

WRD Exp. (GW)  
April 1966

Well No. E82

WELL SCHEDULE

U. S. DEPT. OF THE INTERIOR GEOLOGICAL SURVEY WATER RESOURCES DIVISION  
PUNCHED and VERIFIED  
ROLLA COMPUTATION BRANCH

REPLACEMENT

MASTER CARD

Record by RET Source of data MSBOWC Date 3-21-68 Map \_\_\_\_\_

State 28 County (or town) Lamar 37

Latitude: 312002N Longitude: 0892254 Sequential number: 2

Lat-long accuracy: 2 T 4 S, R 14 Sec 2NE SE SW SW

Local well number: E082CC0204N14W Other number: \_\_\_\_\_ B & M

Local use: 97 Owner or name: Arnold Line Water Assoc

Owner or name: ARNOLD LINE W: A Address: \_\_\_\_\_

Ownership: County, Fed Gov't, City, Corp or Co, Private, State Agency, Water Dist N

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 WA

Use of well: (A) Anode, Drain, Seismic, Heat Res, Obs, Oil-gas, Recharge, Test, Unused, Withdraw, Waste, Destroyed. W

DATA AVAILABLE: Well data  Freq. W/L meas.:  Field aquifer char.

Hyd. lab. data: \_\_\_\_\_

Qual. water data; type: MSBOW 1-18-68

Freq. sampling:  Pumpage inventory: no, period: \_\_\_\_\_

Aperture cards: \_\_\_\_\_

Log data: Driller's log to 810 Min. Hole 5 to 63 adjacent hole

WELL-DESCRIPTION CARD

SAME AS ON MASTER CARD Depth well: 810' w/blank ft 786 Meas. 3

Depth cased: (first perf.) ft 736 Casing type: \_\_\_\_\_; Diam. 8 7/8 in 8

Finish: porous concrete, gravel w. (perf.), gravel w. (screen), horiz. gallery, end, open perf., screen, sd. pt., shored, open hole, other S

Method Drilled: (A) air bored, (B) cable, (C) dug, (D) hyd jected, (H) air reverse trenching, (J) driven, (P) drive wash, (R) other U

Date Drilled: 2-68 968 Pump intake setting: \_\_\_\_\_ ft 180

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

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

Descrip. MP \_\_\_\_\_ ft above \_\_\_\_\_ ft below LSD, Alt. MP \_\_\_\_\_

Alt. LSD: 240 Accuracy: (source) 4

Water Level \_\_\_\_\_ ft above \_\_\_\_\_ ft below MP; \_\_\_\_\_ ft below LSD Accuracy: 96

Date meas: 2-27-68 268 Yield: \_\_\_\_\_ gpm 150 Method determined \_\_\_\_\_

Drawdown: \_\_\_\_\_ ft Accuracy: \_\_\_\_\_ Pumping period \_\_\_\_\_ hrs \_\_\_\_\_

QUALITY OF WATER DATA: Iron 2 Sulfate 2 Chloride 4 Hard. \_\_\_\_\_

Sp. Conduct \_\_\_\_\_ K x 10<sup>6</sup> Temp. \_\_\_\_\_ °F Date sampled 168

Taste, color, etc. \_\_\_\_\_

Well No. E82

Latitude-longitude \_\_\_\_\_ N  
 \_\_\_\_\_ S  
 d m s d m s

**HYDROGEOLOGIC CARD**

**SAME AS ON MASTER CARD** Physiographic Province: **03** Section: \_\_\_\_\_

**D** Drainage Basin: **13Q** Subbasin: \_\_\_\_\_

(D) (C) (E) (F) (H) (K) (L)  
Topo of well site: (D) (C) (E) (F) (H) (K) (L) (U) (V)  
 offshore, pediment, hillside, terrace, undulating, valley flat \_\_\_\_\_

**MAJOR AQUIFER:** \_\_\_\_\_, Miocene **T.M** MOCN (permit) \_\_\_\_\_

Lithology: \_\_\_\_\_ **45** Origin: \_\_\_\_\_ **3** Aquifer Thickness: **≥ 114** ft

