

# WELL CUTTINGS PROCESSING FORM

SFWMD ID NO.: \_\_\_\_\_ WELL CONST. PERMIT NO.: \_\_\_\_\_

WELL NAME: SLMW230 GEOPHY. LOG AVAIL.  Yes  No

COUNTY St Lucie SFWMD GEOPHY.# \_\_\_\_\_

LOCATION: NW ~~B~~ 1/4 of SE 1/4 of NW 1/4 of Sec. 15 Twp. 36S Rge. 37E

Latitude 27° 15' 34" Longitude 80° 37' 25"

Planar X 622280 Planar Y 1063621

DRILLER: Tony Lulorano <sup>70</sup> SFWMD DATE DRILLED 4/24/90

DEPTH (ft) 322 ELEVATION (NGVD) \_\_\_\_\_ ( ) TOPO ( ) SURVEY

NO. OF SAMPLES \_\_\_\_\_ NO. OF SPLITS \_\_\_\_\_ DATE SENT \_\_\_\_\_

SENT TO: ( ) BOG ( ) USGS \_\_\_\_\_ ( ) OTHER \_\_\_\_\_

WATER SAMPLE: CHLORIDES (mg/l) \_\_\_\_\_  
LAB SAMPLE # \_\_\_\_\_

HYDRAULIC DATA AVAILABLE:  
SPECIFIC CAPACITY \_\_\_\_\_ Yes \_\_\_\_\_ No \_\_\_\_\_  
PUMP TEST \_\_\_\_\_ Yes \_\_\_\_\_ No \_\_\_\_\_

COMPLETION INFO: ( ) PLUGGED ( ) TEST  MONITOR ( ) PRODUCTION

DRILLING METHOD: ( ) CABLE TOOL ( ) JET ( ) AUGER  
 ROTARY:  Mud [ ] Air [ ] Reverse [ ] Dual Wall

CASING: TYPE:  PVC ( ) GALV. ( ) STEEL  
DIAMETER: 2" INTERVAL: 0-32'

SCREEN: TYPE:  PVC ( ) GALV. ( ) STEEL  
DIAMETER: 2" INTERVAL: 32-42'

GEOLOGIST DESCRIPTION: ( ) NO  YES \_\_\_\_\_

COMMENTS: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

**WELL COMPLETION REPORT**

FORM 0124  
Rev. 4/85

WELL PERMIT NO. \_\_\_\_\_

Evans Properties - Bluefield Ranch (SFWMD)

Owner SFWMD Address \_\_\_\_\_ City 32' State 42 Zip SLM W23  
 Contractor's Name Tony Lubrano License No. \_\_\_\_\_ Completion Date \_\_\_\_\_ Casing Depth \_\_\_\_\_ Total Depth \_\_\_\_\_ Well # \_\_\_\_\_  
 Driller's Name \_\_\_\_\_ Registration No. \_\_\_\_\_

TYPE OF WORK: Construct (  ) Repair (  ) Abandon (  )  
 WELL USE: Domestic Well (  ) Public (  ) Monitor (  ) Test (  )  
 Irrigation (  ) Fire Well (  ) Other \_\_\_\_\_  
 METHOD: Rotary with MUD (  ) or Air (  ), Cable Tool (  ), Jet (  )  
 Casing Driven (  ), Other \_\_\_\_\_  
 STATIC WATER LEVEL \_\_\_\_\_ Ft. below top of casing  
 PUMPING WATER LEVEL \_\_\_\_\_ Ft. after \_\_\_\_\_ Hrs. at \_\_\_\_\_ GPM  
 PUMP SIZE \_\_\_\_\_ H.P. CAPACITY \_\_\_\_\_ GPM  
 PUMP TYPE \_\_\_\_\_ INTAKE DEPTH \_\_\_\_\_  
 From top of ground

**LOCATION**

Located Near \_\_\_\_\_

County St Lucie

SE NW 15 36S 37E  
 1/4 1/4 Section Township Range  
27°15'34" - 80° 37'25"  
 Latitude-Longitude


LOCATE IN SECTION

Cuttings sent to District? (  ) Yes  
 (  ) No

**Note: PWS Wells attach a site map if well location is different from site location on permit application.**

Grout	Casing & Screen	Depth (ft)		DRILL CUTTINGS LOG Examine cuttings every 20 ft. or at formation changes Give color, grain size, and type of material Note cavities, depth to producing zones.
		From	To	
Number of bags				

Casing: Black Steel (  ) Galv. (  ) PVC (  ) Fiberglass (  )  
 Screen: Type PVC Slot size \_\_\_\_\_  
 Screened from 32 (ft.) to 42 (ft.)  
 Type of grout with % additives \_\_\_\_\_  
 Water: Clear (  ) Colored (  ) Sulphur (  ) Salty (  ) Iron (  )  
 Conductivity \_\_\_\_\_ Chlorides \_\_\_\_\_ mg/l



#  
251 Royal Palm Way  
South Blvd to A/D go N.  
Go to Royal Palm Way. Go left  
Go past 1st stop light.  
~~685~~ 685-8585  
Wade Byrd.

**ATTACHMENT A  
USE OF RADIOACTIVE MATERIALS IN TEST WELL**

1. Property owner authorizes use of sealed nuclear source for geophysical logging purposes in test well construction.
  
2. In the event the sealed source is lodged downhole, every effort at recovery of said source will be utilized.
  
3. If a decision is made to abandon the sealed source downhole, it will be done so in compliance with Florida Administrative Code Section 10D-91.1200, Control of Radiation Hazard Regulations.
  
4. In the event the said source is lost downhole, South Florida Water Management District will be responsible for the protection from any contamination of the well and surrounding formation water from said source.
  
5. The Radiation Safety Officer of this agency is responsible for compliance with the above-mentioned Department of Health and Rehabilitative Services regulations.

PHILIP C. IGLEHART AND WADE R. BYRD,  
AS TRUSTEES TO THE PHILIP L. B. IGLEHART  
IRREVOCABLE TRUST

BY: Philip C. Iglehart  
OWNER

October 27, 1989  
DATE

Ernest D. Cameron  
SFWMID RADIATION SAFETY OFFICER

10/27/89  
DATE

RIGHT OF ENTRY AGREEMENT/WELL CONSTRUCTION

The SOUTH FLORIDA WATER MANAGEMENT DISTRICT and/or the United States Geological Survey and the agents, employees or assigns of each, (Permittees) are hereby granted the right to enter upon property owned by Philip Iglehart (owner), and described herein, for the following purposes:

1. To construct water well(s) for the purpose of gathering lithologic data.
2. To conduct aquifer performance and step drawdown test(s) to determine water availability.
3. To collect geophysical logs on selected well(s).SEE ATTACHMENT "A"
4. To periodically be allowed access to the well(s) for the purpose of monitoring water levels and/or water quality sampling.

Such equipment as may be needed to accomplish the above purposes may be brought upon, over and across the property, which is described as follows:

NO WEAPONS OF ANY KIND ALLOWED ON PROPERTY.

Township 37 South  
Range 37 East  
Section 36

THIS AGREEMENT MAY BE CANCELLED BY THE OWNER AT ANY TIME AFTER TWO (2) YEARS FROM DATE HERE

The permittees, and each of them, warrant to the undersigned that upon completion of the above purposes, the property will be left in, or restored to, the same condition as it was when the permittees or their contractor(s) first entered upon the land to begin their work.

