

July 18, 1996

K R Basin Division

4 FAS

9 SAS

Kissimmee River Basin Division Dave Gilbin (Spray)

Rob Szwarczewski (w/working)

Kiss Basin Water Supply plan out in
fall

Dave GH use existing tools

Orange model will be used

1990 and 2010 runs USGS contract

St Johns, SFVY + GS developed the model

Non Model evaluation of other countries

Water balance improved over time

no demand

Productivity, capacity of aquifer

Land use (proj)

GW/SVP, Lakes + wells relationships

level of urgency (don't need models)

plan on info that is available

will need help in interpreting GS drawdown predictions

(How significant are results)

SJR maps showed high drawdowns in our district

GS will rerun model with our projections

* Can projected withdrawal levels be supported (answer without a model?)

* Work plan for KRR To David Gopin Hudson

QW data for Emily
Previous + GWIS

St. Johns Needs + Sources

2004 District Water Management Plan
2006

well data near lakes

Areas where we are con
(Areas of Interest)

May not be possible to set minimum
flows and deficits without model

5/6/96

Hydrogeologic Data Collection

Data Interpret / Reporting

Tech Support

External Support

Administrative Support

Research and Modeling

Customers

5/6/95

Staff Meeting

25 positions New Budget is tight

2-3 weeks for move

Science + Eng Job study

Thursday 25 Th. of April implement

— Business Card request

1

— New Pans (air categories)

New Pans in Sept.

reverse appraisal

Safety awards May 17

Divisional Reorg

4 groups

Internet Training

6/5/96

Sam Teal

Multiple retrieval

PGP Pretty Good Privacy
clipper

<http://www.switchboard.com/bin/cgiga.dll>

FTP

PC NFS ICON
need server name

"Hydrographs"

50 SHEETS
22-141
100 SHEETS
22-142
200 SHEETS
22-144
AMRAD

1. Somerset <ICONT> ← Amersand
2. Somerset % xterm &
3. Go To in xofware shell tool
4. Click on Options
5. Click on Mouse
6. Click on on 3-button Mouse Emulation OK
7. At the xterm window Somerset % itelnet sfmia.ev.usgs.gov
8. OK, Login
9. user id: switanek
10. Psswd:
11. OK, adaps
12. ↘
13. CTRL both ^{DEPRESS} buttons on mouse
14. Show TEK WINDOW ↗ ↘ ↙ ↚
15. Go back to xterm WINDOW
16. DI
17. 4 PlotWAT
18. PL XTerm (X) CR
19. R
20. A add
21. D Adaps daily value data CR, IV
22. ST STATION G-3356 (see milts book for stations)
23. SC ~~SC~~ C---1004 Right Just
24. S I enter
25. A G-#613
26. P Plot Time series data
27. Starting date 01/01/90
28. Ending date 01/01/96
29. See the Plot

"Tek Plotter Snapshot"

- Go TO Programs "
- ↳ highlight "Snap-shot"
 - ↳ Take the snapshot V3 screen out of the view you want plotted (out of the hydrograph)
 - ↳ hit Snap then tag the hydrograph or tektronix view
 - ↳ tag PRINT, SNAP
 - ↳ should say "snap succeeded"



FORM 0395
Rev. 10/87

SOUTH FLORIDA WATER MANAGEMENT DISTRICT

WELL LOG

WELL LOCATION

County OKEECHOBEE

Station I. D. 0930000057

Date 12/13/90 Well No. OKF-81

Latitude 27° 30' 25" Longitude 81° 07' 44"

NE 1/4 SW 1/4 NE 1/4 Section 21 Township 34S Range 32E

Owner S.F.W.M.D. Phone 407 686-8800

Driller T. LUBRANO Date Drilled _____

WELL CONSTRUCTION

Drilling Method: Rot. Air CT Auger _____ Other _____

T. Depth - Driller 782' T. Depth - Logger 782'

Casing Depth Driller 340' Casing Depth Logger 340'

Bit Size _____ Casing Dia. I.D. 7.85"

Hole Dia. 8" From 0' To 60' Dia. 6" From 60' To 340'

Type of Casing P.V.C. Casing Thickness 0.15"

