



MISSISSIPPI DEPARTMENT OF ENVIRONMENTAL QUALITY

WELL SCHEDULE

FIPS: 53

WELL: K169

LOG NO.:

Recorded by: PPhillips Data Source: Permit Driller's log Date: 9/15/2004
County: Humphreys Permit No.: Gw15948 DOH No.: 0270004-03
Quad: Louise Elevation: 106
1/4: SE 1/4: NE 1/4: SW 1/4: SE Sec.: 10 T: 13N R: 4W

Plotted on quad?: In field? From drillers log? From permit?
Latitude: Longitude: GPS? 5/1/04 From Quad?
Primary aquifer: SPRT Secondary aquifer:
Use: MU Well status: Active Local well name:
Owner: Louise, Town of

Date completed: 4/21/04 Driller: Herndon Well depth: 895 Hole Depth: 926
Pump type: T Power type: E Pump capacity: 325 HP: 40
Casing interval: 0-850 Casing length: 850 Casing diameter: 12 Casing type: steel
Casing interval: 795-855 Casing length: 60 Casing diameter: 8 Casing type: steel
Screen interval: 855-895 Screen length: 40 Screen diameter: 8 Screen type: SS
Type of logs: E, G Log interval:
Initial water level: 46 Date: 7/27/04 M.P. description:

Water Quality Data? Source: Reliability:
Water Level Data? Source: Reliability:
Pump Test Data? Source: Reliability:
Water Use Data? Source: Reliability:

County: Humphreys ⁰⁵³
 Permit #: GW15948
 Driller: Herndon Well
 Date drilling completed: 4-21-04

Well Driller Report and Well Log

Mississippi Department of Environmental Quality
 Office of Land and Water Resources
 P.O. Box 10631
 Jackson, MS 39289-0631
 (601)961-5210
 (601)354-6938 (fax)

For Office Use Only:
 Aquifer: _____
 Well #: K-170169
 L. S. Elevation: _____
 E-log #: _____

State Law requires that this report be prepared by the driller in detail and filed with the Department within 30 days of completion of drilling of the well.

| Well Owner Information | Well Location |
|---------------------------------------|--|
| Owner Name: <u>Town of Louise</u> | Latitude: <u>32° 58' 58"</u> Longitude: <u>90° 35' 32"</u> |
| Mailing Address: <u>P. O. Box 224</u> | Method of Lat/Long (circle one): <u>Hand-held GPS</u> , Conventional Survey, USGS quad, Survey-grade GPS |
| <u>Louise</u> <u>MS</u> <u>39097</u> | <u>SE 1/4 SE 1/4</u> Sec <u>10</u> Twn <u>13N</u> Rng <u>4W</u> |
| City State Zip Code | Distance Direction Nearest Town |
| Telephone No. <u>(662) 836-5121</u> | <u>0</u> Miles of <u>Louise</u> |

Well Data

Purpose of Well (circle one) Home Industrial Public Supply Irrigation Fish Culture Other: _____

Date well drilling started: 3-29-04 Date well drilling completed: 4-21-04

If flowing, method of flow regulation: Valve _____ Other (describe) _____

Static Water Level: 46 feet above or below (circle one) land surface Date measured: 7-27-04

Method of Measurement (circle one) steel tape electric tape air line other: _____

Hole depth: 926 ft Well depth: 895 ft Well grouted to a depth of 850 feet

Type of grout (circle one): Cement Bentonite Mix

Casing length: 850 feet Casing diameter: 12 inches Type of casing: steel

Screen length: 40 feet Screen diameter: 8 inches Type of screen: stainless wire wrap

Screen slot size: .018 inches Setting depth: From 855 feet to 895 feet

Type of completion (circle all applicable) Gravel packed Underreamed Telescoped Open hole Natural Development

Other (describe): _____

Top of lap pipe or reduction in casing: 795 feet. If telescoped or more than one screen, describe on back of page

Logs run (circle all applicable): No log run Electric Gamma Ray Density Sonic Neutron Other: yes

Name of organization running log(s): _____

I certify that the well was drilled, constructed, and completed in accordance with all applicable requirements of the Mississippi Department of Environmental Quality and/or the Mississippi Department of Health regulations and state laws.

Herndon Well & Supply 021
 Print Name of Water Well Contractor and License No.

[Signature]
 Signature of Water Well Contractor

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 BY: OLWR

If well telescopes please sketch below and show depths.

K-110 101.


