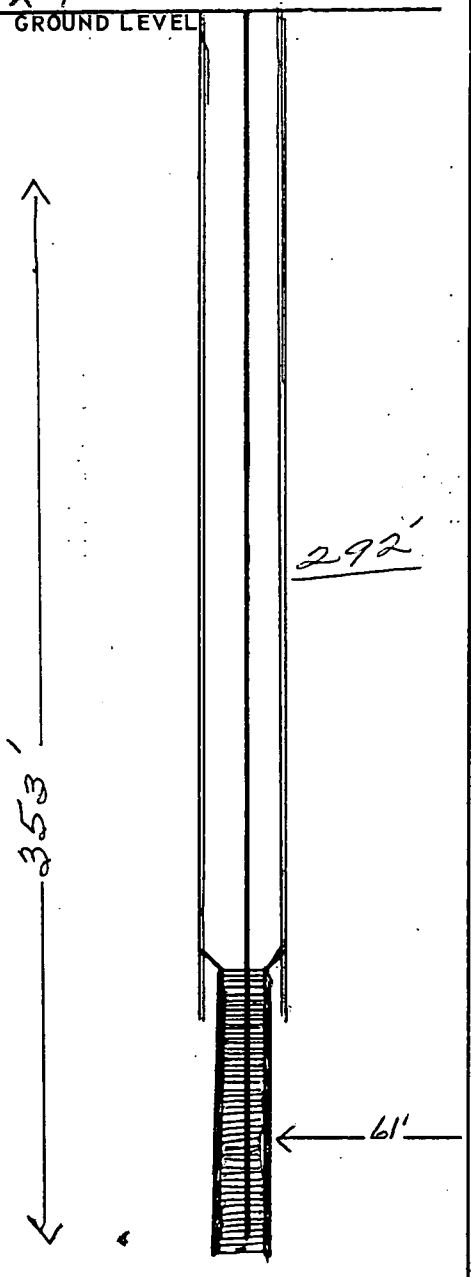
MISS. BD. OF
WATER COMM.

(X)

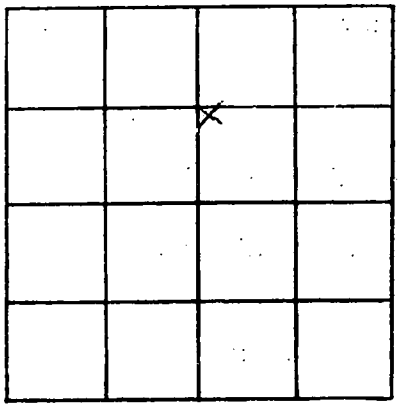
If well telescopes please sketch and show depths.

5 x 4

GROUND LEVEL



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



SECTION 32

Please indicate well location X.

ADDITIONAL INFORMATION

Static W.L. 54'

DEPARTMENT OF ENVIRONMENTAL QUALITY - OLWR

PUBLIC SUPPLY WELLS PROJECT

GPS LOG

USER NAME(S): Wayne DATE: 1/5/99

UNIT DEQ #: _____ FILE #: B010517A

HEALTH DEPT. #: 290004-01 ELEV. 345

USGS #: A18 OLWR #: MS-GW-00632

OWNER: Houston W.A. QUAD: Kirkville

LOCATION: SW NE NE SW S 32 T 7S R 8E COUNTY: Itawamba

LOCATION DESCRIPTION: _____

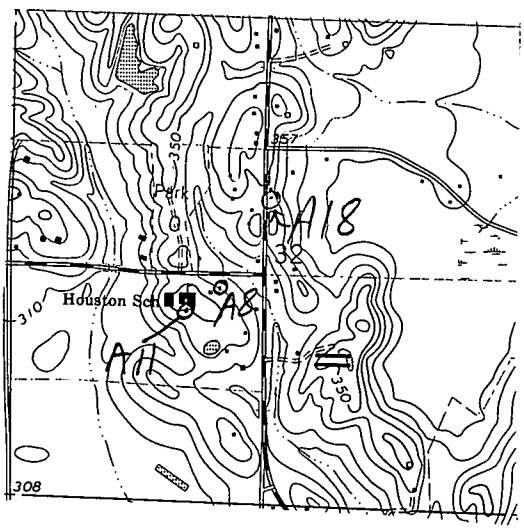
CASING DIA: _____ PUMP TYPE & SIZE: _____

