

DOH #0090005-02  
GW00691  
GPSd 7/31/97 DH/PP

GW691

FORM 9-1642  
(1-68)

Well No. K 45

WELL SCHEDULE

EL #38

U. S. DEPT. OF THE INTERIOR

GEOLOGICAL SURVEY

WATER RESOURCES DIVISION

no entries  
horizontal  
breather

MASTER CARD

Record by G.J. Dalsin Source of data BOWL Dr. Rept. E-log Date 4/9/97 Map Van Vleet Quad 1-62, 599 Houston East  
State Mississippi County Chickasaw Sequential number 1  
Latitude: 33 53 45 N Longitude: 08 05 94 W  
Local well number: 04580419S03E Other well number: B & M  
Local use: 053030 671 42 Owner or name: City of Houston  
Owner or name: HOUSTON Address: Well #6

Ownership: County, Fed Gov't, (M) City, Corp or Co, Private, State Agency, Water Dist M  
Use of water: (A) Air cond, Bottling, Comm, Dewater, Power, Fire, Dom, Irr, Med, Ind, P S, Rec, (S) Stock, Instit, Unused, Repressure, Recharge, Desal-P S, Desal-other, Other P  
Use of well: (A) Anode, Drain, Seismic, Heat Res, Obs, Oil-gas, Recharge, Test, Unused, (W) Withdraw, Waste, Destroyed, W

DATA AVAILABLE: Well data  Freq. W/L meas.:  Field aquifer char.   
Hyd. lab. data:   
Qual. water data: type: USGS 9/71  
Freq. sampling:  Pumpage inventory:  period:   
Aperture cards:   
Log data: E-log 60-1500'

WELL-DESCRIPTION CARD

SAME AS ON MASTER CARD Depth well: 1048 ft Meas. accuracy 3  
Depth cased: 920 ft Casing type: 12x8 in Diam. 12  
Finish: porous concrete, gravel w. (perf.), (screen), gallery, end, (C) porous concrete, (F) gravel w. (perf.), (H) horiz. open, (P) perf., (S) screen, (T) sd. pt., (W) shored, (X) open hole, (E) other S  
Method Drilled: (A) air rot, (B) bored, (C) cable, (D) dug, (H) hyd jetted, (J) rot., (P) percussion, (R) reverse, (T) trenching, (V) driven, (W) drive wash, (E) other H  
Date Drilled: 971 Pump intake setting: ft  
Driller: J.M. Parke's Dr. Co., P.O. Box 307, Haughton, Miss.  
Lift (type): (A) air, (B) bucket, (C) cent. jet, (J) multiple, (N) none, (P) piston, (R) rot, (S) submerg, (T) turb, other T Deep  Shallow   
Power (type): diesel, elec, gas, gasoline, hand, gas, wind, H.P. 100  Trans. or meter no. 41

Descrip. MP OK (10/89) ft above below LSD, Alt. MP 4  
Alt. LSD: 330 Accuracy: (source) 4  
Water Level: 150 ft above below MP; Ft below LSD Accuracy: D  
Date meas: 671 Yield: 600 gpm Method determined 61  
Drawdown: ft Accuracy: hrs  
QUALITY OF WATER DATA: Iron ppm Sulfate ppm Chloride ppm Hard. ppm  
Sp. Conduct 560 K x 10<sup>6</sup> Temp. 76 °F Date sampled 7/21/97  
Taste, color, etc. pH: 8.3 T=24.5 Land 505

7-21-76 entered 8/76

ROBERTA J. ...

Well No.