Ground Level

| Description of Formations Encountered | From | To |
|---------------------------------------|------|-----|
| BROWN CLAY | 0 | 18 |
| SAND STREAKS & CLAY | 18 | 60 |
| COARSE SAND & GRAVEL | 60 | 148 |
| CLAY | 148 | 230 |
| SANDY SHALE | 230 | 312 |
| FINE SAND W/SHALE & LIGNITE | 312 | 400 |
| SHALE STREAKS & SAND | 400 | 540 |
| GUMBO CLAY | 540 | 550 |
| SHALE + SAND | 550 | 600 |
| CLAY | 600 | 667 |
| GUMBO CLAY | 667 | 830 |
| SANDY SHALE | 830 | 859 |
| SAND | 859 | 907 |
| CLAY | 907 | 909 |
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If more than one screen, show location of each on sketch

Sketch the property layout and include the following: 1) the well location; 2) any permanent structures on the property that may aid in locating the well; 3) any roads, power lines, or other items that may aid in locating the property and the well; 4) indicate direction.

Landowner Name: _____


Signature of Water Well Contractor

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STATE WELL REPORT

Part 2

Pump Installer's Completion Report

Mississippi Department of Environmental Quality
Office of Land and Water Resources
P.O. Box 10631
Jackson, MS 39289-0631
(601)961-5210
(601)354-6938 (fax)

For Office Use Only:

Aquifer:
Well #: K-170169
Elevation:

County: Humphreys
Permit #:
Driller: Herndon Well
Date completed: 7-27-04

This report must be prepared by the pump installer in detail and filed with the Department within 30 days of the installation of pump. A copy of Part 1 of this report must be attached to this report.

Well Owner Information: Town of Louise, P.O. Box 224, Louise MS 39097. Well Location: Latitude 32.5858, Longitude 90.3532. Method of Lat/Long: Conventional Survey, Hand-held GPS. Distance 0 Miles of Louise.

Pump Type: Turbine. Power Type: Electric Motor. Horse Power Rating of Motor: 40. Setting Depth: 120 feet. Number of Stages: 5. Rated Pump Capacity: 325 Gallons Per Minute.

Pump Test Data: Date Well Tested: 7-27-04. Static Water Level (A): 46 Feet Below Land Surface. Pumping Water Level (B): 77 Feet Below Land Surface. Drawdown [(B) - (A)]: 31 Feet Below Land Surface. Test Pumping Rate: 390 Gallons Per Minute. Duration of Pump Test: 8 hours. Method of Measuring Water Level: Electric Measuring Line. Well yielded 390 GPM with a drawdown of 21 feet after 8 hours of pumping.

I HEREBY CERTIFY that the above statements are true to the best of my knowledge.

Marty Herndon
Print Name of Pump Installer and License No. (if applicable)

Signature of Pump Installer

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SEP 03 2004

BY: OLWR

DEPARTMENT OF ENVIRONMENTAL QUALITY - OLWR-

PUBLIC SUPPLY WELLS PROJECT

GPS LOG

USER NAME (S): RLB

DATE MAY 1-2004

UNIT DEQ #: _____

FILE #: _____

HEALTH DEPT. ^{270004-03 (No tag)}

ELEVATION:

GW 15948

USGS #: K169

OWNER: LOUISE, TOWN OF

QUAD: LOUISE

LOCATION: S 10 T 13N R 4 W COUNTY HUMPHREYS

LOCATION DESCRIPTION: LOCATED 50 FT. WEST OF OLD WELL AT
ELEVATED TANK

MAY 1 2004 NEW WELL NOT YET CONSTRUCTED.

CASING DIA: 12

PUMP TYPE & SIZE :NOT YET INSTALLED

GPS FIELD LOCATION: LAT 32.98310

LONG. -90.59262

GPS CORRECTED LOCATION: LAT

LONG.

REMARKS: HOLD 50 FT. -L6.45=41.55 SWL

HOLD 47 FT-340 = 41.50 SWL

MP 2 FT. ABOVE LAND SURFACE

Department of Environmental Quality
Office of Land and Water Resources

Ground Water Permit
General Report

Permit Number: MS-GW-15948

County: HUMPHREYS

Owner: LOUISE, TOWN OF

Aquifer: SPRT

USGS No: N/A

BOH No: N/A

Location: SW 1/4 of the SE 1/4 of SEC 10 TWN 13N RNG 04W Lat: 325858 Long: 903534

Quad: LOUISE

District: N/A

Date Issued: 28-APR-03

Date Renewed:

Date Expired: 28-APR-13

Applicant: LOUISE, TOWN OF

Owner: LOUISE, TOWN OF

Address 1: P. O. BOX 224

Address 1: P. O. BOX 224

Address 2: N/A

Address 2: N/A

Address 3: N/A

Address 3: N/A

City: LOUISE

32.58' 59.2"

City: LOUISE

State: MS Zip: 39097

90.35 33.5"

State: MS Zip: 39097

Driller:

