

W5 PINCHED

WELL SCHEDULE

U. S. DEPT. OF THE INTERIOR

GEOLOGICAL SURVEY

WATER RESOURCES DIVISION

MAR 17 1975

E log #80

MASTER CARD #

Record by PE Gantham Source of data Albuquerque City Date 1965 Map \_\_\_\_\_  
 State 58 County (or town) 55  
 Latitude: 303130N Longitude: 0894105 Sequential number: 1  
 Lat-long accuracy: 5 T 6 R 17 Sec 15  
 Local well number: W1005 Other well number: \_\_\_\_\_  
 Local use: 209080 Owner or name: \_\_\_\_\_  
 Owner or name: PICAYUNE Address: \_\_\_\_\_

Ownership: County, Fed Gov't, City, Corp or Co, Private, State Agency, Water Dist M  
 Use of water: (A) Air cond, (B) Bottling, (C) Comm, (D) Dewater, (E) Power, (F) Fire, (H) Dom, (I) Irr, (M) Med, (N) Ind, (P) S, (R) Rec, (S) Stock, (T) Instit, (U) Unused, (V) Repressure, (W) Recharge, (X) Desal-P S, (Y) Desal-other, (Z) Other U  
 Use of well: (A) Anode, (D) Drain, (G) Seismic, (H) Heat Res, (O) Obs, (P) Oil-gas, (R) Recharge, (T) Test, (U) Unused, (W) Withdraw, (X) Waste, (Z) Destroyed Z  
 DATA AVAILABLE: Well data  Freq. W/L meas.:  Field aquifer char.   
 Hyd. lab. data: \_\_\_\_\_  
 Qual. water data; type: \_\_\_\_\_  
 Freq. sampling:  Pumpage inventory:  period: \_\_\_\_\_  
 Core cards: \_\_\_\_\_  
 Log data: Schumberger log sam from 100-1320 (Test well) DE

WELL-DESCRIPTION CARD

SAME AS ON MASTER CARD Depth well: \_\_\_\_\_ ft Meas. rept accuracy \_\_\_\_\_  
 Depth cased: (first perf.) \_\_\_\_\_ ft Casing type: \_\_\_\_\_; Diam. in \_\_\_\_\_  
 Finish: (C) porous concrete, (F) gravel w. (perf.), (G) gravel w. (screen), (H) horiz. gallery, (O) open end, (P) perf., (S) screen, (T) sd. pt., (W) shored, (X) open hole, (Z) other H  
 Method: (A) air bored, (B) cable, (C) dug, (D) hyd jetted, (H) rot., (J) air percuss, (P) reverse, (R) trenching, (T) driven, (U) wash, (V) drive, (W) wash, (Z) other H  
 Date Drilled: 952 Pump intake setting: \_\_\_\_\_ ft  
 Driller: Conrad WW Ryan  
 Lift (type): (A) air, (B) bucket, (C) cent, (J) jet, (L) multiple, (M) multiple, (N) none, (P) piston, (R) rot, (S) submerg, (T) turb, (Z) other Deep  
 Power (type): (nat) diesel, (elec) elec, (gas) gas, (gasoline) gasoline, (hand) hand, (gas) gas, (wind) wind; (LP) LP, (H.P.) H.P., (Trans. or meter no.) Trans. or meter no. 41  
 Descrip. MP \_\_\_\_\_ ft above below LSD, Alt. MP \_\_\_\_\_  
 Alt. LSD: \_\_\_\_\_ Accuracy: (source) \_\_\_\_\_  
 Water Level: \_\_\_\_\_ ft above below MP; \_\_\_\_\_ ft above below LSD Accuracy: \_\_\_\_\_  
 Date meas: \_\_\_\_\_ Yield: \_\_\_\_\_ gpm Method determined \_\_\_\_\_  
 Drawdown: \_\_\_\_\_ ft Accuracy: \_\_\_\_\_ Pumping period \_\_\_\_\_ hrs  
 QUALITY OF WATER DATA: Iron \_\_\_\_\_ ppm Sulfate \_\_\_\_\_ ppm Chloride \_\_\_\_\_ ppm Hard. \_\_\_\_\_ ppm  
 Sp. Conduct \_\_\_\_\_ K x 10<sup>6</sup> Temp. \_\_\_\_\_ °F Date sampled \_\_\_\_\_

Well No. W5

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

**HYDROGEOLOGIC CARD**

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

Drainage Basin: D Subbasin: \_\_\_\_\_

Topo of well site: (D) depression, stream channel, dunes, (F) flat, hilltop, sink, swamp, (U) offshore, pediment, hillside, terrace, undulating, valley flat. F

