

**DOWN  
Construction  
Preliminary Data  
Vero Beach Power Plant  
Vero Beach, Fl**

**Aquifer System Monitor Well:  
Floridan IR-1008  
(formerly known as Floridan IR-0991)**

**SJRWMD Program No. 31-58200**

**Division of Ground Water Programs,  
Department of Resource Management  
St. Johns River Water Management District  
Palatka, Florida**

**October 6, 1999**

*All data, figures, tables and information are provisional and generated for the Division of Ground Water Program's use.*

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Asbuilt

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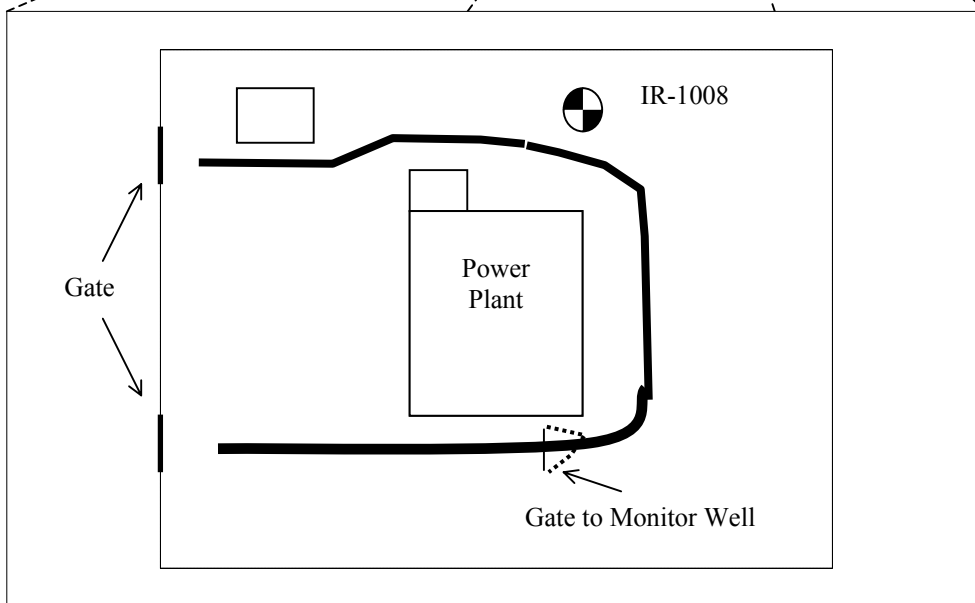
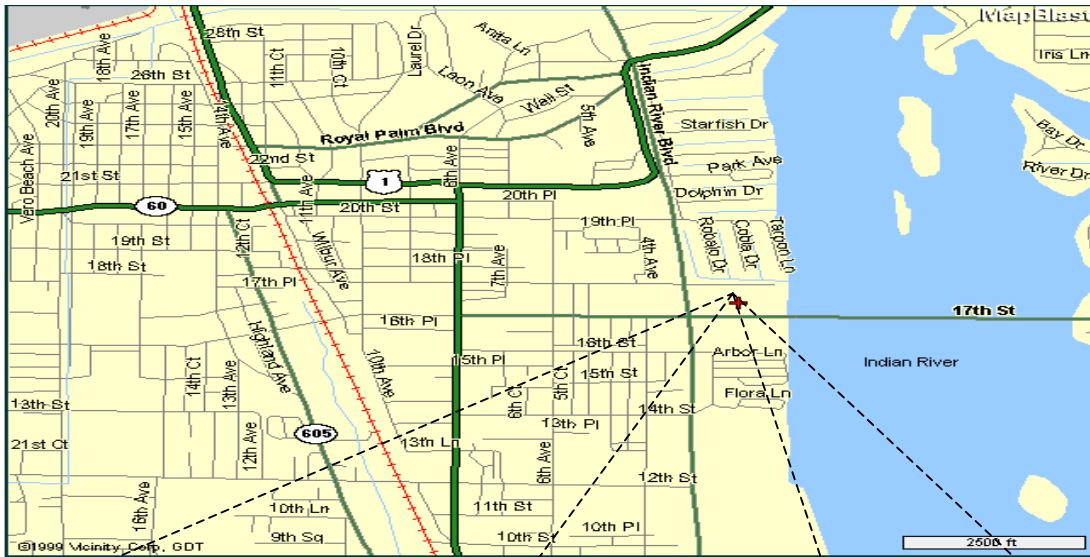
Video Logs