The permittees, and each of them, separately and severally, to the extent permitted by law, shall save and hold harmless the undersigned owner from claims for damages or injury caused by the permittees, their agents, servants, employees, or contractors, during the time this permit for access and use is in effect.

PHILIP C. IGLEHART AND WADE R. BYRD,  
AS TRUSTEES OF THE PHILIP L. B. IGLEHART  
IRREVOCABLE TRUST

BY: Wade Byrd, Trustee  
OWNER

Date: October 27, 1989

Executed by owner in presence of/  
Loretta W. Weisphal  
Gwen Kramer

Permittee shall hold the owner harmless from any and all claims asserted by the Permittee, its agents, or employees who may be present on the property from time to time. Permittee, its agents, employees or others enter the property at their own risk.

COUNTERSIGNED BY PERMITTEE(S)  
[Signature]  
for SFWMD

Date: 10/31/89

\_\_\_\_\_  
for

Date: \_\_\_\_\_

Legal Form Approved  
SFWMD Office of Counsel  
3) R. May Date 10-30-89

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PHILIP C. IGLEHART AND WADE R. BYRD,  
AS TRUSTEES TO THE PHILIP L. B. IGLEHART  
IRREVOCABLE TRUST

BY: \_\_\_\_\_  
OWNER

*Wade R. Byrd, Trustee*

October 27, 1989  
DATE

\_\_\_\_\_  
SFWMD RADIATION SAFETY OFFICER

*Philip C. Iglehart*

DATE

*10/27/89*

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Township 37 South  
Range 37 East  
Section 15

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PHILIP C. IGLEHART AND WADE R. BYRD,  
AS TRUSTEES OF THE PHILIP L. B. IGLEHART  
IRREVOCABLE TRUST

BY: Wade R. Byrd Trustee  
OWNER

Date: October 27, 1989

Executed by owner in presence of:

Loretta W. Westphal  
Gwen Kramer

Permittee shall hold the owner harmless from any and all claims asserted by the Permittee, its agents, or employees who may be present on the property from time to time. Permittee, its agents, employees or others enter the property at their own risk.

COUNTERSIGNED BY PERMITTEE(S)

[Signature]  
for SFWMD

Date: 10/31/89

\_\_\_\_\_ for

Date: \_\_\_\_\_

3) E. Wolfe Date 10-30-89



MODIFICATION/RE-ISSUE

PHILIP C. IGLEHART, WADE R. BYRD, TRUSTEE  
(IGLEHART RANCH WEST GROVE)

APPLICATION NO.: N/A

PERMIT NO.: 56-00554-W

*Proposed  
2 MW  
sites  
Dale Hardin  
Consultant  
(813) 575-2500*

LAST DATE FOR BOARD ACTION:

OCTOBER 8, 1987

ST. LUCIE COUNTY

SOUTH FLORIDA WATER MANAGEMENT DISTRICT

STAFF REPORT

AGRICULTURAL WATER USE

**DRAFT**  
Subject to Governing  
Board Approval

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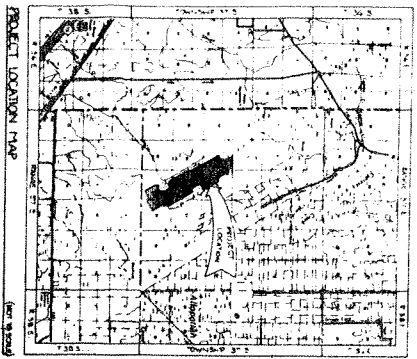
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Date of Photography: 1979

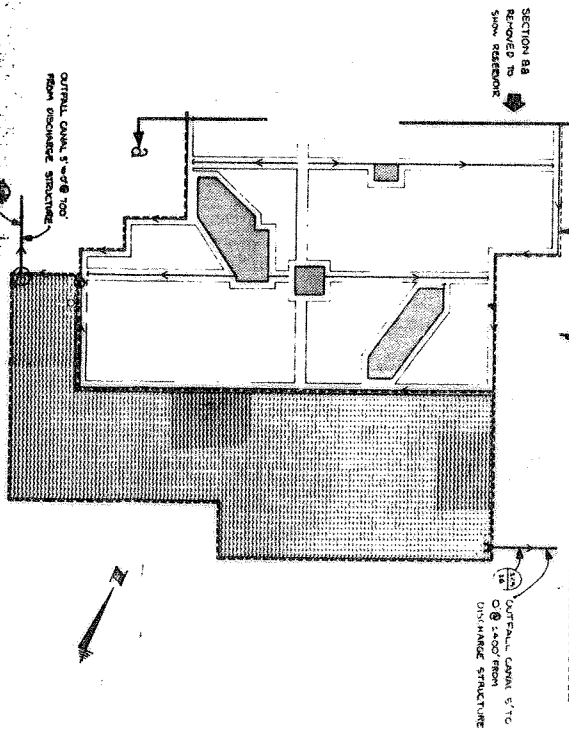
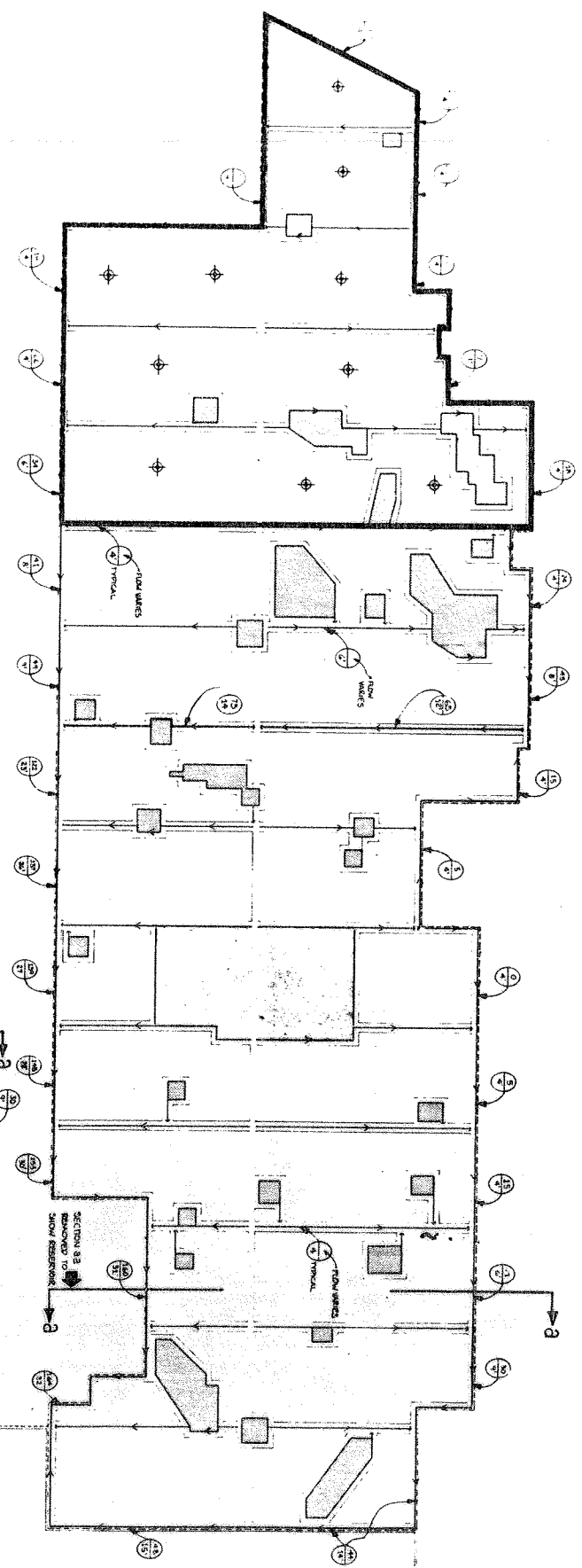
AERIAL PHOTOGRAPH