K 45

Well No. H-45

Latitude-longitude \_\_\_\_\_  
N  
S

HYDROGEOLOGIC CARD

19 **Province:** 03 Section: \_\_\_\_\_

22 **Drainage Basin:** D 23 **Subbasin:** 13E 24 \_\_\_\_\_

25 **Topo of well site:** (D) depression, stream channel, dunes, flat, hilltop, sink, swamp, (E) offshore, pediment, hillside, terrace, undulating, valley flat (F) \_\_\_\_\_ (G) \_\_\_\_\_ (H) \_\_\_\_\_ (I) \_\_\_\_\_ (J) \_\_\_\_\_ (K) \_\_\_\_\_ (L) \_\_\_\_\_ (M) \_\_\_\_\_ (N) \_\_\_\_\_ (O) \_\_\_\_\_ (P) \_\_\_\_\_ (Q) \_\_\_\_\_ (R) \_\_\_\_\_ (S) \_\_\_\_\_ (T) \_\_\_\_\_ (U) \_\_\_\_\_ (V) \_\_\_\_\_ (W) \_\_\_\_\_ (X) \_\_\_\_\_ (Y) \_\_\_\_\_ (Z) \_\_\_\_\_

27 **MAJOR AQUIFER:** system \_\_\_\_\_ series K3 28 29 aquifer, formation, group E2 30 31

32 **Lithology:** \_\_\_\_\_ 33 **Origin:** 6 34 **Aquifer Thickness:** \_\_\_\_\_ ft

35 **Length of well open to:** \_\_\_\_\_ ft 36 **Depth to top of:** 128 37 ft 38

39 **MINOR AQUIFER:** system \_\_\_\_\_ series \_\_\_\_\_ 40 41 aquifer, formation, group \_\_\_\_\_ 42 43

44 **Lithology:** \_\_\_\_\_ 45 **Origin:** \_\_\_\_\_ 46 **Aquifer Thickness:** \_\_\_\_\_ ft

47 **Length of well open to:** \_\_\_\_\_ ft 48 **Depth to top of:** \_\_\_\_\_ ft 49

50 **Intervals Screened:** P.S.S.

51 **Depth to consolidated rock:** \_\_\_\_\_ ft 52 **Source of data:** \_\_\_\_\_ 53

54 **Depth to basement:** \_\_\_\_\_ ft 55 **Source of data:** \_\_\_\_\_ 56

57 **Surficial material:** \_\_\_\_\_ 58 **Infiltration characteristics:** \_\_\_\_\_ 59

60 **Coefficient Trans:** 9300 61 **Coefficient Storage:** \_\_\_\_\_ 62

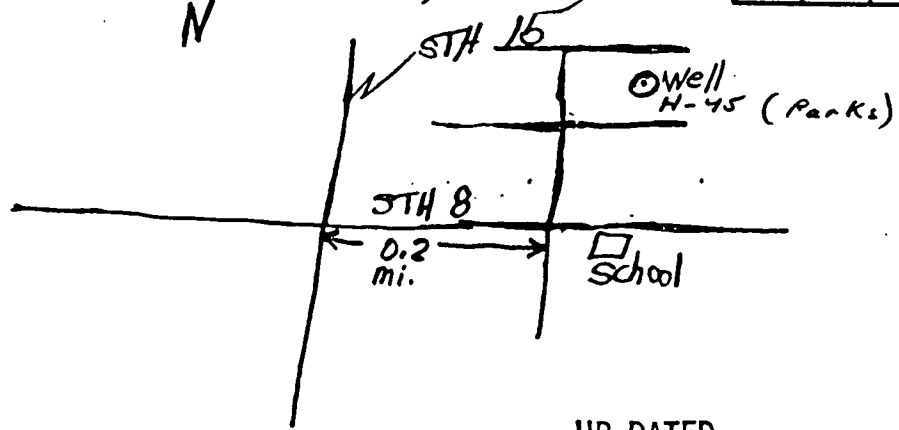
63 **Coefficient Perm:** 120 64 **Spec cap:** 4.2 65 **Number of geologic cards:** \_\_\_\_\_ 66

Probably McShan

- Arrola @ 676'
- Euterw 784'
- McShan 2
- Gardo 1052'
- Coker 1412'



Town of Houston, Miss.