**4** Length of well open to: \_\_\_\_\_ ft **50** Depth to top of: \_\_\_\_\_ ft **696**

**MINOR AQUIFER:** \_\_\_\_\_ Lithology: \_\_\_\_\_ Origin: \_\_\_\_\_ Aquifer Thickness: \_\_\_\_\_ ft

Length of well open to: \_\_\_\_\_ ft Depth to top of: \_\_\_\_\_ ft

Intervals Screened: **798 - 798'** **50' x 6" SS #12**

Depth to consolidated rock: \_\_\_\_\_ ft Source of data: \_\_\_\_\_

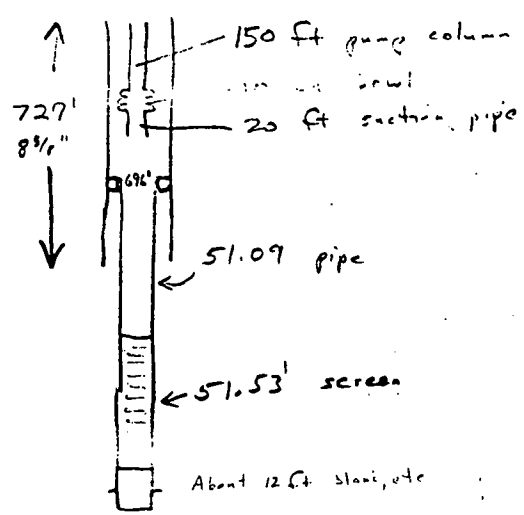
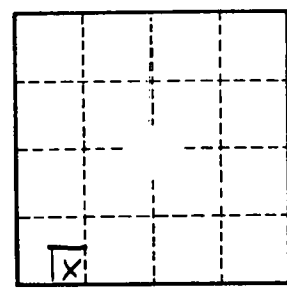
Depth to basement: \_\_\_\_\_ ft Source of data: \_\_\_\_\_

Surficial material: \_\_\_\_\_ Infiltration characteristics: \_\_\_\_\_

Coefficient Trans: \_\_\_\_\_ gpd/ft Coefficient Storage: \_\_\_\_\_

Perm: \_\_\_\_\_ gpd/ft<sup>2</sup>; Spec cap: \_\_\_\_\_ gpm/ft; Number of geologic cards: \_\_\_\_\_

Top soil 0-10  
 Blue shale 10-218  
 Sand 218-274  
 shale 274-310  
 310-516  
 shale 516-696  
 Sand 696-810



Well No. **E82**

~~Check 2nd Edition~~

LAMAR  
10-11-67  
E82  
MGS

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

~~SECRET~~

WATER WELL DRILLERS LOG

10-11-1967 Barnes Drilling Co LAMAR  
date well completed firm name county well located

LANDOWNER:	description of formations encountered	from	to
(mailing address)			
ARNOLD LINE, WATER ASSC	TOP SOIL / RED	0	10
ROUTE 4 H HESBURY	BLUE SHALE		
(mailing address) MISS	HARD SAND	10	218
	SAND	218	294
	SHALE	294	310
	SAND	310	516
	SHALE	516	696
	SAND (COOL)	696	810

WELL LOCATION:	
sec. <u>2</u> T. <u>4</u> N. R. <u>14</u> E.	
<u>7</u> miles <u>W</u> of <u>Hesbury</u>	
(distance) (direction) (nearest town)	

WELL PURPOSE:	
<u>MUNICIPAL</u>	
(home, irrigation, municipal, industrial)	

WELL COMPLETION DATA:	
(1) diameter (inches)	<u>8 X 6</u>
(2) total depth (feet)	<u>810</u>
(3) static water level (feet)	<u>96</u> below above top of ground.
(4) casing (material)	<u>STEEL PIPE 72.7</u> (depth)
	<u>8</u> if telescope see back. (size)
(5) screen (length)	<u>50</u> (depth to top)
	<u>6</u> (size) <u>STAINLESS STEEL</u> (material)
(6) pump (HP)	<u>15</u> (yield gpm)
	<u>ELECTRIC</u> (type power)
(7) electric log (yes or no)	<u>YES</u>
	<u>MISS G. S.</u> (organization running log)
(8) how well bottom plugged	<u>B.W.V</u>

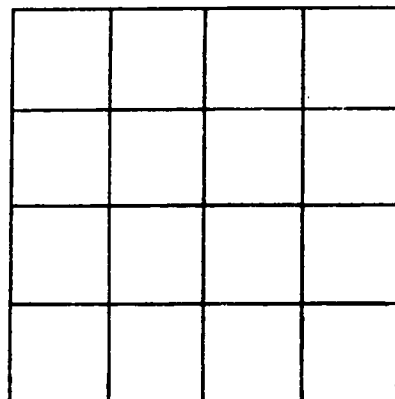
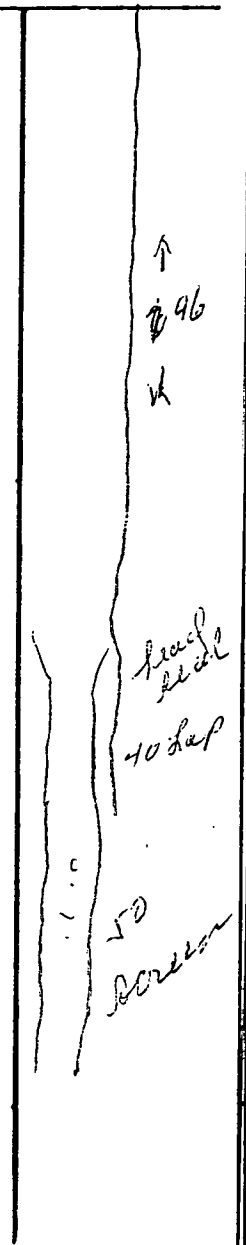
DRILLERS REMARKS:	

*Handwritten signature and date: 9/15/70*

(K)

If well telescopes please sketch and show depths.