OVERALL GROVE LAYOUT

SCALE: 1"=500'



- LEGEND**
- - BOUNDARY OF THE PROJECT (ORIGINALLY AS SHOWN IN THE ORIGINAL RECORD DRAWING)
  - - DIMENSIONED AREA (AS SHOWN IN RECORD)
  - - RESERVOIR
  - - LIMITS OF EXISTING UTILITIES (WHERE KNOWN)
  - - PERIMETER / RESERVOIR DIME
  - - BOUNDARY OF TRAILS
  - - DIRECTION OF FLOW
  - - FLOW (CFS)
  - - BOTTOM WIDTH
  - - TOP WIDTH
  - - OUTLINE OF PROPOSED ROADWAYS OR DE PROPOSED
  - - TRAMP STRUCTURE
  - - FENCELINE, SULLYWAY
  - - PROPOSED WELLS



SECTION BA  
REMOVED TO  
SHOW RESERVOIR

OVERALL CANAL 5'-0" FOR  
RIGHT SIDE OF CANAL STRUCTURE

OVERALL CANAL 5'-10"  
FOR  
LEFT SIDE OF CANAL  
STRUCTURE

PROJECT: WEST GROVE  
FOR: P.B. TOLENAK

NO.	REVISIONS	BY	DATE



**AGRICULTURAL  
MANAGEMENT SERVICES**  
SHEET TITLE: OVERALL GROVE LAYOUT SHOWING LOCATION  
OF EXISTING TRAMP ALLEYS

DRAWN BY: I.T. FAREK  
DATE: 11-20-54  
**EXHIBIT 48**  
SHEET

ST. LUCIE CO.

RANGE 37 E.

R 38 E.

T 36 S.

TOWNSHIP 37 S.

T 38 S.

RANGE 37 E.

R 38 E.

36 E.

Dave,  
Bluefield  
Ranch  
Property

Proposed  
orange  
grove  
cannot put  
wells  
there

PROJECT  
LOCATION

PARKER  
BRANCH

Allapattah

Count

ST. LUCIE CO.

MARTIN CO.

Bluefield

Dunstan  
Memorial  
Camp



(NOT TO SCALE)

EXHIBIT 3

SOUTH FLORIDA WATER MANAGEMENT DISTRICT

PROJECT St. Lucie WELL NO. SLMW23 DATE 4-24-90

Drilling Mud rotary 5 7/8" drag bit. Grab samples collected w/ wire screen

DEPTH	DESCRIPTION - ROCK TYPE, COLOR, HARDNESS, OTHER	Bentonite mud
0845	Arrived on site	
0901	Drilling Desander on.	
	@ 2.5' dark brown sd	
	@ 4' as above	
	@ 5' fine brown sand goes through strainers	
	No sample	
	7' lt. gray sand, fine, goes thru strainer. No sample	
	8' Sand, darker, still fine	
0909	10' as above	
	11' darker sand, still no sample	
	12.5' Clayey, lt. brown sand v. small sample	
	15' white clayey sand " " "	
	17' as above	
	20' limy white sand, turning more brown	
	21' gray sandy clay (or clayey sand)	
0918	22' KD	
	add 20' DP #1 w/ stabilizers DS = 47'	
	21- <del>22</del>	
	22' Shell + coarse sand (gray, clayey)	
	25' " " "	
	34' " " " white, coarse	
	35' sand + shell, clayey	
0928	42' KD as above. Formation took a little fluid	
0933	Took desander sample	
	add 20' DP #2 DS = 107'	
	50' Increasing clay in sand + shell.	
	50-55 Sand + shell waste (in ~ 53')	
	55-60 Interbedded limy clay + sandy shell	
	50-60 Interbedded clayey sand + shell	
0943	KD @ 62' as above	
	add 20' DP #3 DS = 87' Taking desander sample	

35' }

SOUTH FLORIDA WATER MANAGEMENT DISTRICT

PROJECT St. Lucie WELL NO. SLW 23 DATE 4-24

DEPTH	DESCRIPTION - ROCK TYPE, COLOR, HARDNESS, OTHER
0950	Adding mud (Bentonite & EZ mud polymer)
0957	62-65 As above, mostly clay
	65-70 thin <sup>clay</sup> platy shell + clay
	70-75 clayey sand w/ shell (fine)
	75-80 As above
1003	KD @ 82' As above; Clayey sand + shell hash
1008	Add 20' DP #4 DS = 107'
	82-85 Greenish clay w/ some sand + shell
	85' shell bed
	85-90 Clayey sand + shell (less clay than above)
	90-95 shell becoming coarser
	90-95 <sup>clayey</sup> sandy LS + shell
	in @ 95'
	95-100 shelly white granular LS (as above)
1019	KD @ 102' As above, platy shells (pecten) + sandy LS (Similar interval in CH 5)
	Adding 20' DP #5 DS = 127'
	102-105 As above less clay
	105-110 Shell <sup>med-coarse</sup> hash + sand small amt. clay
	110-115 as above w/ granular LS
	115-120 As above
	121 harder layer
1039	KD @ 122' 121-122 A bit more consolidated
	Add 20' DP #6 DS = 147'
	122-125 fine-coarse shell + sand + sandy granular LS
	125-129 Sandy granular LS + shell
	@ 130 clay appears w/ shell + sandy Coral pieces
	130-135 As above, clay increasing (green) Semi consol. streak
	135-140 Hard streak ~ KD Interbedded green sandy clay + shell, <sup>w/ clay</sup> clay increasing w/ depth
	140-142 As above, w/ coarse shell layers @ bottom
1057	KD @ 142'

SOUTH FLORIDA WATER MANAGEMENT DISTRICT

PROJECT St. Lucie WELL NO. SLW23 DATE 4-24-90

DEPTH	DESCRIPTION - ROCK TYPE, COLOR, HARDNESS, OTHER
1105	add DP # <sup>(20')</sup> 7 DS = 167' adding a little more polymer + Envirotoque
	@ 143' Clayey lime, shell layers, green + sandy
	@ 145' green clayey sd
	@ 150 as above more clay
	@ 160 as above less sand
1119	KD @ 162' as above green clay, tr sand Polymers decrease cohesiveness of clay Samples like a "cheese sauce"
	add 20' DP # 8 DS = 187'
1129	@ 162 as above green clay
	@ 165' Clay is green + <del>more</del> <sup>very</sup> phosphatic (very fine particles) Clay is more cohesive
	@ 170 as above
	@ 175 Phosphate in Clay is larger grains
1141	KD @ 182 as above green Clay is phosphatic
1147	Add 20' DP # 9 DS = 207'
1162	@ 183' Green phosphatic Clay
	@ 185 as above
1156	@ 190' as above some lighter stringers
	@ 195 as above
	@ 200' as above w/ tr shell
1203	@ 202' KD grey clay stringers tr shell adding 20' DP # 10 DS = 227'
	202-205 DK green phosphatic clay, 4 sm. ant shell
	205-210 DK green clay as above w/ interbedded gray sand
	210-215 as above lighter green-gray clay
	215-220 as above lt green-gray (limey)
1223	KD @ 222' as above Desander Sample 210-220 Adding 20' DP # 11 DS = 247'
	222-225 sandier (softer @ 225) green phosphatic clay + shell

