

**SOUTH FLORIDA WATER MANAGEMENT DISTRICT  
FIELD LOG SHEET**

SAMPLE #: 3383

SITE ID: OSF-100 DEPTH OF WELL (DW): Interval 110'-280'

COUNTY: OSCEOLA CASING MATERIAL: STEEL

PROJECT: KBFAS CASING DIAMETER (D): 4"

OWNER'S NAME: SFWMD LAND SURFACE ELEV. (LSE): —

AQUIFER: FLORIDAN MEASURING POINT ELEV. (MPE): —

DATE: 12/17/02 CONDITION OF WELL: GOOD

WELL TAG: No

TIME ON SITE: 0730 WEATHER: Partly Cloudy

TIME OFF SITE: 1630 SAMPLER(S): DJD, JL, ER

PERSONNEL/VISITORS ON SITE: —

**DEPTH TO WATER (DTW)**

1.	TAPE HELD	-	WETTED	=	DTW	
	<u>—</u>		<u>—</u>		<u>-4.68'</u>	(FEET FROM MPE)
2.	<u>—</u>		<u>—</u>		<u>—</u>	(FEET FROM MPE)

WATER ELEV: (MPE-DTW) — FEET

MIN. PURGE VOLUME:  $\frac{—}{DW} - \frac{—}{DTW} \times \frac{—}{D} \times \frac{—}{D} \times 0.1224 = \underline{1545} \text{ GAL}$

PURGE PUMP ID: 3" centrifugal

PURGE RATE: 72 GAL/MIN

MIN. PURGE TIME: (MIN. PURGE VOLUME/PURGE RATE) 21 MIN.

$\frac{1209}{\text{TIME PURGE STOP}} - \frac{1031}{\text{TIME PURGE BEGIN}} = \underline{98} \text{ MIN.}$

TOTAL PURGE VOLUME: (PURGE RATE x TOTAL PURGE TIME) 7056 GAL

### CHEMICAL STABILITY MONITORING

#	TIME	PH	TEMP	SPCOND	OR IBV	DO	COMMENT
	1151	8.45	22.49	274.8	7.9		
	1158	8.48	22.55	270.4	7.8		
	1203	8.49	22.50	268.1	7.9		
	1208	8.55	22.55	270.8	7.8		

TIME SAMPLING BEGIN: 1210 TIME SAMPLING STOP: 1225

SAMPLING DEVICE ID: PERISTALTIC PUMP

SULFUR ODOR: No COLOR: CLEAR

SAMPLING FLOW-RATE (IF IN-PLACE PLUMBING): —

QA SAMPLES TAKEN ON SITE: YES

ADDITIONAL COMMENTS: Purge Volume calculations were done by Mike Bennett. A total of 7056 gal were purged prior to collecting samples. Samples were collected using a peristaltic pump. Noble gas and stable isotope samples were collected. Standing water around cement well slab.

ACID {  $HNO_3 = 25$  drops  
 $H_2SO_4 = 25$  drops

**SOUTH FLORIDA WATER MANAGEMENT DISTRICT  
FIELD LOG SHEET**

SAMPLE #: 3384

SITE ID: OSF-97 DEPTH OF WELL (DW): Interval 2000'-2130'

COUNTY: OSCEOLA CASING MATERIAL: STEEL

PROJECT: KBFAS CASING DIAMETER (D): 3"

OWNER'S NAME: SFWMD LAND SURFACE ELEV. (LSE): -

AQUIFER: FLORIDAN MEASURING POINT ELEV. (MPE): -

DATE: 12/17/02 CONDITION OF WELL: Good

WELL TAG: No

TIME ON SITE: 0730 WEATHER: Partly Cloudy

TIME OFF SITE: 1630 SAMPLER(S): DSD, JC, ER

PERSONNEL/VISITORS ON SITE: -

**DEPTH TO WATER (DTW)**

	TAPE HELD	-	WETTED	=	DTW	(FEET FROM MPE)
1.	<u>-</u>		<u>-</u>		<u>-</u>	(FEET FROM MPE)
2.	<u>-</u>		<u>-</u>		<u>-</u>	(FEET FROM MPE)

WATER ELEV: (MPE-DTW) - FEET *Purge Equipment was in place  
No DTW taken.*

MIN. PURGE VOLUME:  $\frac{-}{DW} - \frac{-}{DTW} \times \frac{-}{D} \times \frac{-}{D} \times 0.1224 = \underline{2550}$  GAL

PURGE PUMP ID: 2" Centrifugal

PURGE RATE: 26 GAL/MIN

MIN. PURGE TIME: (MIN. PURGE VOLUME/PURGE RATE) 98 MIN.