**MAJOR AQUIFER:** system \_\_\_\_\_ series \_\_\_\_\_ aquifer, formation, group \_\_\_\_\_

Lithology: \_\_\_\_\_ Origin: \_\_\_\_\_ Aquifer Thickness: \_\_\_\_\_ ft

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

**MINOR AQUIFER:** system \_\_\_\_\_ series \_\_\_\_\_ aquifer, formation, group \_\_\_\_\_

Lithology: \_\_\_\_\_ Origin: \_\_\_\_\_ Aquifer Thickness: \_\_\_\_\_ ft

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

**Intervals Screened:**

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: \_\_\_\_\_

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

Drill stem test were made at the following depths

- 1 - 255 ~ 720 f ~ 15' wL + 5'
- 3 - 486 - 536 ~ 730 f ~ 3' wL + 3'
- 4 - 547 - 634 ~ 740 f ~ 2' wL + 5'
- 6 - 1038 - 1163 ~ 80' f ~ 183' + 113'
- 7 - 1206 - 1346 ~ 82' f ~ 288' + 118'

Water Samples & Chem analysis

- (1) 0-63 Surface clay + sd
- 63-98 blue clay
- 98-103 sand
- 103-146 clay
- 146-255 fine clonss
- 255-271 Sdy. Sh.
- 271-362 Sticky Sh
- 362-418 Fine dirty sd + wood
- 418-486 Sh
- 486-536 Fine Tight dirty sd
- 536-547 Sh.
- 547-634 sd - 30' clean 20' tight 20' coarse
- 634-670 Sh
- 670-795 gumbie
- 795-980 Sdy Sh
- 980-1023 coarse sd with sh streaks.
- 1023-1038 Sh
- (2) 1038-1163 fine clonss (7) 1206-1306 fine clonss
- 1306-1346
- 1346-1371
- 1371-1388

GRINER DRILLING SERVICE, INC.  
P.O. DRAWER 825  
COLUMBIA, MISSISSIPPI 39429

W 5

WELL MAINTENANCE CHECK LIST - SERVICE CREW

NAME OF SYSTEM: City of Picayune DATE: 04-03-95  
OWNER'S REPRESENTATIVE: Mickey Miller PHONE # (601) 798-1101 or 1801  
LOCATION OF WELL: Mitchell Street by Fire Station  
WELL NUMBER: Mitchell Street No. 3 PUMP NUMBER: \_\_\_\_\_  
ORIGINAL CAPACITY: 836 GPM AT: 60 POUNDS PRESSURE  
STATIC WATER LEVEL: 6 PSI OPERATING PRESSURE: 55 to 60  
CAPACITY AT OPERATING PRESSURE: 681 GPM  
PUMPING LEVEL AT OPERATING PRESSURE: No casing access  
PUMPS INTO: Line  
TESTING EQUIPMENT REQUIRED: 8" gate, 8" spool, 8" x 6" orifice  
AMPS: 62 rated AMPS AT OPEN VALVE: \_\_\_\_\_  
ANY SAND? 500 at O.D. ANY VIBRATION? Slight  
COMMENTS ON STARTER PANEL; AUTOMATIC CONTROLS; AND VOLTAGE: 50 horsepower, 1750 RPM, 480 volt  
Fairbanks Morse Motor, 709 Allen Bradley Size 3 starter, 480 volt controls  
COMMENTS ON CHLORINATOR: \_\_\_\_\_  
COMMENTS ON VALVES AND FITTINGS: 8" Tee, 8" check valve, 8" gate valve  
CLEAN AND INSPECT OILER AND/OR REPACK AND FILL GREASE CUP: Inspected  
CHANGE OIL IN MOTOR: Yes CLEAN HEAD AND MOTOR: Yes  
PAINT HEAD AND MOTOR: Yes

Fairbanks Morse Pomona Pump Serial No. AW4746  
1 3/16 shaft  
Flo well

# GRINER DRILLING SERVICE, INC.

TELEPHONE 601/736-6347  
 POST OFFICE DRAWER 825  
 COLUMBIA, MISS. 39429

## PUMPING TEST

Date 04-03-95 Formation Miocene County Pearl River  
 Well Observed Mitchell Street #3 Owner City of Picayune  
 Well Pumped Mitchell Street #3 Average Discharge N/A By 8" x 6" orifice  
 Radius N/A Pump On N/A Pump Off N/A  
 M.P. At PSI gauge 2.5' above ground level

TIME	T (MINS.)	T (MINS.)	TAPE HELD	WETTED	WATER LEVEL		PSI	IN	GPM	
L-1 41	AMPS L-2 47	L-3 43			6.0'		STATIC WATER LEVEL			
						valve open	5	42	1001	500 grains of fine sand
							10	39½	974	
							20	34½	913	
							30	30	857	
							40	25	791	
							50	20	708	
45	53	48				operating pressure	55	18½	681	100 grains fine sand
							60	16	636	
							70	11½	845	
							80	9½	495	
							90	7	433	
							100	4	-	
						valve closed	120	-		