SOUTH FLORIDA WATER MANAGEMENT DISTRICT

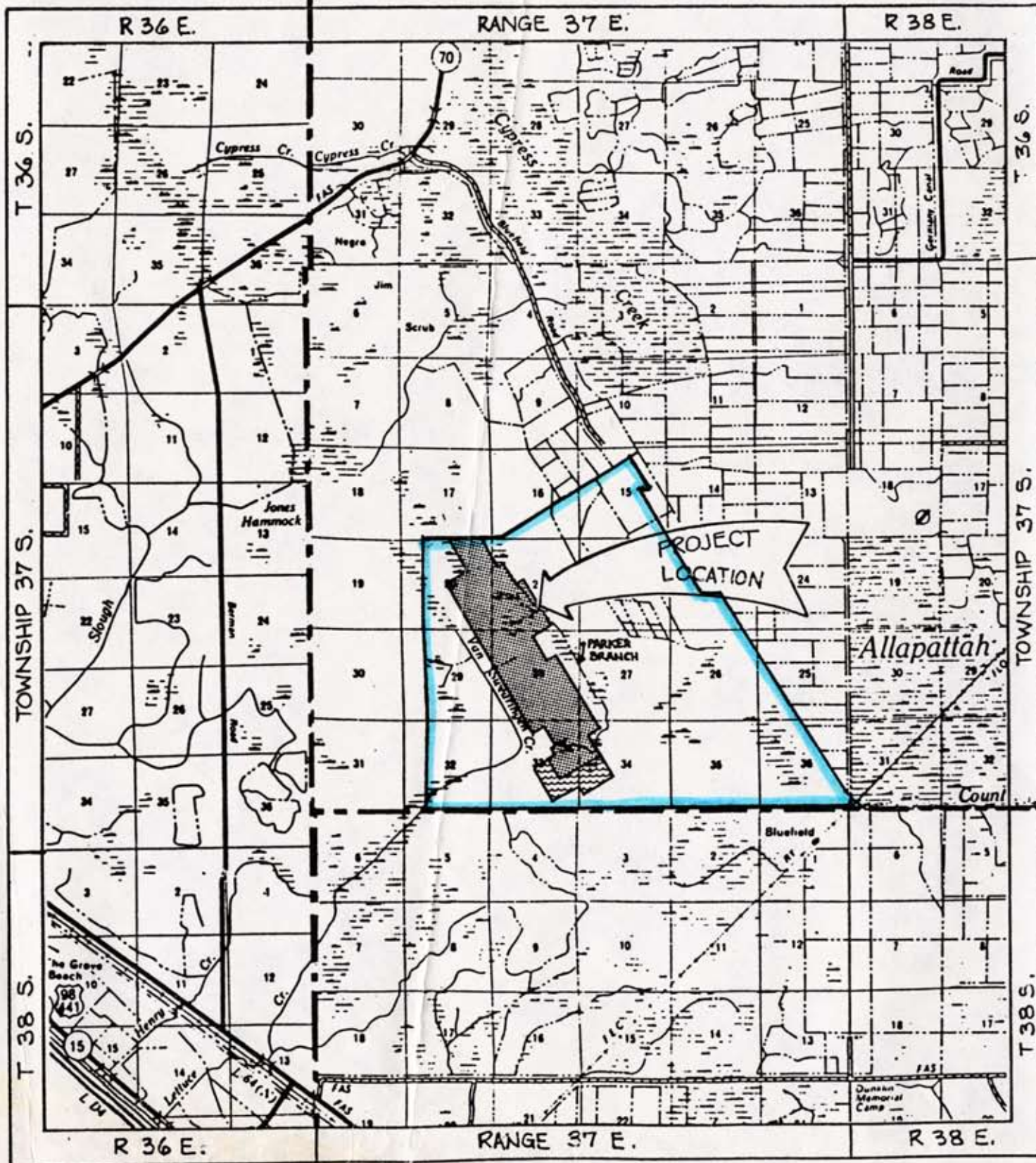
PROJECT St. Lucie WELL NO. SLmw23 DATE 4-24

DEPTH	DESCRIPTION - ROCK TYPE, COLOR, HARDNESS, OTHER
	225-230 - Not getting much sample - Sandy interval in clay? or soft muddy clay
	230-235 - Not much sample. muddy silty green clay.
	235-240 sandy muddy green clay, trace shell
1244	KD @ 242' clay becoming more cohesive @ 240-242
	Add DP #12 DS = 267'
1258	@ 248 as above Cohesive green sandy clay
	@ 250' Clay gets darker green
1300	@ 255' as above, <sup>clay</sup> very cohesive; "dry"; silty
1303	KD @ 262'
1310	Add 20' DP #13 DS = 287'
1318	@ 265 green clay as above, cuttings are a little "flakey", <del>very dark green</del>
	@ 270' as above clay less cohesive, darker green
1323	@ 275' as above clay is soft, dark green
	inter bedded w/ hard "dry" layers
1325	@ 280 Pete on site w/ ligger
1329	KD @ 282' As above clay is "muddy"
	Adding 20' DP #14 DS = 307'
	282-285 DK green, cohesive clay + shell (trace)
	285-290 Soft @ 290 as above.
	290-295 Changing to lighter green color. trace shell.
	295-302 As above, clay darkening.
1352	KD @ 302'
	Add DP #15 DS = 327'
	302-305' <sup>DK</sup> Green clay, + shell (small amt)
	305-310' DK green clay (trace shell)
	310-315" As above Slow drilling
	315-322' As above.
1422	KD @ 322' Pieces of dense gray ss appears
1450	begin running geophysical logs <sup>(in sandy ss)</sup> Res; Single Point, SP, Gamma, Neutron, Density, Caliper
1800	Well Pt-A. Rig skidded 10' forward to install 42' well. 2" screen from 32'-42'



OKEECHOBEE CO.

ST. LUCIE CO.