Well No. H-45

UP-DATED \_\_\_\_\_

ELCG # 38

Chickasaw  
K45  
8-1-71

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

CODED

Aug 1 - 1970 19 T. M. PARKS Chickasaw  
date well completed firm name county well located

| LANDOWNER:                       | description of formations encountered | from | to   |
|----------------------------------|---------------------------------------|------|------|
| City of Houston                  |                                       |      |      |
| Houston, Miss. (mailing address) | Blue clay w/ s-sand shale             | 0    | 103  |
|                                  | sand w/ hard streaks                  | 103  | 244  |
|                                  | clay w/ chalk                         | 244  | 344  |
|                                  | white chalk                           | 344  | 670  |
|                                  | clay gumbo                            | 670  | 804  |
|                                  | sandy shale (fine)                    | 804  | 835  |
|                                  | clay w/ shale sand                    | 835  | 900  |
|                                  | sand w/ hard pan                      | 900  | 960  |
|                                  | good sand                             | 960  | 1052 |

WELL LOCATION:  
sec. 4 T. 14 N. R. 3 E. W. 3  
miles of town N

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

- WELL COMPLETION DATA:
- (1) diameter (inches) 12"
  - (2) total depth (feet) 1052
  - (3) static water level (feet) 152 below top of ground
  - (4) casing Steel 900' (material) (depth)
  - (5) screen 128' 920' (length) (depth to top)  
8" stainless (size) (material)
  - (6) pump 100 600 (HP) (yield gpm)  
3 phase (type power)
  - (7) electric log YES (yes or no)  
U.S. Survey (organization running log)
  - (8) how well bottom plugged BPV

TD

1052

CODED

BD. OF WATER COMM

DRILLERS REMARKS:

DEPARTMENT OF ENVIRONMENTAL QUALITY - OLWR  
PUBLIC SUPPLY WELLS PROJECT

GPS LOG

USER NAME(S): Hardin/Phillips DATE: 7/31/97

UNIT DEQ #: \_\_\_\_\_ FILE #: B073114A

HEALTH DEPT. #: 090005-02 ELEV. 340'

