6/78 WTO

T/ADP 3/83 GW1587
DOH # 160010-02

Recorded by D.D.
Date 9-29-80

U.S. GEOLOGICAL SURVEY
WATER RESOURCES DIVISION
MISSISSIPPI DISTRICT
WELL RECORD
Hot Coffee Quad

Well No. G-36
E-Log No. 75
County COVINGTON

Site ID 313804089290501 (5 … 19) | R=0* | T=A* | 2=W*

GEN. SITE DATA

Data reliab. 3=C* (C, U) | Report. agency 4=USGS* | Dist. 6=28* | 7=28* | Co. 8=C31*

Lat. Long./ 9=313804* | 10=0892905* | Well No. 12=G036*

Location (SW NW) 13=SWNW S26 T08N R15W* | Alt. 16=451.* (OK BSW)

Hyd. Unit (OWDC) 20= * | Date 21=07121950*

Well use 23=W* | Water Use 24=P* | Hole depth 27=1120.* | Well depth 28=986.*

WL 30=226.* | Date 31=12041981* | Source 33=S*

Status 273= * | Project No. 5= * | WA MOCN

2/10/81
290
61.40
28.60
2.4
26.20
51
26
25

MP = 2" Vent of 7 2.4' above LS

OWNER

R=158* | T=A* | Date 159#11011980* | Owner No. #2

Owner 161#WILLOW GROVE W A*

FIELD QW

R=192*	T=A*	Date 193#01271981*	Temp. 196#00010*	197=24.0*
R=192*	T=A*	Date 193# / / *	Cond. 196#00095*	197= . *
R=192*	T=A*	Date 193# / / *	pH 196#00400*	197= . *

CONSTR.

R=58* | T=A* | 59# 1* | Date 60=11011980* | Remarks

Drlg. 63=184* | Name STRINER DRILLING SERVICE | Method 65=H* | Finish 66=S*

CASING

R=76* | T=A* | 59#1*

Top csgn. 77#0.* | Bot. csng. 78=922.* | Diam. 79#12.*

R=76* | T=A* | 59#1*

Top csng 77#860.* | Bot. csgn. 78=926.* | Diam. 79#8.*

OPENINGS

R=82* | T=A* | 59#1* | Top 83#926.* | Bottom 84=986.*

Type 85=S* | Diam. 87=8.* | Size 88=.016*

R=82* | T=A* | 59#1* | Top 83# .* | Bottom 84= .*

Type 85= * | Diam. 87= . * | Size 88= . *

YIELD

R=146* | T=A* | 147# 1* | Q 150=500.* | Q/S 272=9.6*

134 flows 146 pumped

@65#

LIFT

R=42* | T= A * | Lift type 43# T * | Intake 44= * | Power type 45= E *

Date 38= 11/01/1980 * | H.P. 46= 75. *

LOGS

R=198* | T= A * | Log 199# E * | Top 200= 10. * | Bot 201= 1039. *

R=198* | T= A * | Log 199# D * | Top 200= 0. * | Bot 201= 1125. *

R=189* | T= A * | E Log No. 190# 075 * | 191= M I S S D I S T *

ANAL.

R=114* | T= A * | Year 115# * | Type 120= *

AQUIFERS

R=90* | T= A * | 256# 1 * | Top 91= 925. * | Bot 92= 985. *

Unit ID 93= 122CTHL * | Name of Unit

R=90* | T= A * | 256# 1 * | Top 91= . * | Bot 92= . *

Unit ID 93= * | Name of Unit

HYDRAULICS

R=98* | T= A * | 99# 1 * | Unit tested 100= * | 103= *

R=105* | T= A * | 99# 1 * | Test No. 106# *

107= * | Transmissivity (gal/d)/ft

108= . * | Hydraul. cond. (gal/d)/ft^2

110= . * | Storage coeff. | Boundaries

R=121* | T= * | Yr Begin 122# * | Network 258= *

Water Level Data Collection (1)

Mason

pH = 8.6

Alk = 230

Cl = 35

SO_4 = 10.4

F = 1.2

CO_2 = 0

Fe = .17

Mg = <1

Mn = .02

Ca = 2.4

Na = 98

K = .2

TSolids = 388

Hard 8

Static WL = 228'