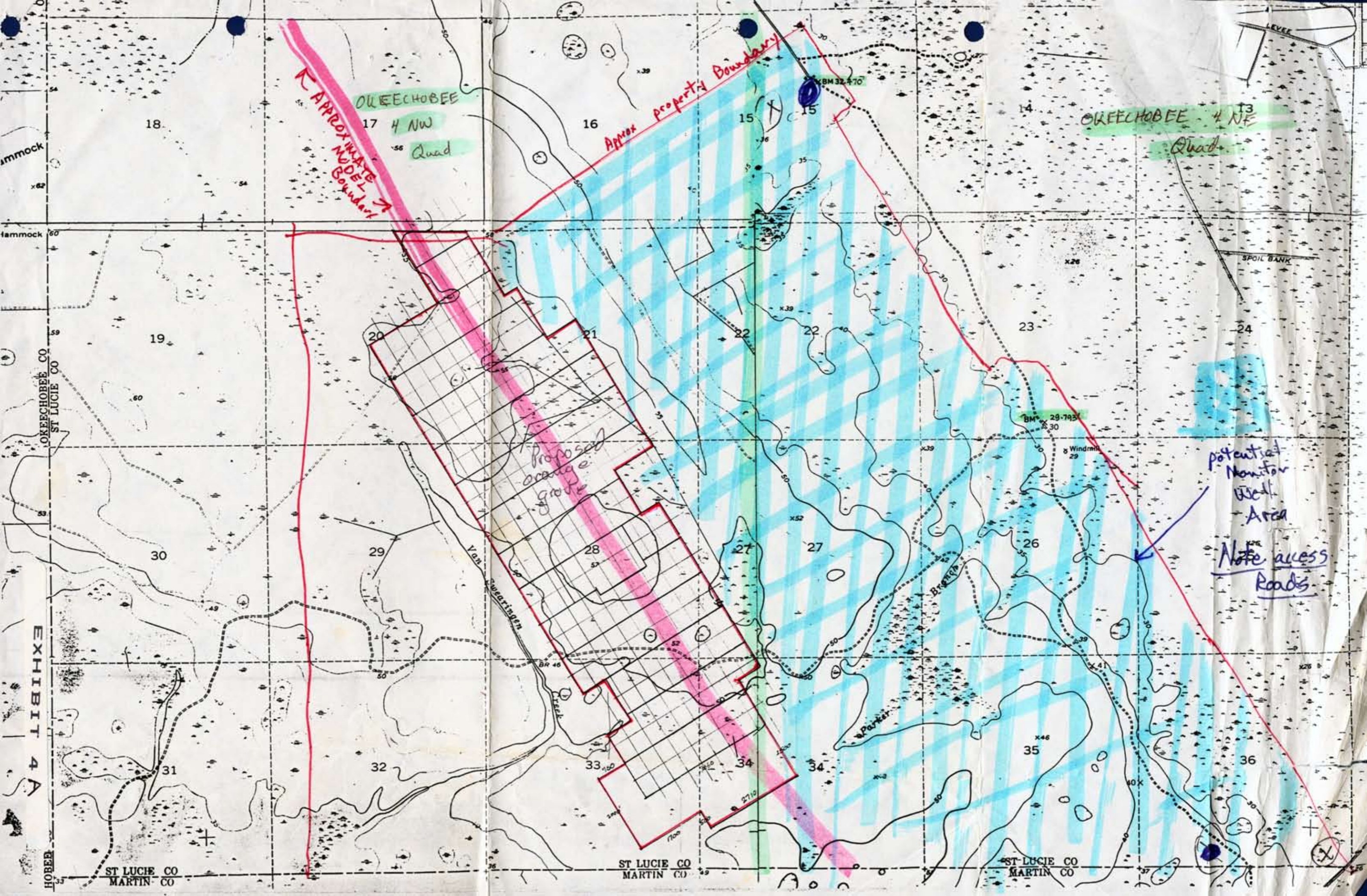
ST. LUCIE CO.

MARTIN CO.



FIG. 1 PROJECT LOCATION MAP

(NOT TO SCALE)



APPROXIMATE MODEL Boundary

Approx. Property Boundary

OKEECHOBEE  
17 4 NW  
Quad

OKEECHOBEE 4 NE  
Quad

Proposed orange grove

potential Monitor Well Area  
Note access Roads

EXHIBIT 4A

ST LUCIE CO  
MARTIN CO

ST LUCIE CO  
MARTIN CO

ST LUCIE CO  
MARTIN CO



FORM 0395  
Rev. 10/87

SOUTH FLORIDA WATER MANAGEMENT DISTRICT

WELL LOG

WELL LOCATION

County ST. LUCIE  
Station I. D. 1110000074  
Date 4/24/90 Well No. SLMW230  
Latitude 27°15'34" Longitude 80°37'25"  
NW SE NW Section 15 Township 36S Range 37E  
Owner S.F.W.M.D. Phone \_\_\_\_\_  
Driller T. LUBRANO Date Drilled 4/24/90

WELL CONSTRUCTION

Drilling Method: Rot.  Air  CT  Auger  Other \_\_\_\_\_  
T. Depth - Driller 322' T. Depth - Logger 322'  
Casing Depth Driller \_\_\_\_\_ Casing Depth Logger \_\_\_\_\_  
Bit Size 5 7/8" Casing Dia. I.D. \_\_\_\_\_  
Hole Dia. 6" From 0' To 322' Dia. \_\_\_\_\_ From \_\_\_\_\_ To \_\_\_\_\_  
Type of Casing P.V.C. Casing Thickness \_\_\_\_\_  
Type of Screen P.V.C. Screen Int. From 32' To 42'  
Type of Packing \_\_\_\_\_ Well Use MONITOR  
Static Water Level \_\_\_\_\_ Date \_\_\_\_\_  
Yield Flow \_\_\_\_\_ Pump \_\_\_\_\_

DATUM

K.B. \_\_\_\_\_ L.S. 0.0' T.O.C. \_\_\_\_\_

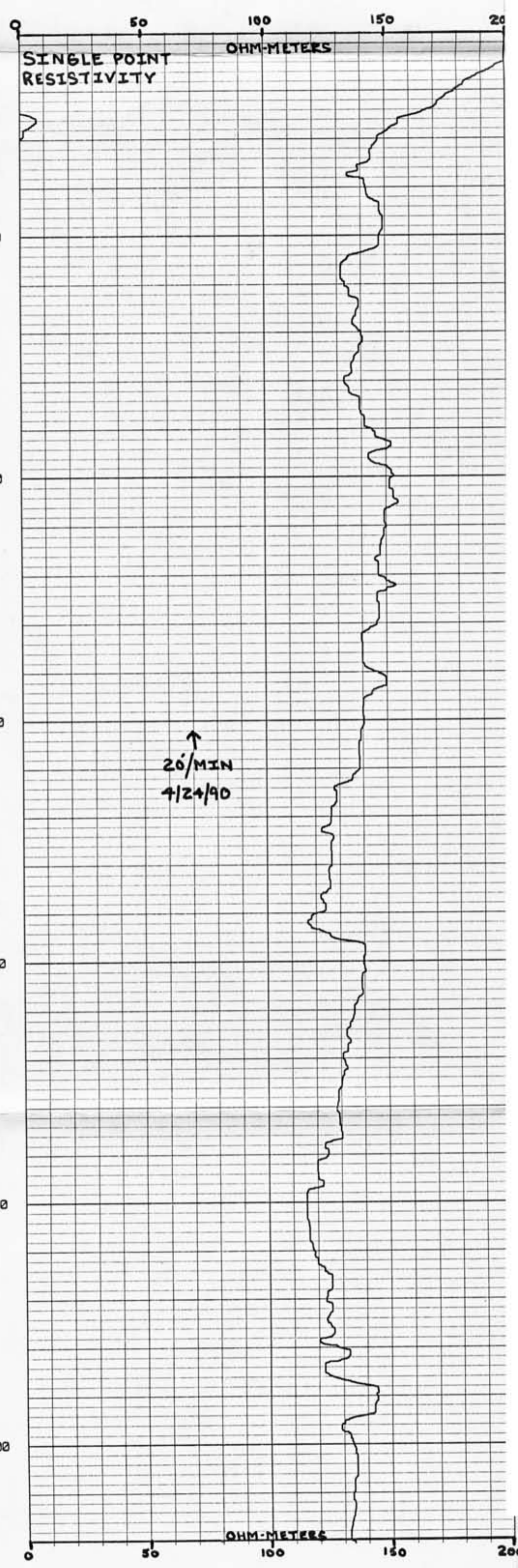
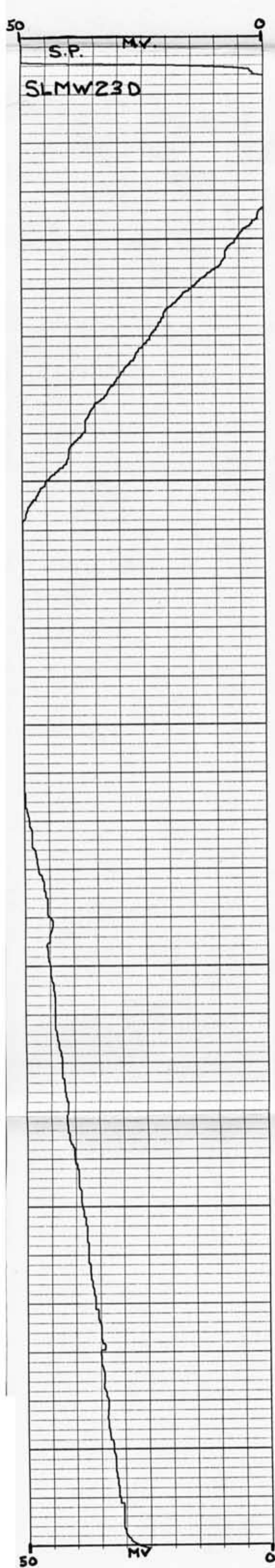
FLUID QUALITY