$\frac{1323}{\text{TIME PURGE STOP}} - \frac{1032}{\text{TIME PURGE BEGIN}} = \frac{171}{\text{TOTAL PURGE TIME}}$  MIN.

TOTAL PURGE VOLUME: (PURGE RATE x TOTAL PURGE TIME) 4446 GAL



**SOUTH FLORIDA WATER MANAGEMENT DISTRICT  
FIELD LOG SHEET**

SAMPLE #: 3385

SITE ID: OSF-99 DEPTH OF WELL (DW): 355'-675' <sup>Interval</sup>

COUNTY: OSCEOLA CASING MATERIAL: STEEL

PROJECT: KB FAS CASING DIAMETER (D): Annular space BETWEEN 8" and 14"

OWNER'S NAME: SFWMD LAND SURFACE ELEV. (LSE): —

AQUIFER: FLORIDAN MEASURING POINT ELEV. (MPE): —

DATE: 12/17/02 CONDITION OF WELL: Good

WELL TAG: No

TIME ON SITE: 0730 WEATHER: Partly Cloudy

TIME OFF SITE: 1630 SAMPLER(S): DSD, JC, ER

PERSONNEL/VISITORS ON SITE: —

DEPTH TO WATER (DTW)

	TAPE HELD	-	WETTED	=	DTW	(FEET FROM MPE)
1.	<u>—</u>		<u>—</u>		<u>—</u>	(FEET FROM MPE)
2.	<u>—</u>		<u>—</u>		<u>—</u>	(FEET FROM MPE)

WATER ELEV: (MPE-DTW) — FEET Purge Equipment was in place. No DTW taken.

MIN. PURGE VOLUME:  $\frac{—}{DW} - \frac{—}{DTW} \times \frac{—}{D} \times \frac{—}{D} \times 0.1224 = 6795 \text{ GAL}$

PURGE PUMP ID: 3" Centrifugal

PURGE RATE: 68 GAL/MIN

MIN. PURGE TIME: (MIN. PURGE VOLUME/PURGE RATE) 100 MIN.

$\frac{1400}{\text{TIME PURGE STOP}} - \frac{1138}{\text{TIME PURGE BEGIN}} = \frac{142}{\text{TOTAL PURGE TIME}} \text{ MIN.}$

TOTAL PURGE VOLUME: (PURGE RATE x TOTAL PURGE TIME) 9656 GAL

## CHEMICAL STABILITY MONITORING

#	TIME	PH	TEMP	SPCOND	EM IBV	DO	COMMENT
	1423	7.92	23.98	963.3	7.9		
	1428	7.87	24.18	965.4	7.8		
	1433	7.86	24.24	972.1	7.8		
	1440	7.84	24.12	975.1	7.8		

TIME SAMPLING BEGIN: 1442      TIME SAMPLING STOP: 1455

SAMPLING DEVICE ID: peristaltic pump

SULFUR ODOR: NO      COLOR: CLEAR

SAMPLING FLOW-RATE (IF IN-PLACE PLUMBING): —

QA SAMPLES TAKEN ON SITE: YES

ADDITIONAL COMMENTS: Page Volume calculations Done by Mike Bennett. A total of 9656 gal were purged prior to sampling. Samples were collected using a peristaltic pump. Noble gas and stable isotopes samples were collected. Standing water around the cement well slab.

ACID {  $\text{HNO}_3 = 20 \text{ drops}$   
 $\text{H}_2\text{SO}_4 = 20 \text{ drops}$

**SOUTH FLORIDA WATER MANAGEMENT DISTRICT  
FIELD LOG SHEET**

SAMPLE #: 3386

SITE ID: OSF-98 DEPTH OF WELL (DW): Interval 1220'-1490'

COUNTY: Osceola CASING MATERIAL: STEEL

PROJECT: KB FAC CASING DIAMETER (D): ANNULAR SPACE BETWEEN 3" AND 8"