DEP Correspondence

ELAB, INC. Water Quality Results

## NOTES

- SWSI tripped in drill bit and rods to 1,024 ft bls (8/24/99); the obstruction as indicated by caliper log at 420 ft was not apparent. SWSI pulled the rods back and made several passes up and down through the 420-ft mark. Cuttings (if any) were allowed to fall down hole.
- Water discharge from the well was directed through 10-inch diameter PVC pipe to a storm drain located approximately 40 ft away from the well. Hay bales were used as filters in the storm drain. The storm drain discharged into a canal that led to the Indian River.
- The well was allowed to flow into the storm drain for 8 hours at approximately 150 gpm (1,200 gals) in preparation for video logging (8/25/99).
- Artesian flow was controlled during reconstruction by pumping salt down well. After reconstruction, the well was brought back “alive “ by pumping fresh water down the well. The well was allowed to flow into the storm drain (develop at full discharge, 10 gpm) for 42 hours. The discharge was approximately 25,200 gallons. After development, water quality samples were taken for analysis (9/9/99).



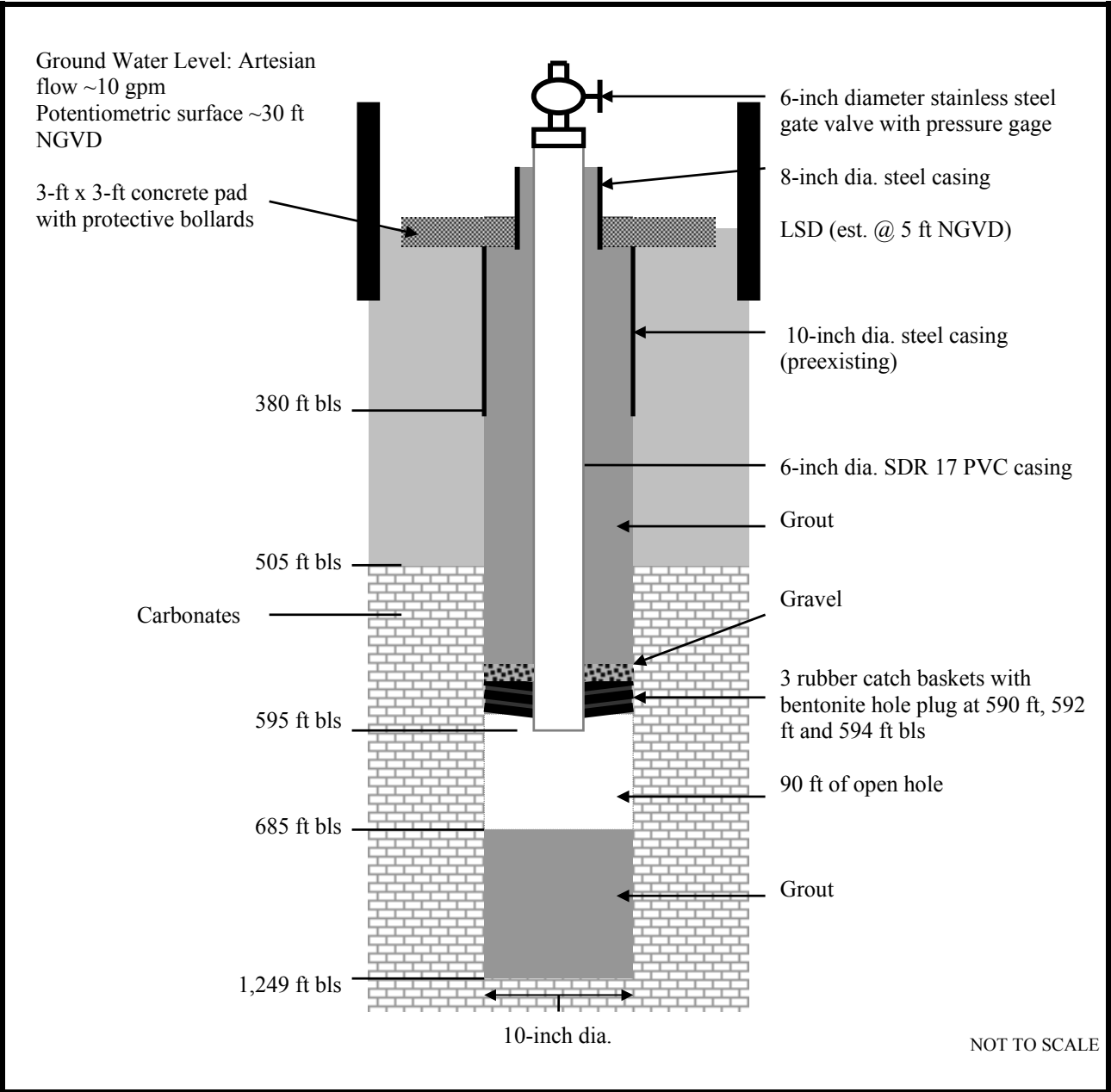
Not To Scale

Site: Vero Beach Power Plant  
 GPS Lat/Long: 271805/802238  
 TRS: 33s 40e sec06  
 Topo: Vero Beach  
 Elevation: ~ 5 ft NGVD

Project No: 31- 52800

**SJRWMD**

Figure 1. Site Map



<b>Site:</b>	Vero Beach Power Plant
<b>Reconstruction:</b>	Southern Well Services Inc.
<b>Well Completed:</b>	September 9, 1999