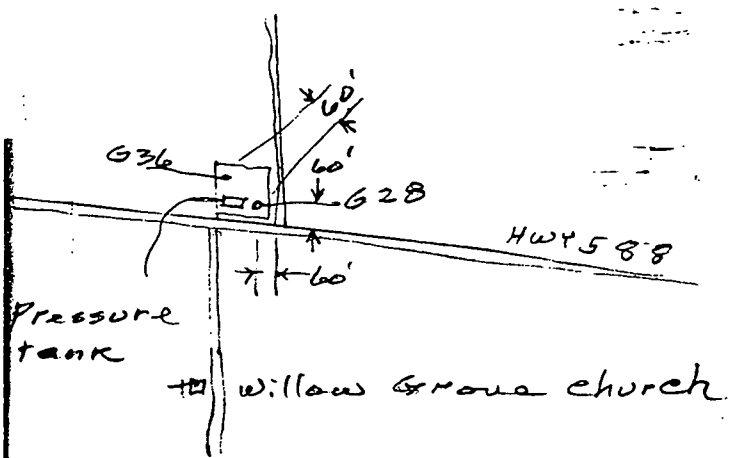
Pumping WL = 280'

52 dd @ 500 gpm

WL 8/6/80 - 224.'

N

description of formations encountered	from	to
Top Soil	0	2
SAND & CLAY STRKS	2	32
SAND & GRAVEL	32	150
CLAY	150	244
SAND	244	373
CLAY	373	412
SAND	412	450
SANDY CLAY	450	490
CLAY & ROCKS	490	690
SAND	690	720
CLAY	720	750
SAND	750	770
CLAY & ROCKS	770	1125



Covington
G 6-36
8/10/80

GW 281 0158 OOJ 3/17/83 Phone call from Bill? He called that he found out log. Says no log had been filed Cole

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

WATER WELL DRILLERS LOG

Oct 1980 — YRINER DRILLING SER. — COVINGTON

date well completed — firm name — county well located

LANDOWNER: WILLOW GROVE WATER ASSOC., WELL No. 2
(mailing address)

WELL LOCATION:
sec. 27 T 8 (N) S R 15 E (W)

——miles —— of —— (distance) (direction) (nearest town)

WELL PURPOSE: RURAL WATER ASSOC.
(home, irrigation, municipal, industrial)

WELL COMPLETION DATA:

(1) diameter (inches) 12 3/4"
(2) total depth (feet) 986'
(3) static water level (feet) 222 (below) above top of ground.
(4) casing Steel (material), 922' (depth), 12 3/4" (size) if telescope see back.
(5) screen 60 (length), 926 (depth to top)
8" (.016) 304 S.S. (size) (material)
(6) pump 75 (HP) 500 (yield gpm)
Elect. (type power)
(7) electric log Yes (yes or no)
Miss. Geol. Survey (organization running log)
(8) how well bottom plugged BACK WASH VALVE

DRILLERS REMARKS:

description of formations encountered	from	to
TOP SOIL	0	2
SAND + CLAY STREAKS	2	32
SAND + GRAVEL	32	150
CLAY	150	244
SAND	244	373
CLAY	373	412
SAND	412	450
SANDY CLAY	450	490
CLAY + ROCKS	490	690
SAND	690	720
CLAY	720	930
SAND	930	990
CLAY + ROCKS	990	1125

DEPT. OF NATURAL RESOURCES
BUREAU OF LAND & WATER RESOURCES
OCT 23 1980
RECEIVED

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

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

This box is for office use only. 2-27-96 AGN.

Dept. of Environmental Quality
FORM OLWR-AB-2 (REV. 9/94)

Issued: 4-8-86	Expires: 4-8-2006	Fee Paid: ✓	Permit No. GW-1587
Lat. 31 38 03 ok	Long. 89 29 11 ok	Elev. 412	USGS No.
Quad. Hot Coffee	ASCS Farm No.	STAC.	MSDOH No.
Aquifer: MOCN.	Tract No.		Basin No.
Remarks:			Dam Inv. No.

THIS APPLICATION IS FOR (Circle one): **NEW PERMIT** **(RENEWAL) PERMIT NO** MS-6W-01587

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: WILLOW GROVE WATER ASSN. (Name) 64-0563948 (SSN or Tax ID No.)