GPS FIELD LOCATION: LAT. 34° 25' 52.5" LONG. 88° 28' 49.9"

GPS CORRECTED LOCATION: LAT. 34.431225N LONG. 88.480567W

REMARKS: _____

A18. Houston WA. 290004-01. Measure through plug on south side (right side in this view) rather than the vent on other side. Itawamba.



APPLICATION FOR PERMIT TO DIVERT OR WITHDRAW FOR BENEFICIAL USE THE PUBLIC WATERS OF THE STATE OF MISSISSIPPI

RECEIVED
MAY 0 9 1995
Dept. of Environmental Quality
Office of Land & Water Resources

DEPARTMENT OF ENVIRONMENTAL QUALITY, OFFICE OF LAND AND WATER RESOURCES
P.O. BOX 10631, JACKSON, MS 39289-0631; (601) 961-5202

LWR

This box is for office use only. 6-13-95 AGN.

FORM OLWR-AP-2 (REV. 9/94)

Issued: 10-22-85	Expires: 10-22-2005	Fee Paid: X	Permit No. MS-GW-00632
Lat. O.K	Long. O.K.	Elev.	USGS No. A18
Quad. Kirkville	ASCS Farm No.	STAC.	MSDOH No.
Aquifer: GORD	Tract No.		Basin No.
Remarks:			Dam Inv. No.

THIS APPLICATION IS FOR (Circle one): **NEW PERMIT** **RENEWAL** - PERMIT NO. MS-GW-00632

THIS APPLICATION IS FOR (Circle one): **GROUNDWATER** - COMPLETE A,B,E

SURFACE WATER - COMPLETE A,C,D,E

BENEFICIAL USE (Circle one or more): 1) Public Supply - Municipal, Rural Water, or Private Water 2) Irrigation 3) Industrial 4) Fish Culture 5) Recreation 6) Institutional (eg. Church, School) 7) Commercial (eg. Hotel, Casino, Restaurant) 8) Fire Protection 9) Livestock 10) Flood Protection 11) Other: _____

SECTION A (to be completed by **ALL APPLICANTS**)

LANDOWNER: Houston Community Water Assn. (Name) 64-0663221 (SSN or Tax ID No.)

758 Forks So. Rd. (Itawamba County) (Address)

Marietta (City) MS 38856 (State & Zip) (601) 365-5106 (Telephone No.)

APPLICANT, AGENT, OR LESSEE (if different from Landowner):

(Same As Above) (Name) _____ (SSN or Tax ID No.)

_____ (Address)

MAP sent

_____ (City) _____ (State & Zip) (___) _____ (Telephone)

Location of diversion/withdrawal point (A suitable map with location marked must accompany this application):

O.K. SW 1/4 of the NE 1/4 of Section 32, Township 7 South, Range 8 EAST, County Itawamba

Does the land to which this application pertains have any source(s) of water other than that for which you are now applying (circle one)? YES (NO) If yes, describe the nature and amount of any additional supply and, if applicable, list permit number. _____

SECTION B (to be completed for **GROUNDWATER SOURCE**)