Type of Screen OPEN HOLE Screen Int. From _____ To _____

Type of Packing _____ Well Use MONITOR

Static Water Level _____ Date _____

Yield Flow _____ Pump _____

DATUM _____ L.S. +55.0' T.O.C. +0.9'

FLUID QUALITY

Date _____ Time _____ Source of Sample _____

Cl _____ mg/l Type of Fluid _____

Temp. 26.3 °C Field Density _____ @ _____ °C

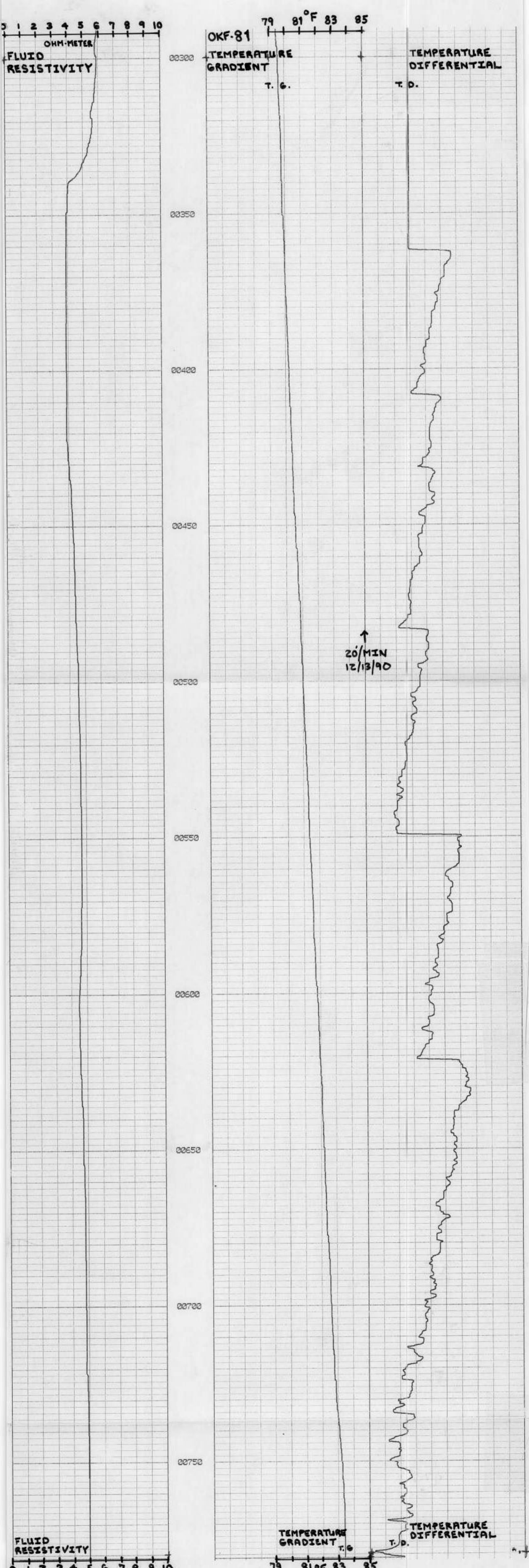
T.D.S. _____ mg/l Spec. Cond. _____ umhos/cm

Logged By: D. DEMONSTRANTI Witnessed By: E.P. DAUBENHAUER

Comments: PART. 3 OF 3

TYPE OF SURVEYS RUN

- | | | | |
|-------------------|-------------------------------------|---------------|-------------------------------------|
| Lateral 6' | <input checked="" type="checkbox"/> | Density | <input type="checkbox"/> |
| Calliper | <input checked="" type="checkbox"/> | cel | <input type="checkbox"/> |
| Flow meter | <input type="checkbox"/> | Fluid Sampler | <input type="checkbox"/> |
| 16", 64" normals | <input checked="" type="checkbox"/> | Temperature | <input checked="" type="checkbox"/> |
| Neutron | <input checked="" type="checkbox"/> | Delta Temp. | <input type="checkbox"/> |
| Natural Gamma | <input checked="" type="checkbox"/> | SP | <input checked="" type="checkbox"/> |
| Fluid Resistivity | <input checked="" type="checkbox"/> | Single pt. | <input checked="" type="checkbox"/> |





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SOUTH FLORIDA WATER MANAGEMENT DISTRICT

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NE 1/4 SW 1/4 NE 1/4 Section 21 Township 34S Range 32E