P. O. BOX 461 (Address)

COLLINS (City) MS 39428 (State & Zip) (601) 765 - 0651 (Telephone No.)

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

SAME (Name) _____ (SSN or Tax ID No.)

NO MAP

_____ (Address)

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

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

SE 1/4 of the NE 1/4 of Section 27, Township 8N, Range 15W, County Covington

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:** MIOCENE **MISSISSIPPI DEPARTMENT OF HEALTH NO.:** 160010
2. Proposed work will begin on N/A, 19____, and will be completed by _____, 19____. If well has already been drilled, when was well completed (date)? Sept., 19 80. Under whose name was well originally drilled (if known)? SAME
3. Description of proposed or completed well:
   (a) DEPTH OF WELL: 986ft. feet. DRILLER: Griner Drilling Ser., Inc.
   (b) SURFACE CASING: Length N/A feet; Diameter _____ inches; Type _____
   (c) SCREEN: Length 60 feet; Diameter 8 inches; Type Stainless Steel
   (d) PUMP: Type Electrical; Size 75HP; Capacity 500 gallons per minute; Setting depth _____ feet
   (e) POWER UNIT: Type VHS; Size 75 horsepower
4. **PERMITTED VOLUME:**
   (a) N/A acre-feet per year at a maximum rate of _____ gallons per minute
   (b) 0.125 ✓ (0.09) million gallons per day at a maximum rate of ✓ 500 (500) gallons per minute

(CONTINUED ON BACK)

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 N/A; Cotton N/A; Oats N/A; Corn N/A; Soybeans N/A; Pasture N/A; Truck N/A; Wheat N/A; Grain Sorgum N/A; Other (specify) N/A Acres N/A
   A. Method of Irrigation (circle one) - **Center Pivot** **Flood** **Furrow**
   B. Land Condition (circle one) - **Precision Land Formed** **Smoothed**
   C. ASCS Farm No. N/A **Tract No.** N/A
2. **FISH CULTURE**: Explain how water will be used: N/A
   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 _____ or (b) The number of connections is 599
   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 N/A;
   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: N/A
6. **OTHER USE**: Explain in detail (if needed, attach another page): N/A
7. **REMARKS**: N/A

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

DIMPLE WADE
(Name)

P. O. BOX 461
(Address)

COLLINS, MS 39428
(City, State, Zip)