Date \_\_\_\_\_ Time \_\_\_\_\_ Source of Sample \_\_\_\_\_  
Cl \_\_\_\_\_ mg/l Type of Fluid \_\_\_\_\_  
Temp. \_\_\_\_\_ °C Field Density \_\_\_\_\_ @ \_\_\_\_\_ °C  
T.D.S. \_\_\_\_\_ mg/l Spec. Cond. \_\_\_\_\_ µmhos/cm  
Logged By: E.P. DAUENHAUER Witnessed By: D. DEMONSTRANTZ

Comments: WELL WAS CASED & SCREENED AFTER LOGGING.

TYPE OF SURVEYS RUN

Lateral 6'	( )	Density	(X)
Caliper	(X)	ccl	( )
Flow meter	( )	Fluid Sampler	( )
16", 64" normals	(X)	Temperature	( )
Neutron	(X)	Delta Temp.	( )
Natural Gamma	(X)	SP	(X)
Fluid Resistivity	( )	Single Point	(X)





FORM 0395  
Rev. 10/87

### SOUTH FLORIDA WATER MANAGEMENT DISTRICT

#### WELL LOG

#### WELL LOCATION

County ST. LUCIE  
 Station I. D. 1110000074  
 Date 4/24/90 Well No. SLMW230  
 Latitude 27°15'34" Longitude 80°37'25"  
NW 1/4 SE 1/4 NW 1/4 Section 15 Township 36S Range 37E  
 Owner S.F.W.M.D. Phone \_\_\_\_\_  
 Driller T. LUBRANO Date Drilled 4/24/90

#### WELL CONSTRUCTION

Drilling Method: Rot.  Air  CT  Auger  Other \_\_\_\_\_  
 T. Depth - Driller 322' T. Depth - Logger 322'  
 Casing Depth Driller \_\_\_\_\_ Casing Depth Logger \_\_\_\_\_  
 Bit Size 5 7/8" Casing Dia. I.D. \_\_\_\_\_  
 Hole Dia. 6" From 0' To 322' Dia. \_\_\_\_\_ From \_\_\_\_\_ To \_\_\_\_\_  
 Type of Casing P.V.C. Casing Thickness \_\_\_\_\_  
 Type of Screen P.V.C. Screen Int. From 32' To 42'  
 Type of Packing \_\_\_\_\_ Well Use MONITOR  
 Static Water Level \_\_\_\_\_ Date \_\_\_\_\_  
 Yield Flow \_\_\_\_\_ Pump \_\_\_\_\_

#### DATUM

K.B. \_\_\_\_\_ L.S. 0.0' T.O.C. \_\_\_\_\_

#### FLUID QUALITY

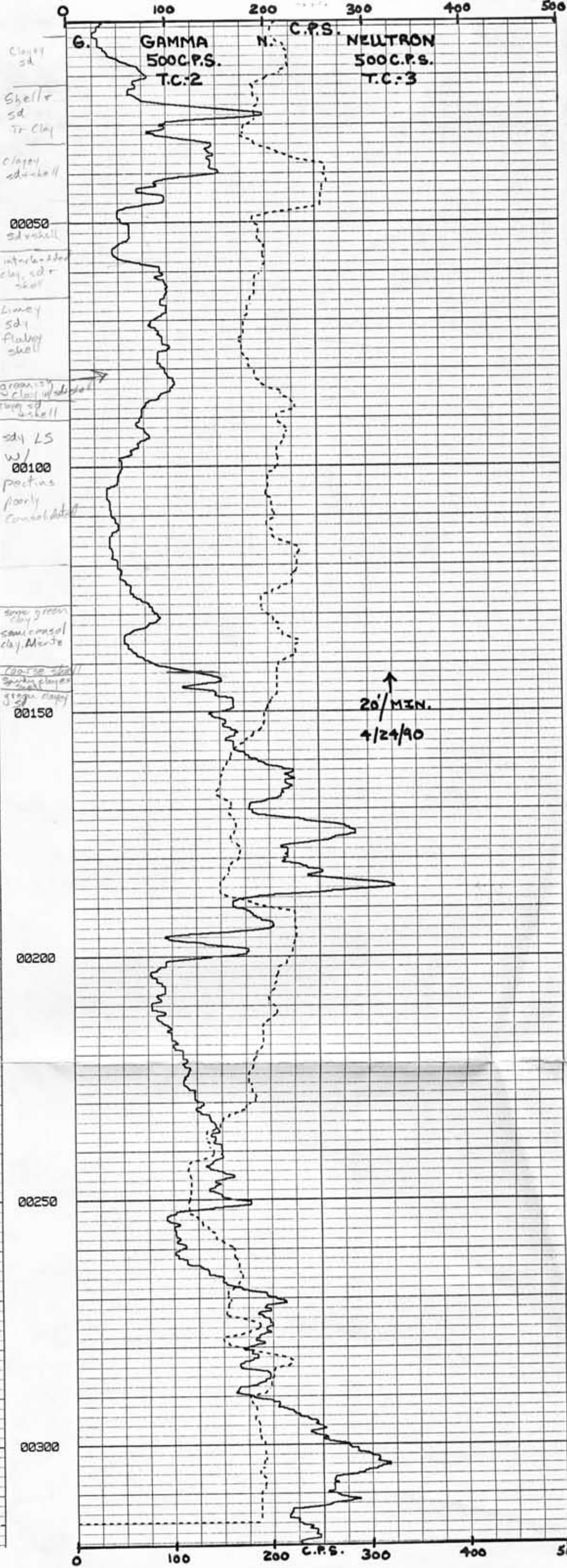
Date \_\_\_\_\_ Time \_\_\_\_\_ Source of Sample \_\_\_\_\_  
 Cl \_\_\_\_\_ mg/l Type of Fluid \_\_\_\_\_  
 Temp. \_\_\_\_\_ °C Field Density \_\_\_\_\_ @ \_\_\_\_\_ °C  
 T.D.S. \_\_\_\_\_ mg/l Spec. Cond. \_\_\_\_\_ µmhos/cm  
 Logged By: E.P. DAUENHAUER Witnessed By: D. DEMONSTRANTZ

Comments: WELL WAS CASED & SCREENED AFTER LOGGING.