USGS #: K45 OLWR #: GW00691

OWNER: City of Houston QUAD: Houston East

LOCATION: NW/NW S 4 T 14S R 3E COUNTY: Chickasaw

LOCATION DESCRIPTION: At elevated tank on Washington St

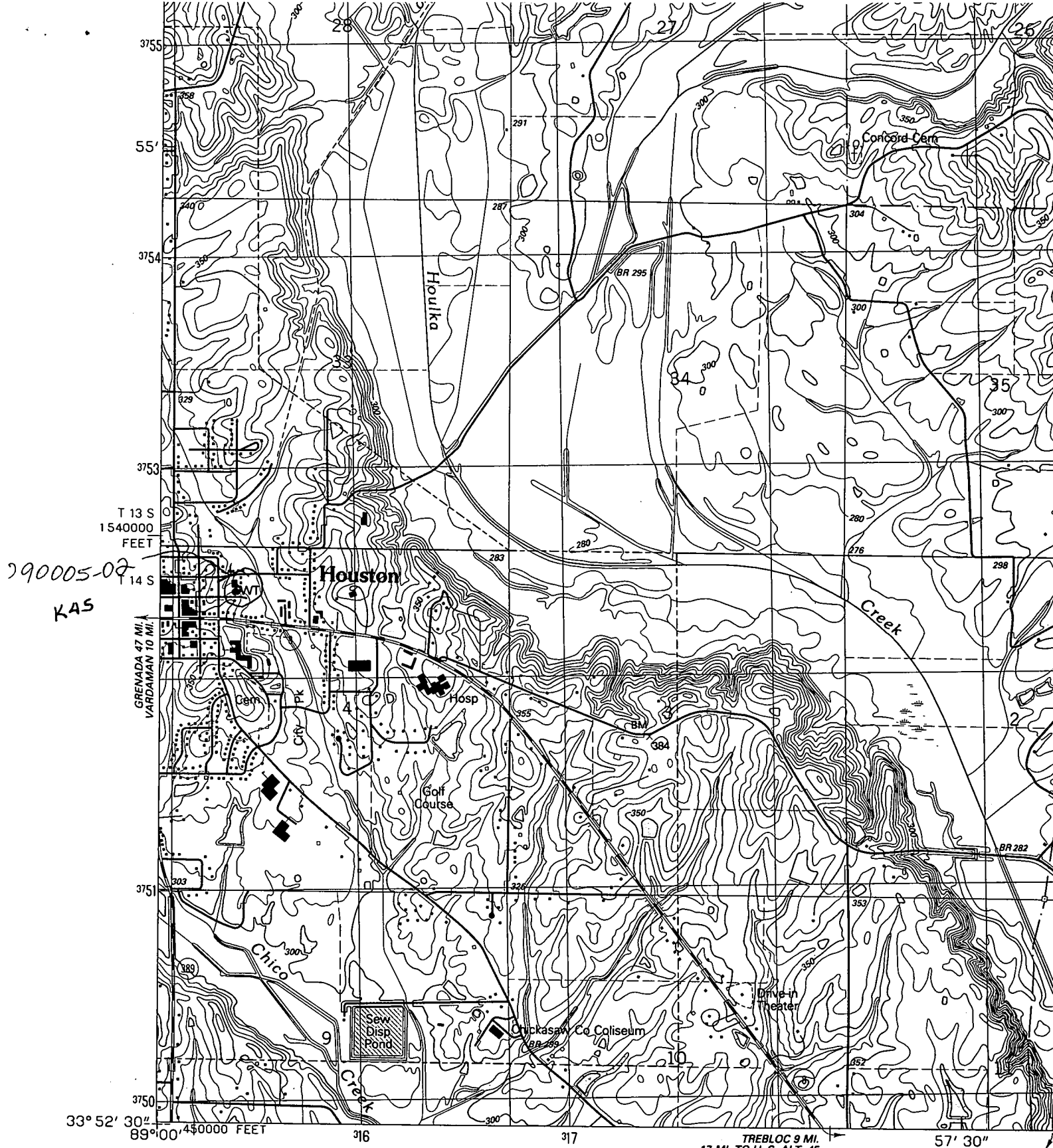
CASING DIA: \_\_\_\_\_ PUMP TYPE & SIZE: Turbine, 100 HP

GPS FIELD LOCATION: LAT. 33° 53' 53.3" N LONG. 88° 59' 45.2" W

GPS CORRECTED LOCATION: LAT. 33.897855 LONG. 88.99583794

REMARKS: well measured 15' south of well

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_



290005-02  
KAS

T 13 S  
1540000  
FEET

GRENADA 47 MI.  
VARDAMAN 10 MI.

33° 52' 30"  
89° 00' 450000 FEET

TREBLOC 9 MI.  
17 MI. TO U. S. ALT. 45  
57' 30"

**Produced by the United States Geological Survey**

Control by USGS and NOS/NOAA

Topography by photogrammetric methods from aerial photographs taken 1955. Revised from aerial photographs taken 1984  
Field checked 1986. Map edited 1987

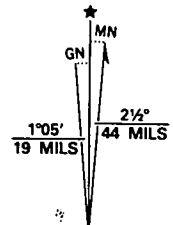
Projection and 10,000-foot grid ticks: Mississippi coordinate system, east zone (transverse Mercator)