GROUND LEVEL



SECTION \_\_\_\_\_

Please indicate well location X.

ADDITIONAL INFORMATION


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

CODED

LAMAR  
E  
2-68  
Miss Geo. Survey

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

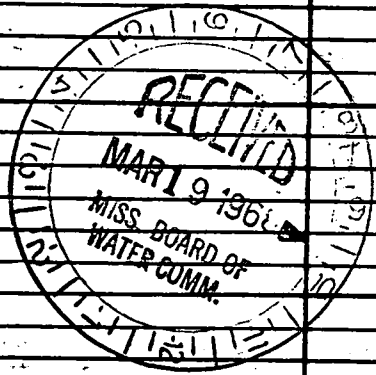
E82

WATER WELL DRILLERS LOG

1968 - FEB. 27<sup>th</sup> date well completed  
BARNCO DRILLING CORP. firm name  
LAMAR county well located

LANDOWNER:	description of formations encountered	from	to
ARNOLD LINC WATER ASSC. Rt 4 - HATTIESBURG, MISS. (mailing address)			
WELL LOCATION: sec. 2 T 4 N S R 14 W miles of (distance) (direction) (nearest town)	Blue SHALE	10	218
	SAND	218	294
	SHALE	294	310
	SAND	310	516
	SHALE	516	696
WELL PURPOSE: MUNICIPAL (home, irrigation, municipal, industrial)	SAND	696	810
WELL COMPLETION DATA:			
(1) diameter (inches)	8 5/8"		
(2) total depth (feet)	810		
(3) static water level (feet)	96 below top of ground.		
(4) casing (material)	Steel		
(4) casing (depth)	727		
(4) casing (size)	8 5/8" If telescope see back.		
(5) screen (length)	50'		
(5) screen (depth to top)	696		
(5) screen (size)	6" Stainless Steel		
(6) pump (HP)	15		
(6) pump (yield gpm)	150		
(6) pump (type power)	Elec.		
(7) electric log (yes or no)	yes		
(7) electric log (organization running log)	Miss Geo. Survey		
(8) how well bottom plugged	BACK WASH VALVE		
DRILLERS REMARKS:			

CODED





If well telescopes please sketch and show depths.

TOP OF CASING 2' ABOVE GROUND LEVEL

2 1/2" GROUT

150' Pump Column

10.3" Pump Bowls

20' Suction Pipe

Bottom Suction Pipe at 180' 3 1/8"

Seal Set 696'

155 Lead Seal with Left Hand End

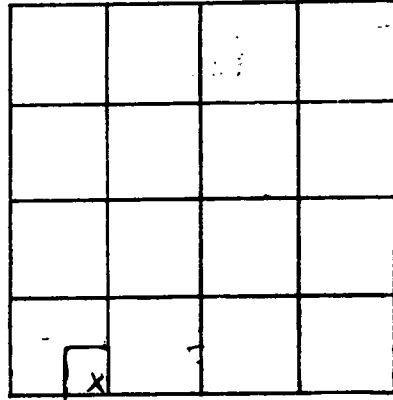
51.09 Lap Pipe

51.53 Screen

10' BLANK

30" BACKWASH V.

1' Sawtooth Nipple



SECTION 2

Please indicate well location X.

ADDITIONAL INFORMATION

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

DEPARTMENT OF ENVIRONMENTAL QUALITY - OLWR  
PUBLIC SUPPLY WELLS PROJECT

GPS LOG

H-Duro SW  
6/13/96

USER NAME(S): SH Bishop + CA Hornbeak DATE: 7-15-94

UNIT DEQ #: 82555 / 82859 FILE #: 80613 20A  
6071515C

HEALTH DEPT. #: 370001-01 ELEV. 215

USGS #: 2-230 E82 OLWR #: GW 888

COWNER: Arnold Line Water Assn.

LOCATION: SE SW S 2 T 4N R 14W COUNTY: Lamar  
(7<sup>th</sup> St.)

