

0 0.3 0.6 0.9 1.2 1.5 km
 0 0.2 0.4 0.6 0.8 1 mi

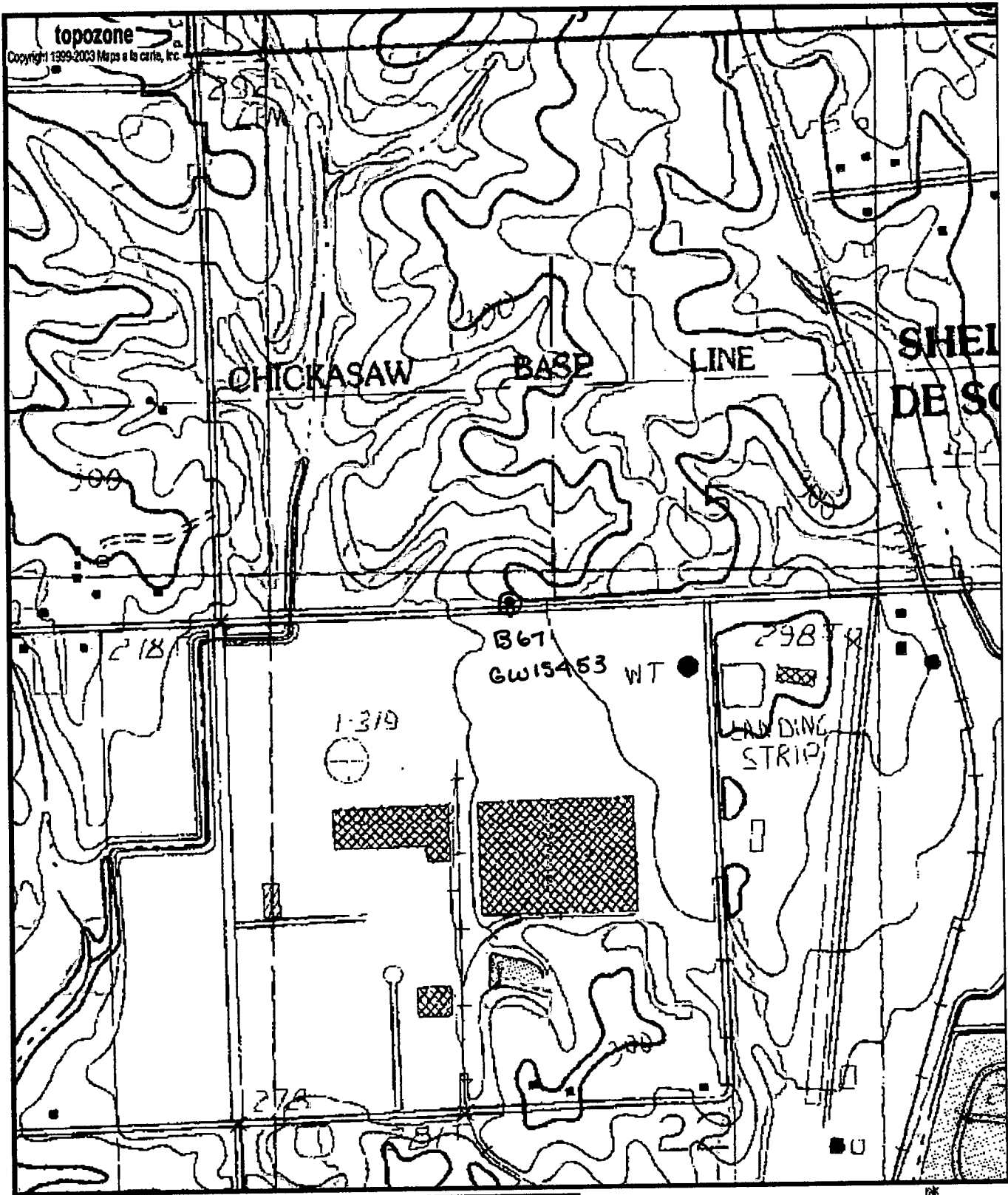


Map center is 34° 59' 31"N, 90° 02' 16"W (WGS84/NAD83)
Horn Lake quadrangle - TopoZone Pro elevation display
 Projection is UTM Zone 15 NAD83 Datum