OWNER'S NAME: SFWMD LAND SURFACE ELEV. (LSE): —

AQUIFER: FLORIDAN MEASURING POINT ELEV. (MPE): —

DATE: 12/17/02 CONDITION OF WELL: Good

WELL TAG: No

TIME ON SITE: 0730 WEATHER: Partly Cloudy

TIME OFF SITE: 1630 SAMPLER(S): DJD, JC, ER

PERSONNEL/VISITORS ON SITE: —

**DEPTH TO WATER (DTW)**

	TAPE HELD	WETTED	=	DTW	(FEET FROM MPE)
1.	<u>—</u>	<u>—</u>	=	<u>—</u>	(FEET FROM MPE)
2.	<u>—</u>	<u>—</u>	=	<u>—</u>	(FEET FROM MPE)

WATER ELEV: (MPE-DTW) — FEET *Purge Equipment WAS IN PLACE  
No DTW taken*

MIN. PURGE VOLUME:  $\frac{—}{DW} - \frac{—}{DTW} \times \frac{—}{D} \times \frac{—}{D} \times 0.1224 = \underline{7770} \text{ GAL}$

PURGE PUMP ID: 2" / 3" centrifugal

PURGE RATE: 20 / 60 GAL/MIN

MIN. PURGE TIME: (MIN. PURGE VOLUME/PURGE RATE) — MIN.

$\frac{1400}{1553} - \frac{1042}{1402} = \frac{198}{111} \text{ MIN.}$   
 TIME PURGE STOP                      TIME PURGE BEGIN                      TOTAL PURGE TIME

TOTAL PURGE VOLUME: (PURGE RATE x TOTAL PURGE TIME) 10620 GAL





SOUTH FLORIDA WATER MANAGEMENT DISTRICT  
FIELD LOG SHEET

North, S, E, W

DATE: 2/6/02      **Sample Interval: 2146 to 2258**  
 DEPTH OF WELL (DW): 2258  
 SAMPLE #: P10802      CASING MATERIAL: Steel  
 SITE ID: OSF-97      CASING DIAMETER (D): 5.5" to 120'  
 COUNTY: Osceola      LAND SURFACE ELEV. (LSE):  
 PROJECT: RBFAS      MEASURING SURFACE ELEV. (MPE): 8.38  
 OWNER'S NAME: SFWMD      CONDITION OF WELL: New Well, Still drilling  
 AQUIFER: Floridan  
 WELL TAG: None/new well      WEATHER: Clear, low 70's  
 TIME ON SITE: 1035      SAMPLERS: VO SA  
 TIME OFF SITE: 1230  
 VISITORS ON SITE: John Cain, Dave Demoustranti

DEPTH TO WATER (DTW)

	TAPE HELD	WETTED	=	DTW	(FEET FROM MPE)
1.	<u>                    </u>	<u>                    </u>	=	<u>27.18</u>	(FEET FROM MPE)
2.	<u>                    </u>	<u>                    </u>	=	<u>                    </u>	(FEET FROM MPE)

WATER ELEV: (MPE-DTW)                      FEET

MIN. PURGE VOLUME:                      x                      x                      x 0.1224 = 2577 GAL

PURGE PUMP ID: 3 HP submer. pump

PURGE RATE: 38 GAL/MIN.

MIN. PURGE TIME: (MIN. PURGE VOLUME/PURGE RATE) 68 MIN.

TIME PURGE STOP: 12:02      TIME PURGE BEGAN: 10:54      =      TOTAL PURGE TIME: 68 MIN.

TOTAL PURGE VOLUME: (PURGE RATE X TOTAL PURGE TIME) 2584 GAL

820604 11/15/02: Michael J. Gomas

CHEMICAL STABILITY MONITORING

#	TIME	PH	TEMP	SPCOND	EH	DO	COMMENT
P108021	1210	7.43	27.22	2021	-	1.22	samplers clear with few suspended solids
P108023	1215	7.44	27.22	2018	-	1.17	suspended solids

TIME SAMPLING BEGIN: 12:05 TIME SAMPLING STOP: 12:30 <sup>12/15/02</sup>

SAMPLING DEVICE ID: 3 HP submer. Pump

SULFUR ODOR: yes - slight COLOR: Clear

SAMPLING FLOW-RATE (IF IN-PLACE PLUMBING): \_\_\_\_\_

QA SAMPLES TAKEN ON SITE: EB, RS, & FB

ADDITIONAL COMMENTS: Well was purged yesterday 2/5/02, 13,200 gal purged. All calculations done by Dave Demonstranti. Sample taken directly from discharge hose. Sample put into bucket, and syringe & filter. DO readings taken from a bucket - unable to get non-aerated sample