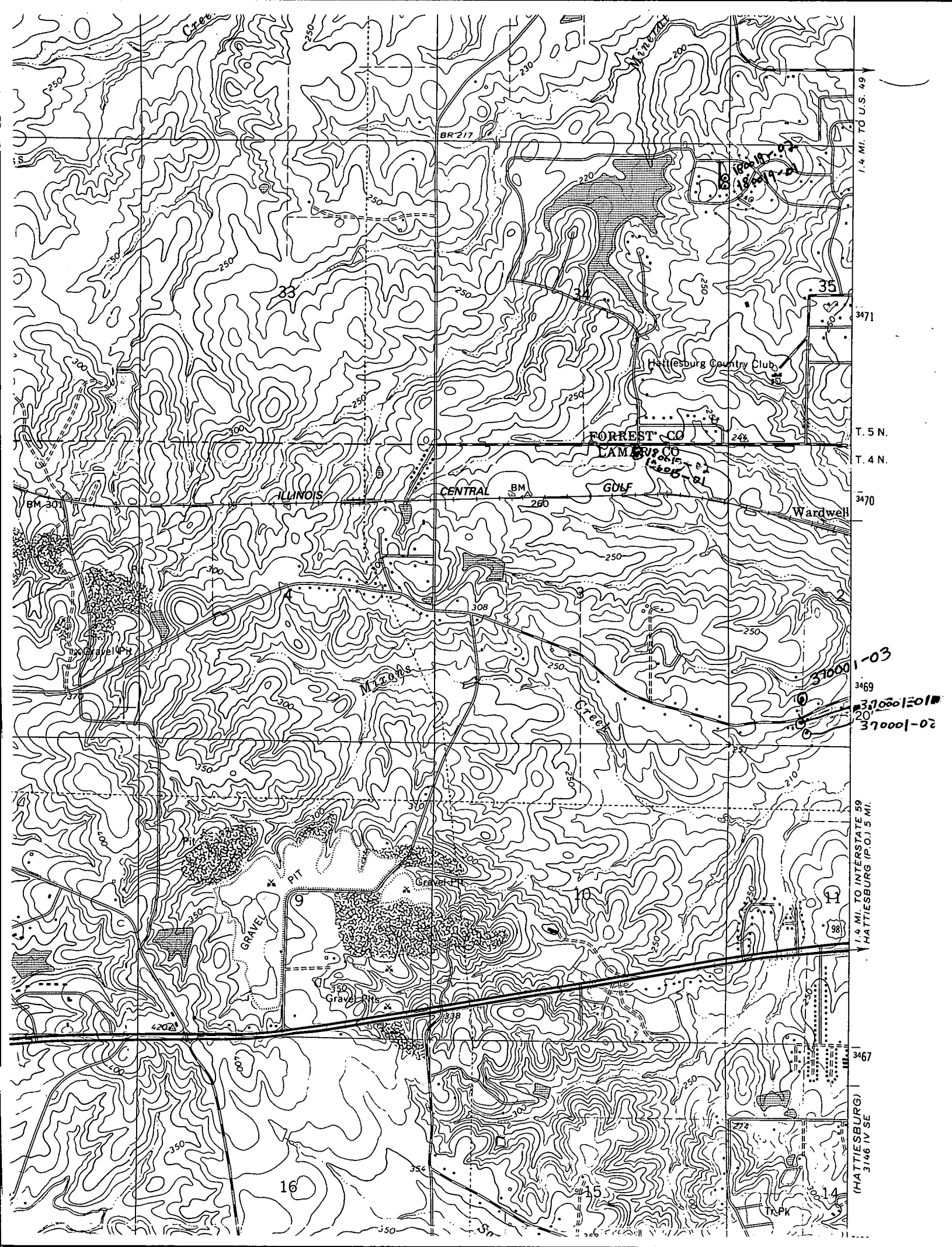
LOCATION DESCRIPTION: 0.6 mi W. of Intersection of Arnold Line + Weatherby RD  
On South Side of Arnold Line Rd at old Elev. Tank.

CASING DIA: 8" PUMP TYPE & SIZE: E/c

GPS FIELD LOCATION: LAT. 31° 19.588 LONG. 89° 22.418  
31° 19.996 89° 22.658

GPS CORRECTED LOCATION: LAT. 31.33313917 LONG. 89.37802340

REMARKS: Gps at well  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_



1.4 MI. TO U.S. 49

3471

T. 5 N.

T. 4 N.

3470

3469

3469

3469

3469

1.4 MI. TO INTERSTATE 59

1.4 MI. TO INTERSTATE 59

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(HATTIESBURG)  
3146 IV SE

310001-03  
310001-02  
370001-02

(HATTIESBURG)  
3146 IV SE