32.98310

Maximum Rate: 325

90.59262

Amount Withdrawn Acre feet: 134.4383

Amount Withdrawn Mgd: .12

47.00
3.40

43.50
-2

41.50

Use

MUNICIPAL

Casing

Type:

Diameter: 12 inch

Length:

Hold 50 FT - 6.45

STWL 41.55

Screen

Type: STAINLESS STEEL

Diameter: 10

Length: 90

Hold 47 - 3.40

41.50 SWL

Located 50 FT. West of
old well by elevation
Town

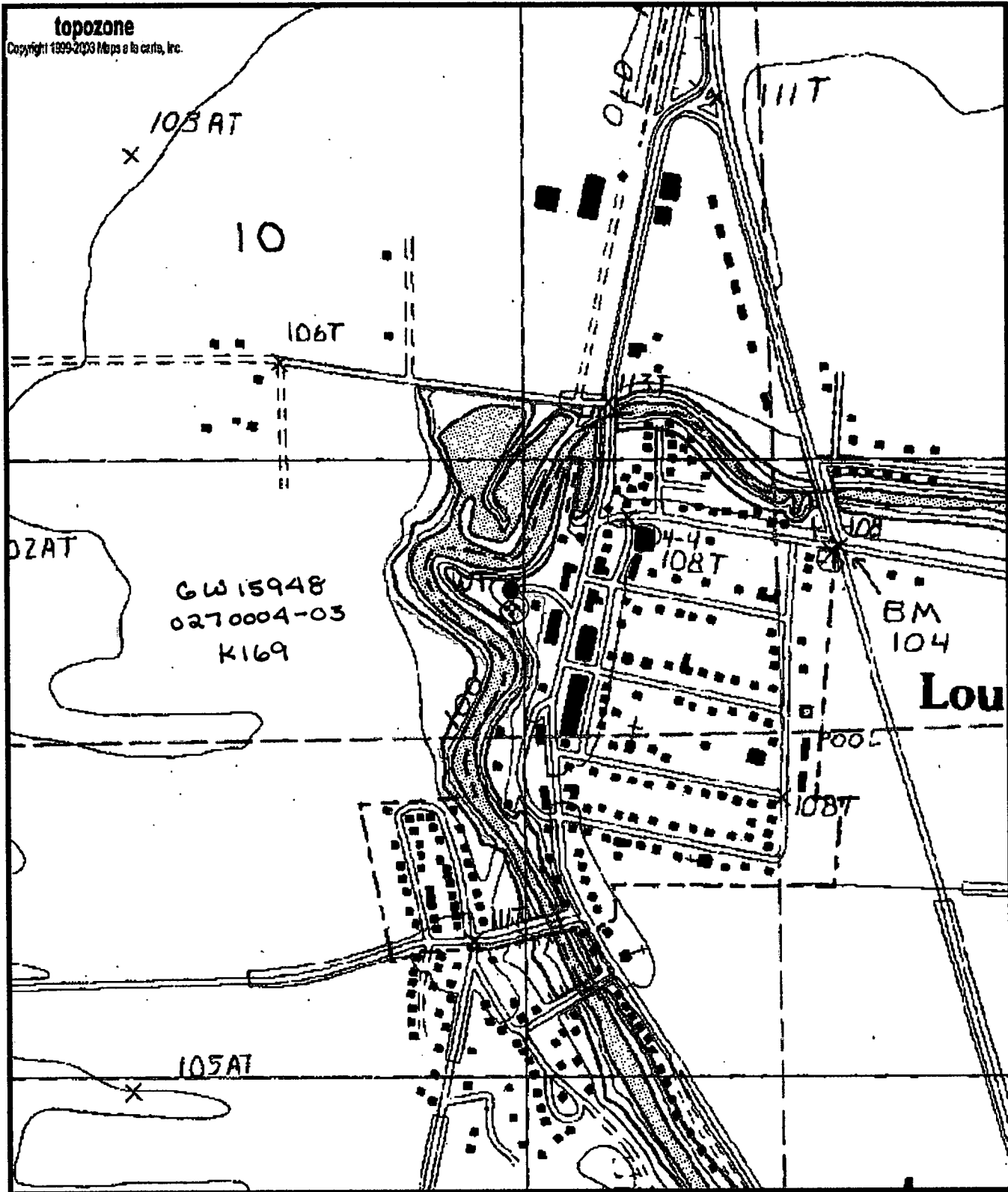
2 FT above Land Surber

May 5 - 2004

50.00
6.45

43.55
-2

41.55



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° 58' 59"N, 90° 35' 33"W (WGS84/NAD83)
Louise quadrangle
 Projection is UTM Zone 15 NAD83 Datum

M=0.676
 G=1.311