Owner S.F.W.M.D. Phone (904) 686-8800

Driller T. LUBRANO Date Drilled 6/6/90

WELL CONSTRUCTION

Drilling Method: Rot. Air CT Auger Other _____

T. Depth - Driller 422' T. Depth - Logger 422'

Casing Depth Driller 120' Casing Depth Logger _____

Bit Size 5 7/8" Casing Dia. I.D. 6"

Hole Dia. _____ From _____ To _____ Dia. _____ From _____ To _____

Type of Casing PVC Casing Thickness _____

Type of Screen OPENHOLE Screen Int. From _____ To _____

Type of Packing _____ Well Use MONITOR/A.R.T.

Static Water Level _____ Date _____

Yield Flow _____ Pump _____

DATUM

K.B. _____ L.S. +55.0' 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. _____ μ mhos/cm

Logged By: E. P. DAUENHAUER Witnessed By: C. BEYER

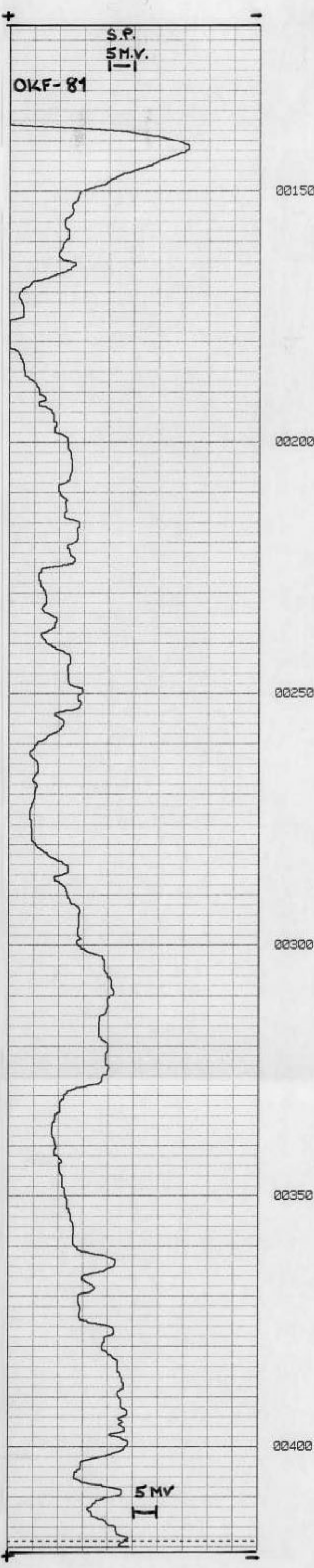
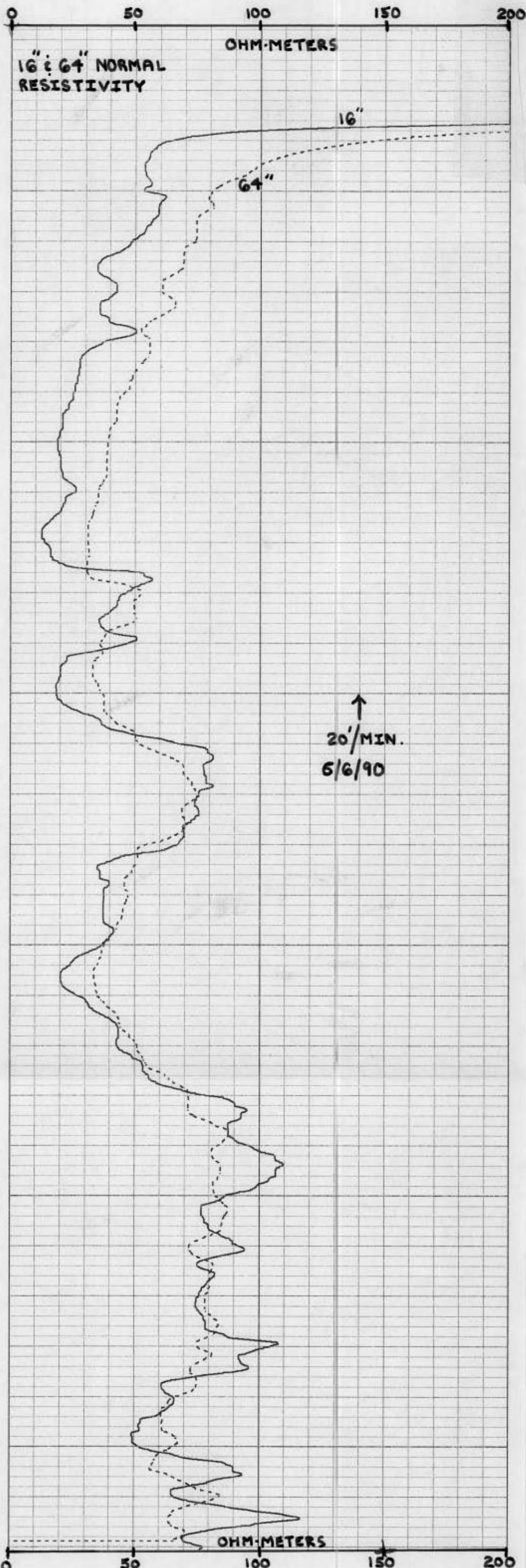
Comments: PART 2 OF 3