M=0.135
 G=1.7

1981
1982

Department of Health and Human Services
1981-1982



Map center is 34° 59' 31"N, 90° 02' 16"W (WGS84/NAD83)
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 G=1.7



Geophysical Services

log# 72

Test well / Prod

B67

COMPANY : congenrix
WELL : WELL #1
LOCATION/FIELD : STATE LINE RD WEST
COUNTY : DESOTO
STATE : MS
SECTION : ~~24~~ 15

OTHER SERVICES:
None

TOWNSHIP : 18 RANGE : 8W

DATE : 10/23/99
DEPTH DRILLER : 1710
LOG BOTTOM : 1723.30
LOG TOP : 0.50

PERMANENT DATUM :

KB :
DF :
GL : 300'

CASING DIAMETER : 24
CASING TYPE :
CASING THICKNESS :

LOGGING UNIT : 9994
FIELD OFFICE : MEMPHIS
RECORDED BY : M. BURGNER

BIT SIZE : 9.875
MAGNETIC DECL. : 0
MATRIX DENSITY : 2.71
NEUTRON MATRIX : Dolomite

BOREHOLE FLUID : MUD
RM :
RM TEMPERATURE :
MATRIX DELTA T : 54

FILE : ORIGINAL
TYPE : 9041C

THRESH: 3000

FORMATION LOG OF THE WELL OR TEST HOLE

STARTED TEST HOLE 10-11-99 FINISHED 10-23-99 TEST HOLE NUMBER 1
 LOCATION Cogentrix - Southaven SEC. 16 TS. 15 RANGE 8W ELEVATION _____

TOTAL DEPTH	THICKNESS EACH STRATUM	FORMATION	TOTAL DEPTH	THICKNESS EACH STRATUM	FORMATION
		<u>SAMPLE</u>			<u>SAMPLE</u>
1		226 - 260	38		1395 - 1427
2		260 - 290	39		1427 - 1458
3		290 - 317	40		1458 - 1495
4		317 - 347	41		1495 - 1520
5		347 - 374	42		1520 - 1552
6		374 - 395	43		1552 - 1584
7		401 - 435			
8		435 - 466			
9		466 - 493			
10		492 - 520			
11		520 - 546			
12		546 - 572			
13		572 - 599			
14		599 - 625			
15		625 - 656			
16		656 - 687			
17		687 - 714			
18		714 - 741			
19		741 - 767			
20		767 - 796			
21		796 - 825			
22		825 - 855			
23		855 - 866			
24		866 - 907			
25		907 - 934			
26		934 - 963			
27		963 - 990			
28		990 - 1016			
29		1016 - 1042			
30		1042 - 1069			
31		1069 - 1096			
32		1096 - 1122			
33		1122 - 1149			
34		1149 - 1178			
35		1178 - 1203			
36		1349 - 1373			
37		1373 - 1395			

MUD PIT SIZE _____ FT. X _____ FT. X _____ FT. DEEP
 TYPE BIT USED TO CUT SAND _____
 SIZE OF TEST HOLE THROUGH SAND _____
 TYPE OF BIT USED TO CUT UPPER FORMATIONS _____
 _____ SIZE
 TYPE MUD PUMP USED _____
 DRILLING PRESSURE IN SAND _____
 TYPE OF MUD USED _____
 NOTES: _____

TEST DATA	
PRELIMINARY TEST	FINAL TEST
STATIC WATER LEVEL _____	
PUMPED G. P. M. _____	
PRESSURE, POUNDS _____	
DRAWDOWN _____	
G. P. F. D. _____	
GUARANTEED G. P. M. _____	
GUARANTEED PRESSURE _____	
DATE OF TEST _____	

REMARKS

REC'D MAY 11 2007

DRILLER Barry Crook
 FIELD SUPT Ray Smith

MISCELLANEOUS NETWORK DATA 706=QW,WL,WD

R=114	T=A	73041	115=					116=					120=A	117=					118=
Beg. Year			End Year						Agency Source						Freq.				
R=121	T=A	73042	115=					116=					117=						118=
Beg. Year			End Year						Agency Source						Freq.				