#### TYPE OF SURVEYS RUN

Lateral 6'	( )	Density	(X)
Caliper	(X)	ccl	( )
Flow meter	( )	Fluid Sampler	( )
16", 64" normals	(X)	Temperature	( )
Neutron	(X)	Delta Temp.	( )
Natural Gamma	(X)	SP	( )
Fluid Resistivity	( )	Single Point	(X)

SLMW230





FORM 0395  
Rev. 10/87

SOUTH FLORIDA WATER MANAGEMENT DISTRICT

WELL LOG

WELL LOCATION

County ST. LUCIE  
Station I. D. 1110000074  
Date 4/24/90 Well No. SLMW230  
Latitude 27°15'34" Longitude 80°37'25"  
NW SE NW Section 15 Township 36S Range 37E  
Owner S.F.W.M.D. Phone \_\_\_\_\_  
Driller T. LUBRANO Date Drilled 4/24/90

WELL CONSTRUCTION

Drilling Method: Rot.  Air  CT  Auger  Other \_\_\_\_\_  
T. Depth - Driller 322' T. Depth - Logger 322'  
Casing Depth Driller \_\_\_\_\_ Casing Depth Logger \_\_\_\_\_  
Bit Size 5 7/8" Casing Dia. I.D. \_\_\_\_\_  
Hole Dia. 6" From 0' To 322' Dia. \_\_\_\_\_ From \_\_\_\_\_ To \_\_\_\_\_  
Type of Casing P.V.C. Casing Thickness \_\_\_\_\_  
Type of Screen P.V.C. Screen Int. From 32' To 42'  
Type of Packing \_\_\_\_\_ Well Use MONITOR  
Static Water Level \_\_\_\_\_ Date \_\_\_\_\_  
Yield Flow \_\_\_\_\_ Pump \_\_\_\_\_

DATUM

K.B. \_\_\_\_\_ L.S. 0.0' T.O.C. \_\_\_\_\_

FLUID QUALITY

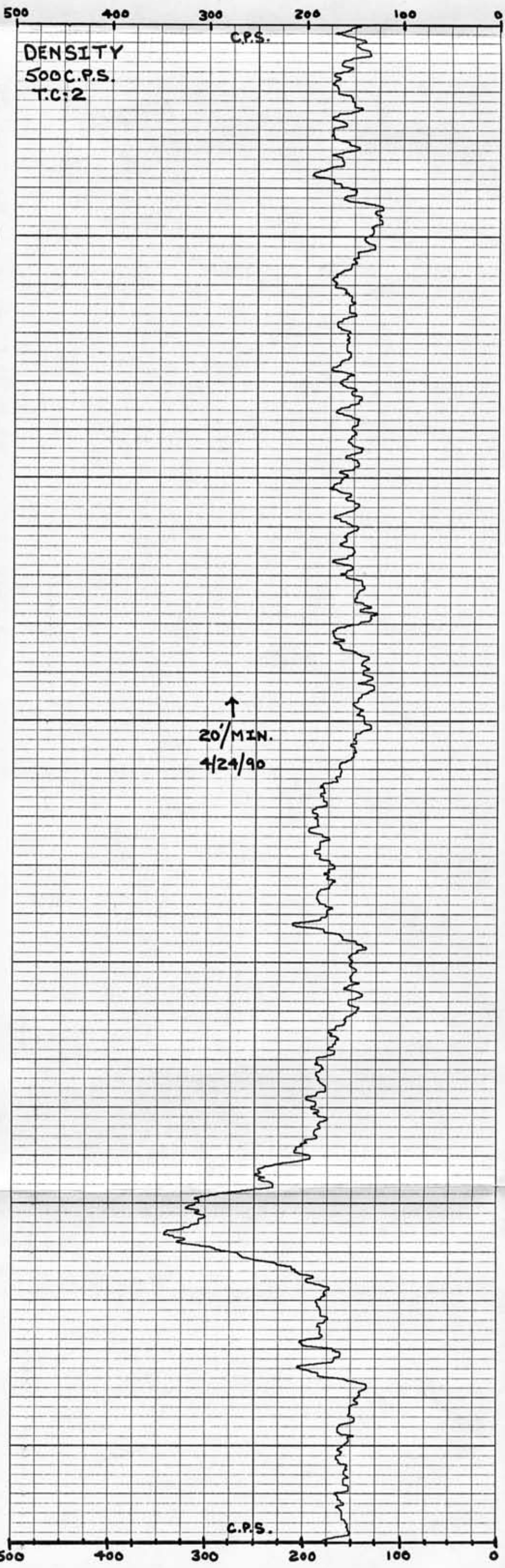
Date \_\_\_\_\_ Time \_\_\_\_\_ Source of Sample \_\_\_\_\_  
Cl \_\_\_\_\_ mg/l Type of Fluid \_\_\_\_\_  
Temp. \_\_\_\_\_ °C Field Density \_\_\_\_\_ @ \_\_\_\_\_ °C  
T.D.S. \_\_\_\_\_ mg/l Spec. Cond. \_\_\_\_\_ µmhos/cm  
Logged By: E.P. DAUENHAUER Witnessed By: D. DEMONSTRANTZ

Comments: WELL WAS CASED & SCREENED AFTER LOGGING.

TYPE OF SURVEYS RUN

Lateral 6'	( )	Density	(X)
Caliper	(X)	ccl	( )
Flow meter	( )	Fluid Sampler	( )
16", 64" normals	(X)	Temperature	( )
Neutron	(X)	Delta Temp.	( )
Natural Gamma	(X)	SP	(X)
Fluid Resistivity	( )	Single Point	(X)

SLMW23D







FORM 0395  
Rev. 10/87

SOUTH FLORIDA WATER MANAGEMENT DISTRICT

WELL LOG

WELL LOCATION

County ST. LUCIE

Station I. D. 1110000074

Date 4/24/90 Well No. SLMW230

Latitude 27° 15' 34" Longitude 80° 37' 25"

NW 1/4 SE 1/4 NW 1/4 Section 15 Township 36S Range 37E

Owner S.F.W.M.D. Phone \_\_\_\_\_

Driller T. LUBRANO Date Drilled 4/24/90

WELL CONSTRUCTION

Drilling Method: Rot.  Air  CT  Auger  Other \_\_\_\_\_

T. Depth - Driller 322' T. Depth - Logger 322'

Casing Depth Driller \_\_\_\_\_ Casing Depth Logger \_\_\_\_\_

Bit Size 5 7/8" Casing Dia. I.D. \_\_\_\_\_

Hole Dia. 6" From 0' To 322' Dia. \_\_\_\_\_ From \_\_\_\_\_ To \_\_\_\_\_

Type of Casing P.V.C. Casing Thickness \_\_\_\_\_

Type of Screen P.V.C. Screen Int. From 32' To 42'