1000-meter Universal Transverse Mercator grid, zone 16

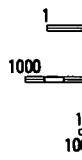
1927 North American Datum

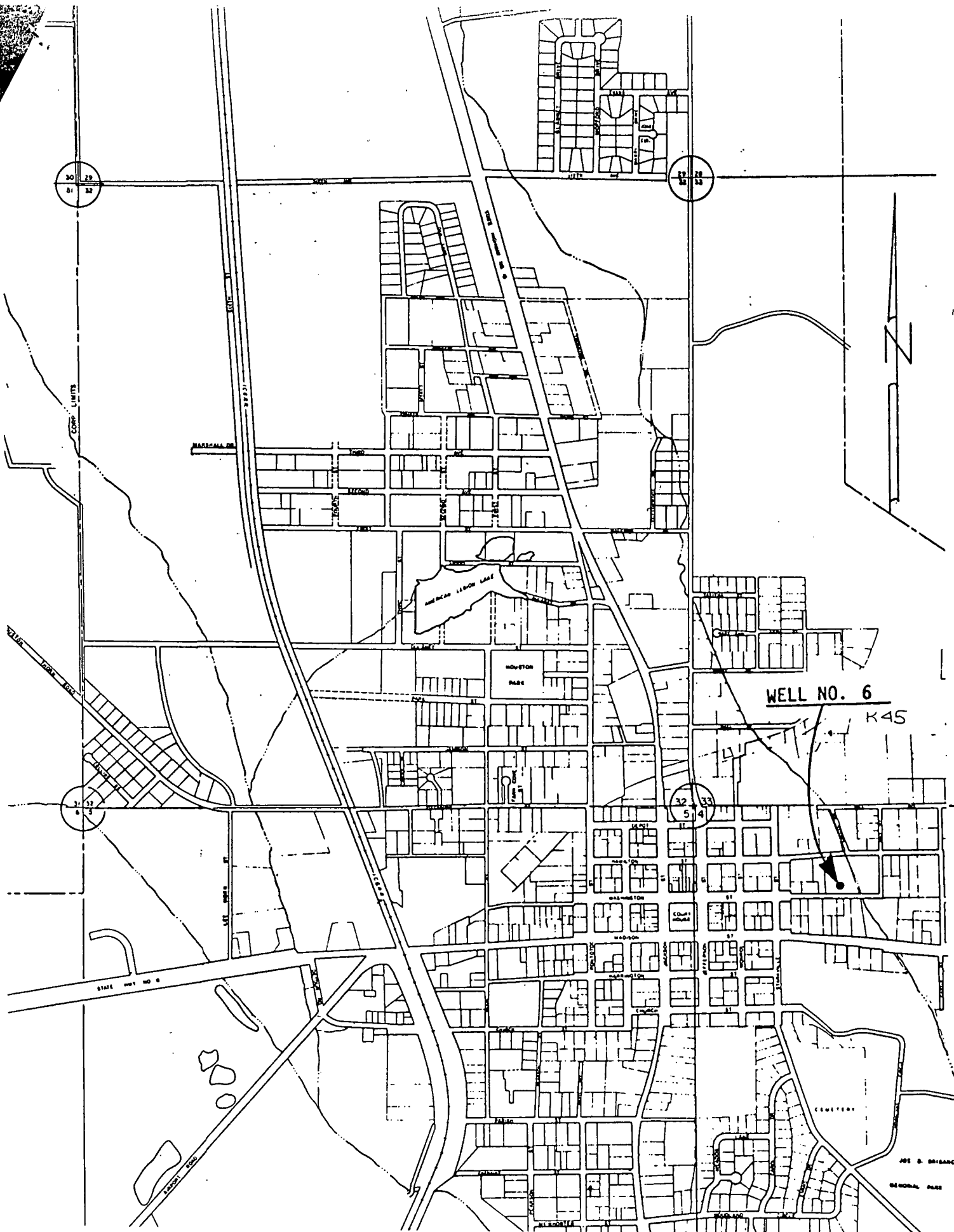
To place on the predicted North American Datum 1983, move the projection lines 10 meters south and 5 meters east as shown by dashed corner ticks

(WOODLAND)  
3151 SE



UTM GRID AND 1987 MAGNETIC NORTH DECLINATION AT CENTER OF SHEET





WELL NO. 6  
K45

JOE B. BRIGANCE  
GENERAL PLER

30 29  
01 32

30 29  
01 32

31 32  
01 32

32 33  
51 4

AMERICAN LEAGUE LAKE

MADISON  
BLVD

STATE HWY NO 8

CEMETERY