MISCELLANEOUS REMARKS DATA

R=183	T=A	31141	184=	12-09-1999	185=	MSGW 15453			
Date of Remarks			Remarks						

DISCHARGE DATA

R=146	T=A	14741	148=	1209-1999	703=	P	F	150=	1242.	
Meth. Dis.		Static Water Level			Source WL		Sp. Capacity		Discharge	
152=		154=			155=		272=	20.5	Tested	

GEOHYDROLOGIC DATA

R=90	T=A	72141	91=				92=			93=	124	WLCXL	304=P
Depth Top			Depth Bottom						Unit ID				

HYDRAULIC DATA

R=98	T=A	79041	Unit Tested	100=								103=
------	-----	-------	-------------	------	--	--	--	--	--	--	--	------

HISTORICAL WATER LEVEL DATA

R=234	T=A	235=	12-09-1999	237=	132.	243=L	239=D
Date			Water Level			Source	

Tested 1242 gpm 60.5 dd (97 hrs)
State Line Road

using lat/long on well schedule
for Topozone map

6W15453

Coded by _____
Checked by JPS 11-01-01
Entered by JPS 9/2001
Date _____

U.S. GEOLOGICAL SURVEY
WATER RESOURCES DIVISION
MISSISSIPPI DISTRICT

E-Log No. 72 Well No. B67
County Desoto
Agency _____ 2913

WELL RECORD

Horn Lake Quad

Agency Code	U S G S	Site ID	1= 345931090021601	Project No.	
Station Name	12= 6047	Latitude	9= 345931		

Longitude	DESOTO	Lat/Long Ac.	COGENTRIX	Dist Code	6= 28	State Code	7= 28	County Code	8= 033
10= 0900216	11= D	35= 1	36= NAD27	6= 28	7= 28	8= 033			

Land Net Location S-GPS, F=+5 sec, T=+10 sec, M=+1 min, b=>1 min

13= SWSESW S15 T01 S R08 W0

Meridian Chickasaw, O=Choctaw, H=Huntsville, S=St. Stephens, W=Washington

Location Map

14= HORN LAKE

Altitude Datum

16= 300.0

Altitude 290

Accuracy

18= 5

Method Meas.

17= M

A=Altimeter, L=Surveying, H=TopoMap, b=Unknown

22= NGVD29

Hydrologic Unit

20= 08010217

Topo Set.

19=

Agency Use

803= A I

Date Invented

711= 10-23-1999

Station Type

802=

Data Type

804= A I

Gr. Time

813= -06

Loc. Time

814= Y

Web-R

32=

Reliability

3= C-L M

7= W X

Date of Construction

21= 12-09-1999

Well Use

23= W

Water Use

24= N

Primary Aquifer

714= 124 WLCXL

Hole Depth

27= 1723.0

Well Depth

28= 1486.0

CONSTRUCTION DATA

Construction Date

60= 12-09-1999

Contractor

63= 064

Name

Wayne Memphis

Method

65= H

Finish

66= G

CONSTRUCTION CASING DATA

Top/Casing

R=76 T=A 72541 5941

77= 0.0

Bottom/Casing

78= 1332.0

Diameter

79= 18.0

R=76 T=A 72542 5941

77= 1332.0

Bottom/Casing

78= 1380.0

Diameter

79= 12.0

CONSTRUCTION OPENINGS DATA

Top/Depth

R=82 T=A 72641 5941

83= 1380.0

Bottom/Depth

84= 1480.0

Diameter

87= 12.0

Type

85= S

Length

89=

Width

88= 020.0

R=82 T=A 72642 5941

83=

Bottom/Depth

84=

Diameter

87=

Type

85=

Length

89=

Width

88=

CONSTRUCTION LIFT DATA

R=42 T=A 25441

Lift Type

43=

Date

38=

Intake

44=

Power

H.P.

45=

Serial No.

46=

49=

No pump

Sub test pump 1242 gpm

MISCELLANEOUS OWNERS DATA

Date of Ownership

159= 12-09-1999

Owner Name

Owner: Robert D. Pelts

161= COGENTRIX ENERGY

MISCELLANEOUS OTHER ID DATA

E-Log No.

190= 072

Assigner

191= M I S S D I S T

MISCELLANEOUS LOGS DATA

Log Type

R=198 T=A 73941

199= E

Beg. Depth

200= 5.0

End Depth

201= 1723.0

R=198 T=A 73942

199= D

Beg. Depth

200= 0.0

End Depth

201= 1584.0