1. **AQUIFER:** Gordo **MISSISSIPPI DEPARTMENT OF HEALTH NO.:** _____
2. Proposed work will begin on _____, 19____, and will be completed by _____, 19____. If well has already been drilled, when was well completed (date)? 1973, 19 73. Under whose name was well originally drilled (if known)? Houston Community Water Assn.
3. Description of proposed or completed well:
   (a) DEPTH OF WELL: 353 feet. DRILLER: Herndon Well & Supply
   (b) SURFACE CASING: Length 292 feet; Diameter 8" inches; Type Steel
   (c) SCREEN: Length 61 feet; Diameter 4 inches; Type Stainless Steel Wire Wound
   (d) PUMP: Type Vertical Turbine; Size 8"; Capacity 250 gallons per minute; Setting depth 100 feet
   (e) POWER UNIT: Type _____; Size _____ horsepower
4. **PERMITTED VOLUME :**
   (a) _____ acre-feet per year at a maximum rate of _____ gallons per minute
   (b) ~~0.06~~ 0.14 million gallons per day at a maximum rate of 250 gallons per minute

(CONTINUED ON BACK)

0.06 PAK

SECTION C (to be completed for **SURFACE WATER SOURCE**)

1. Source of water is from _____ which drains into _____
   which drains into _____.
   (major stream or river)
2. Discription of pump/diversion works:
   Pump (size & type): _____ Power Unit (size & type): _____
   Lift: _____feet Maximum capacity: _____gallons per minute
3. _____acre-feet per year at a maximum rate of _____gallons per minute

SECTION D (to be completed for **SURFACE WATER IMPOUNDMENTS {DAMS}** on continuously flowing streams)

1. Name of storage reservoir: _____ Dam Height: _____feet
2. Surface area at normal pool: _____ Storage capacity at normal pool: _____acre-feet

SECTION E **WATER USE DATA (ALL APPLICATIONS** - complete section related to beneficial use)

1. **IRRIGATION**: List the number of acres of each crop to be irrigated: Rice_____; Cotton_____; Oats_____;
   Corn_____; Soybeans_____; Pasture_____; Truck_____; Wheat_____; Grain Sorgum_____;
   Other (specify)_____Acres_____
   A. Method of Irrigation (circle one) - **Center Pivot** **Flood** **Furrow**
   B. Land Condition (circle one) - **Precision Land Formed** **Smoothed**
   C. ASCS Farm No._____ **Tract No.**_____
2. **FISH CULTURE**: Explain how water will be used: _____
   How often will reservoir (s) be emptied and refilled? _____
3. **MUNICIPAL, WATER ASSOCIATION,** or **PRIVATE WATER SYSTEM**
   Chose "a" or "b". (a) The number of people served is 1000 or (b) The number of connections is 325
   What is the estimated average daily consumption during periods of maximum use at the end of each five-year period during the next twenty (20) years?
   _____ (Volume) _____ (Year); _____ (Volume) _____ (Year); _____ (Volume) _____ (Year); _____ (Volume) _____ (Year)
4. **INDUSTRIAL** : If the water is to be released into a watercourse, indicate the amount released each year _____;
   Rate of release _____; NPDES Permit No. _____
   Explain any changes in quality of water to be released: _____
   Explain how water will be used: _____
   How much groundwater will be used for once-through non-contact cooling? _____
5. **RECREATION**: Explain how water will be used: _____
6. **OTHER USE**: Explain in detail (if needed, attach another page): _____
7. **REMARKS**: _____

List below the person to be contacted for additional information if required.

Bobby Barnes
(Name)

758 Forks So. Rd.
(Address)

Marietta, MS 38856
(City, State, Zip)