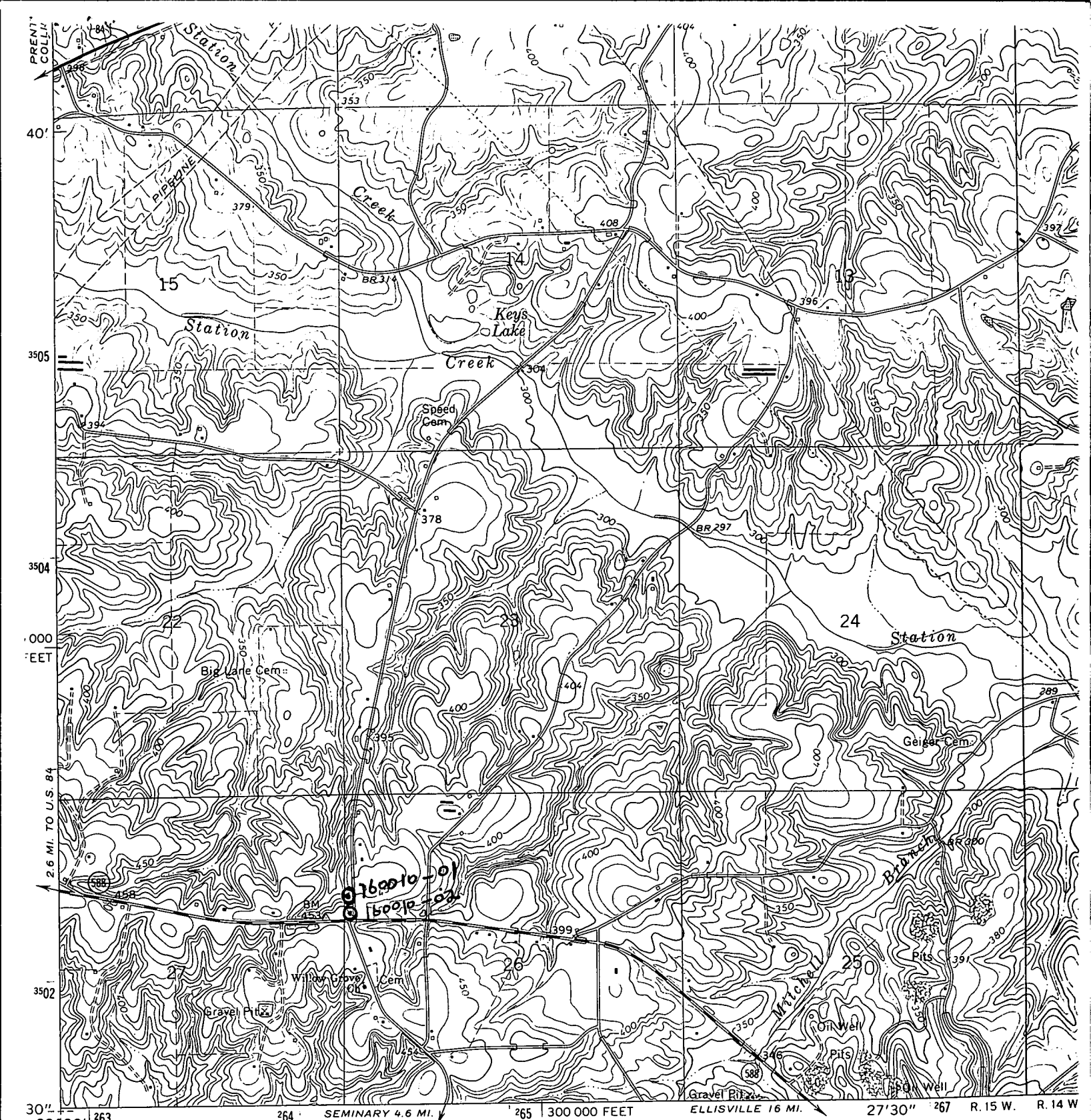
601-765-0651
(Telephone)

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.

Dimple Wade
(Signature)

Subscribed and sworn to before me this 20th day of Oct., 19 95, at Collins County of Covington

My commission expires MY COMMISSION EXPIRES MAY 5, 1997; Lyndia Baker Mathis Notary Public.



Mapped, edited, and published by the Geological Survey

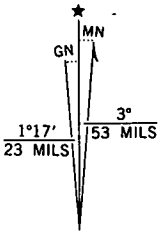
Control by USGS and USC&GS

Topography by photogrammetric methods from aerial photographs taken 1960. Field checked 1965

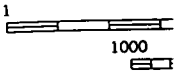
Polyconic projection. 1927 North American datum
10,000-foot grid based on Mississippi coordinate system, east zone
1000-meter Universal Transverse Mercator grid ticks, zone 16, shown in blue

Fine red dashed lines indicate selected fence and field lines where generally visible on aerial photographs. This information is unchecked

To place on the predicted North American Datum 1983 move the projection lines 15 meters south and 6 meters east as shown by dashed corner ticks