Type of Packing \_\_\_\_\_ Well Use MONITOR

Static Water Level \_\_\_\_\_ Date \_\_\_\_\_

Yield Flow \_\_\_\_\_ Pump \_\_\_\_\_

DATUM

K.B. \_\_\_\_\_ L.S. 0.0' T.O.C. \_\_\_\_\_

FLUID QUALITY

Date \_\_\_\_\_ Time \_\_\_\_\_ Source of Sample \_\_\_\_\_

Cl \_\_\_\_\_ mg/l Type of Fluid \_\_\_\_\_

Temp. \_\_\_\_\_ °C Field Density \_\_\_\_\_ @ \_\_\_\_\_ °C

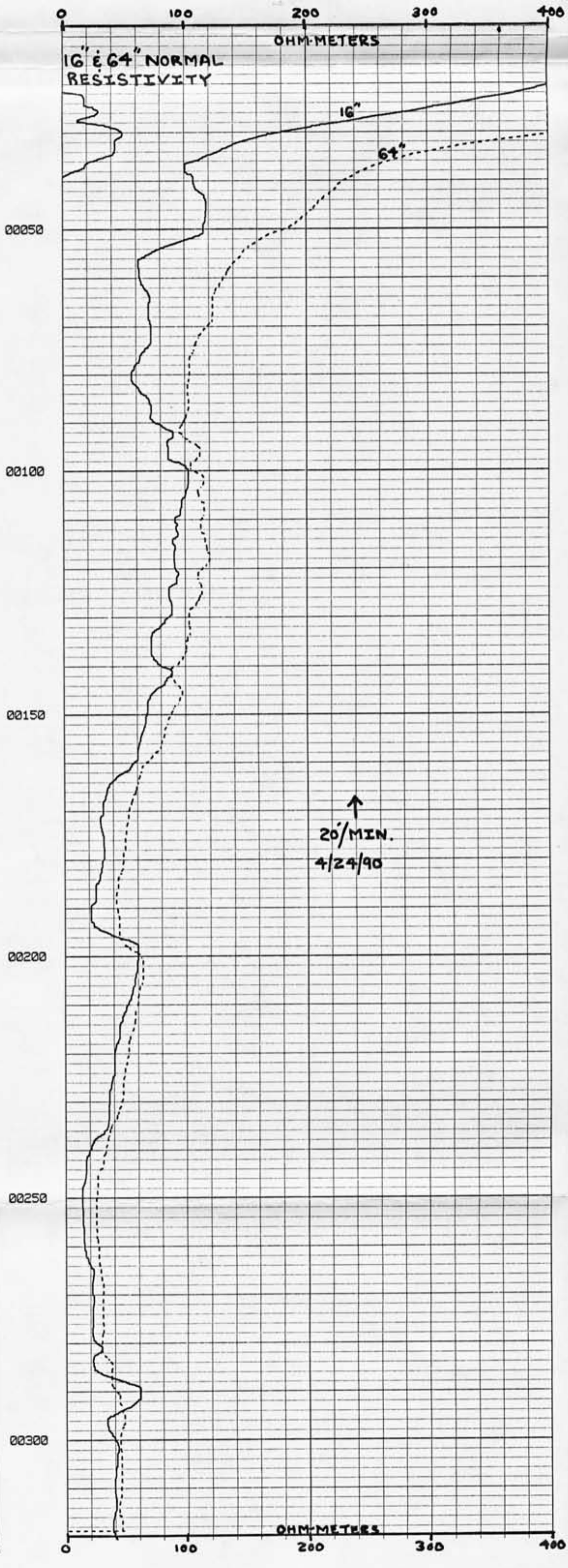
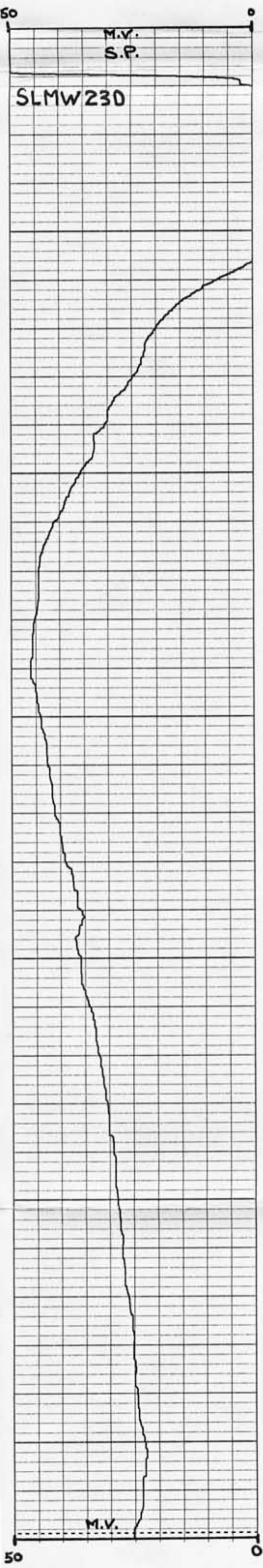
T.D.S. \_\_\_\_\_ mg/l Spec. Cond. \_\_\_\_\_ μmhos/cm

Logged By: E.P. DAUENHAUER Witnessed By: D. DEMONSTRANTZ

Comments: WELL WAS CASED & SCREENED AFTER LOGGING.

TYPE OF SURVEYS RUN

Lateral 6'	( )	Density	(X)
Caliper	(X)	ccl	( )
Flow meter	( )	Fluid Sampler	( )
16", 64" normals	(X)	Temperature	( )
Neutron	(X)	Delta Temp.	( )
Natural Gamma	(X)	SP	(X)
Fluid Resistivity	( )	Single Point	(X)





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WELL LOG

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Type of Screen P.V.C. Screen Int. From 32' To 42'  
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Static Water Level \_\_\_\_\_ Date \_\_\_\_\_  
Yield Flow \_\_\_\_\_ Pump \_\_\_\_\_

DATUM

K.B. \_\_\_\_\_ L.S. 0.0' T.O.C. \_\_\_\_\_

FLUID QUALITY

Date \_\_\_\_\_ Time \_\_\_\_\_ Source of Sample \_\_\_\_\_  
Cl \_\_\_\_\_ mg/l Type of Fluid \_\_\_\_\_  
Temp. \_\_\_\_\_ °C Field Density \_\_\_\_\_ @ \_\_\_\_\_ °C  
T.D.S. \_\_\_\_\_ mg/l Spec. Cond. \_\_\_\_\_ μmhos/cm  
Logged By: E.P. DAUENHAUER Witnessed By: D. DEMONSTRANTZ  
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TYPE OF SURVEYS RUN

Lateral 6'	( )	Density	(X)
Caliper	(X)	ccl	( )
Flow meter	( )	Fluid Sampler	( )
16", 64" normals	(X)	Temperature	( )
Neutron	(X)	Delta Temp.	( )
Natural Gamma	(X)	SP	( )
Fluid Resistivity	( )	Single Point	(X)

SLMW23D

CALIPER

2" 4" 6" 8" 10" 12"  
HOLE DIA.

00050

00100

00150

00200

00250

00300

↑  
20'/MIN  
4/24/90