**SJRWMD**

**Figure 2. Floridan Monitor Well IR-1008**

**Table 1. Groundwater Quality**Site: Vero Beach Power PlantWell Number: IR-1008 (Floridan)Hydrologist: J. SegoCasing Depth: 595 ft

LAB ✓	Date/Time (yymmdd/hhmm)	Sample Depth (ft, bls)	Open Hole (ft)	Temp (Deg C)	pH	Chlorides (mg/L)	Conductivity (us/cm)
✓	990909/0800	685	90	23.5	8.7	950	3,641

**Table 2. Grout Data**Site: Vero Beach Power PlantWell Number: IR-1008 (Floridan)

DATE	TAG DEPTH (ft)	ANNULUS/ BORE (in.)	VOLUME (yds/bgs)	MATERIAL	COMMENTS
8/26/99	595	B-10	10 bgs 3 bgs 10 bgs	Hole plug Gravel Grout	Set 595 ft 6-in. dia. SDR 17 casing; grout baskets at 594, 592, and 590 ft bls. Gravel bridged, knocked down to baskets with tremie pipe and by lifting casing up and down.
8/27/99	515	A-10	25 bgs	Grout	Tremie grout
8/30/99	405	A-10	50 bgs	Grout	Tremie grout
8/31/99	115	A-10	25 bgs	Grout	Tremie grout
9/01/99 am	1249	B-10	50 bgs	Grout	Backplug
9/01/99 pm	1210	B-10	100 bgs	Grout	Backplug
9/02/99 am	1050	B-10	100 bgs	Grout	Backplug
9/02/99 pm	930	B-10	100 bgs	Grout	Backplug
9/03/99	795	B-10	50 bgs	Grout	Backplug
9/07/99	743	B-10	40 bgs	Grout	Backplug
9/08/99	685	B-10	-	-	Back plugging complete

GE

SICAL LOGS FOR WELL D-4610  
**Geophysical Logs**  
ohns River Water Management District

Station Name: Vero Beach Power Plant County: INDIANRI

Monitor Well: IR-1008 Date Logged: \_\_\_\_\_  
County: DUVAL Date Logged: \_\_\_\_\_

Well ID: IR1008 Well ID: D-4610 Latitude: 27D 38M 08S

Latitude: 30D 15M 22S Depth Logged: 680 ft. Depth Logged: 1216 ft.  
**Date Logged: 9/23/99**

Logger: Shane Dossat

FGS ID:

Longitude: 81D 33M 14S

Cased Depth:

Other ID:

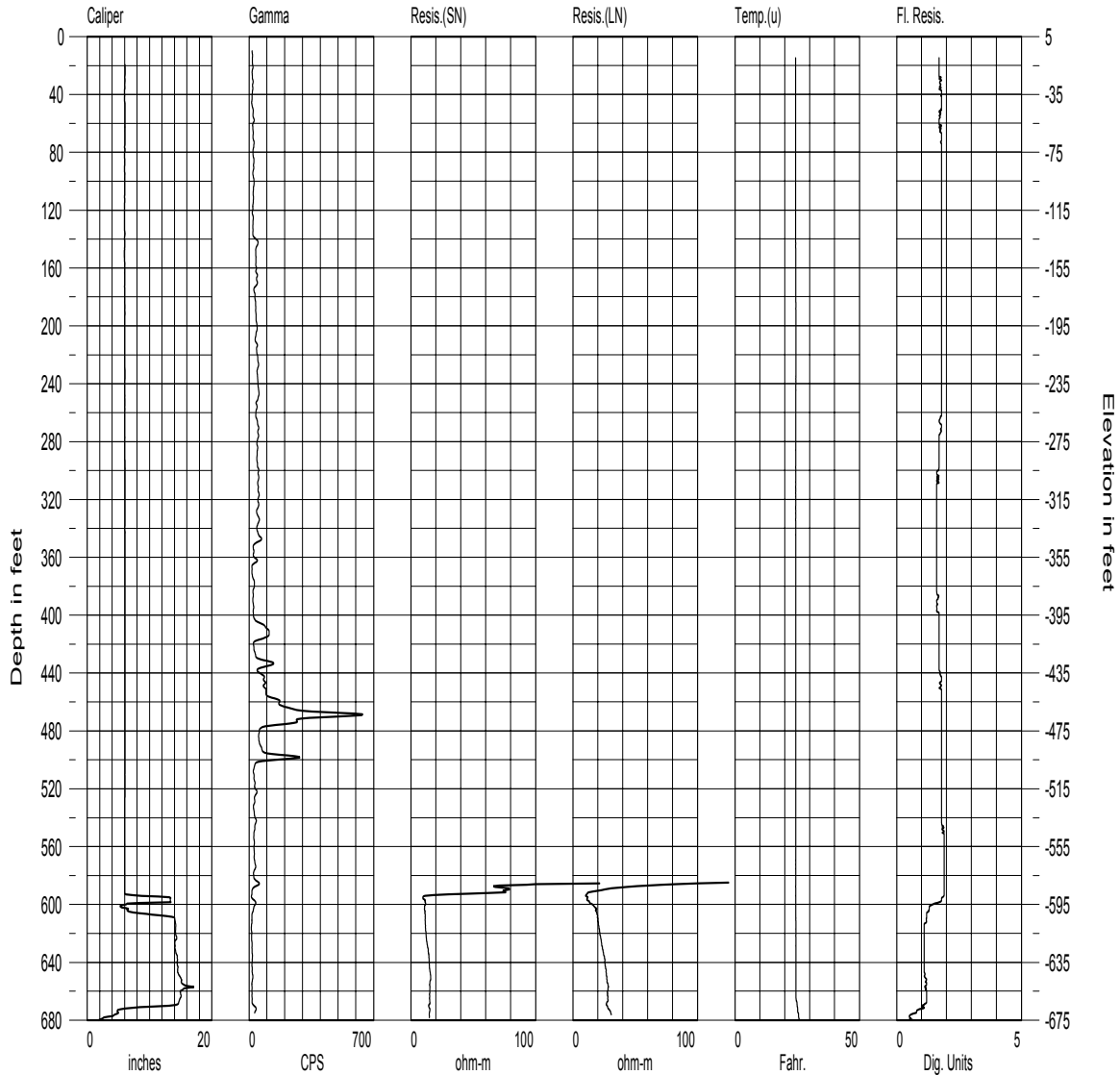
Elevation: 50 ft.

Water Level:

Owner:

Topo: ARLINGTON

Date Measured:

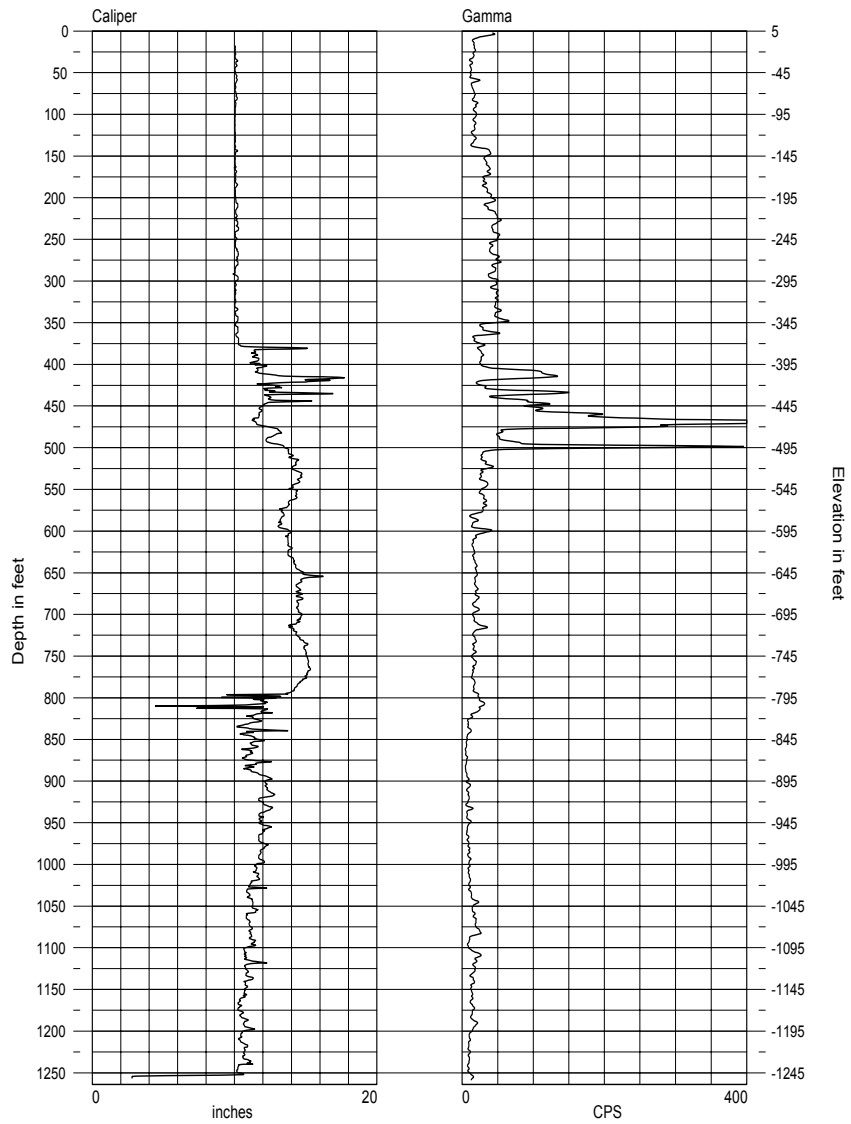


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Date

Logs Available: CAL, GAM,

Elev.at  
TopLon



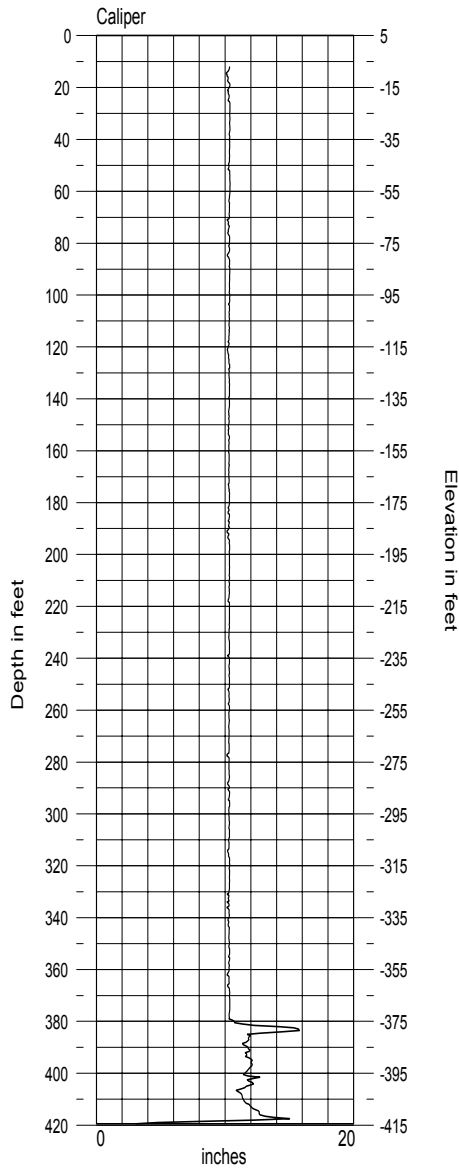
St. Johns River Water Management District Palatka, FL



Geophysical Log  
ve

Site: Vero Beach Power Plant Station Name: County: INDIAN Monitor Well IR-0991

Logger: Shane Dossat FGS ID: Date Logged: 3/23/99  
Longitude: 80D 22M 38S Cased Depth:



St. Johns River Water Management District Palatka, FL

### Video Logs Available

Date	Logger	Well Number	Depth Logged (ft, bls)	Comments
8/25/99	Henderson Wylder	IR-0991	178	Extremely poor visibility