UTM GRID AND 1982 MAGNETIC NORTH DECLINATION AT CENTER OF SHEET



A FOLD

DEPARTMENT OF ENVIRONMENTAL QUALITY - OLWR

PUBLIC SUPPLY WELLS PROJECT

GPS LOG

USER NAME(S): Hornbeak DATE: 7/19/96

UNIT DEQ #: 82859 FILE #: B071916A

HEALTH DEPT. #: 160010-02 (No Tag) ELEV. ~~440~~ 451

USGS #: ~~6-28~~ 6036 OLWR #: MS-GW-~~01586~~ 1587

OWNER: Willow Grove Water Assoc. QUAD: Hot Coffee

LOCATION: NW-SW-NW S 26 T 8N R 15W COUNTY: Covington

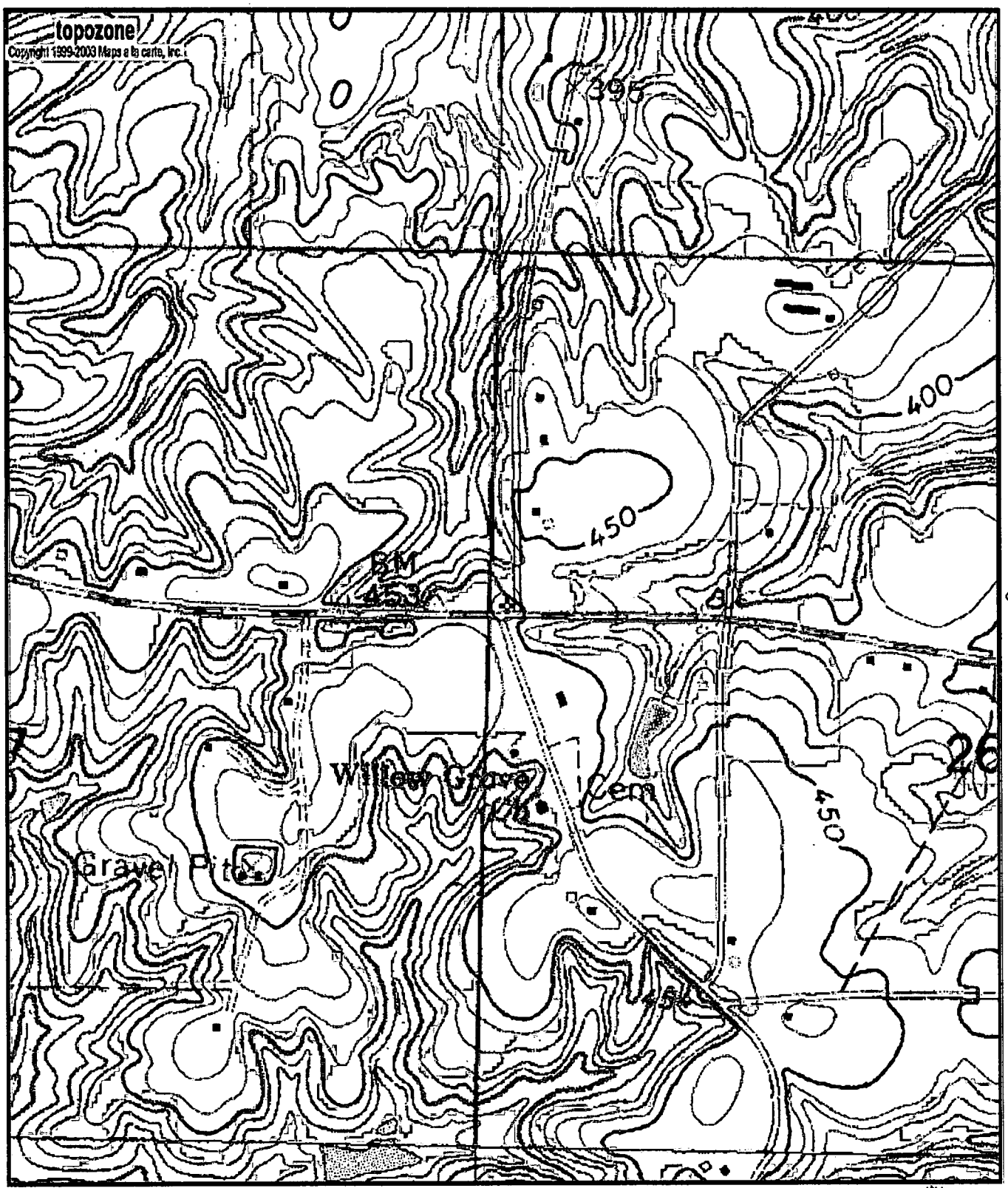
LOCATION DESCRIPTION: At Ground Tank on N. side of Hwy 588, 3.55 mi. SE of Hwy 84 E. (Collins)
At Intersection of Hwy 588 & Willow Grove Church Rd & Pickering-Rogers Rd.

CASING DIA: 12" PUMP TYPE & SIZE: 100 HP Elec.

GPS FIELD LOCATION: LAT. 31° 38' 02.2" LONG. 89° 29' 08.7"

GPS CORRECTED LOCATION: LAT. 31.63328743 LONG. 89.48547629

REMARKS: GPS at well.
(Well is at East End of Ground Tank.)



0160010-02
GW01587
G36

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 31° 38' 00"N, 89° 29' 08"W (WGS84/NAD83)
Hot Coffee quadrangle
Projection is UTM Zone 16 NAD83 Datum

M=-0.011
G=-1.304