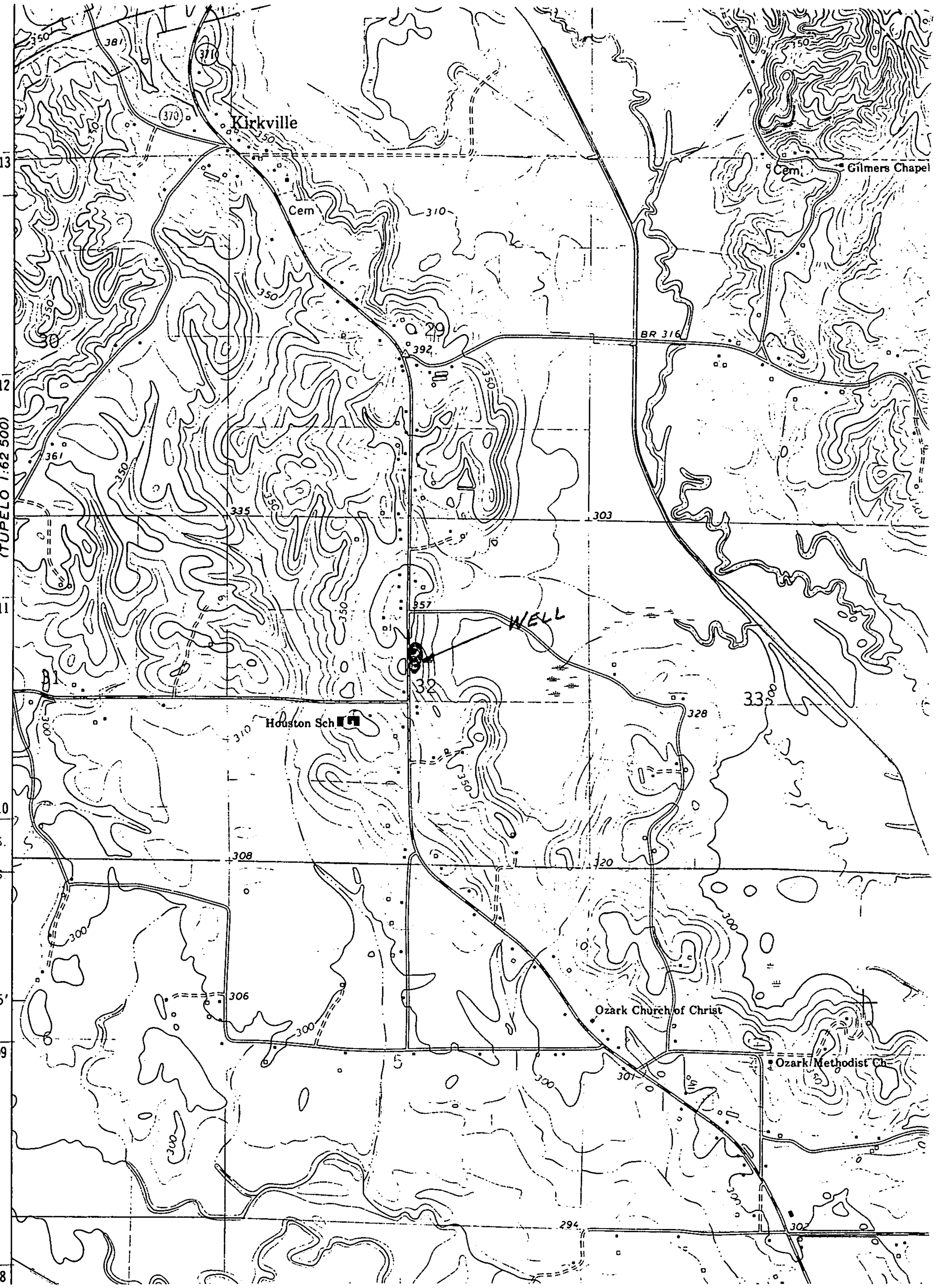
601-365-5106
(Telephone)

The accompanying map is hereby declared a part of this application.
For irrigation and fish culture use, an ASCS photograph is required.
The **TEN DOLLAR ($10.00) permit fee** is enclosed herewith.

_____
(Signature)

Subscribed and sworn to before me this 5th day of May, 1995, at Lee County of Mississippi

My commission expires January 1, 1996; _____ Notary Public.
Lee Co. Circuit Clerk



Kirkville
Cem
Gilmers Chapel
BR 316
WELL
Houston Sch.
Ozark Church of Christ
Ozark Methodist Ch
3813
3812
3811
3810
3809
3808
25′
T. 7 S.
T. 8 S.
3252 I
(TUPELO 1:62 500)
29
30
31
32
33
5
392
357
335
303
328
308
320
306
301
294
302
361
381
370
371
350
310
300