HOLES WAS REAMED OUT AND 10" CASING

WAS SET.

TYPE OF SURVEYS RUN

- | | | | |
|-------------------|-------------------------------------|---------------|-------------------------------------|
| Lateral 6' | <input checked="" type="checkbox"/> | Density | <input type="checkbox"/> |
| Calliper | <input type="checkbox"/> | accl | <input type="checkbox"/> |
| Flow meter | <input type="checkbox"/> | Fluid Sampler | <input type="checkbox"/> |
| 16" 64" normals | <input checked="" type="checkbox"/> | Temperature | <input type="checkbox"/> |
| Neutron | <input type="checkbox"/> | Delta Temp. | <input type="checkbox"/> |
| Natural Gamma | <input checked="" type="checkbox"/> | SP | <input checked="" type="checkbox"/> |
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K.B. _____ L.S. +55.0' T.O.C. _____

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Temp. _____ °C Field Density _____ @ _____ °C

T.D.S. _____ mg/l Spec. Cond. _____ μmhos/cm

Logged By: E.P. DAUBENHAUER Witnessed By: C. BEVIER

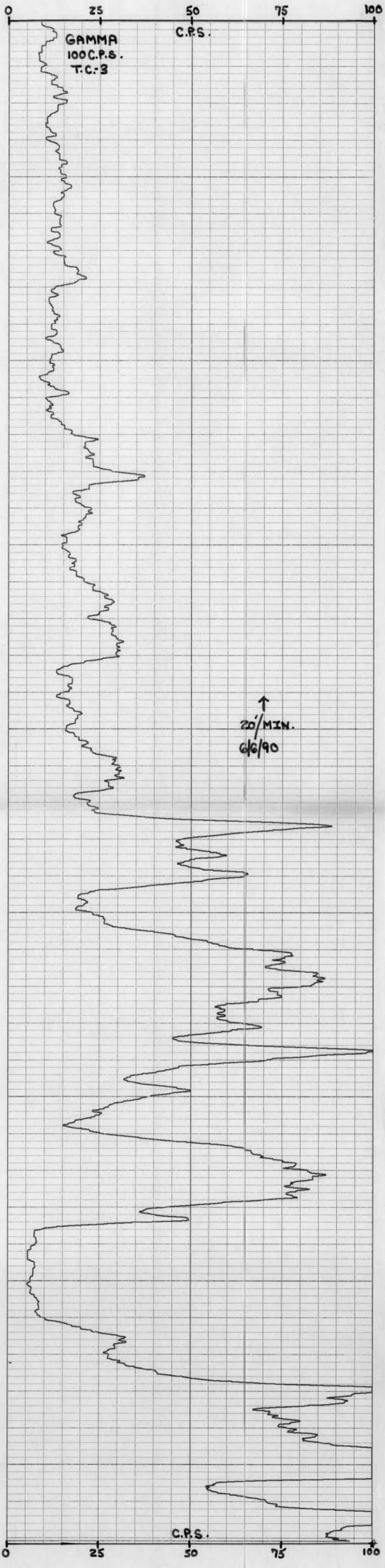
Comments: PART 2 OF 3

HOLES WAS REAMED OUT AND 10" CASING

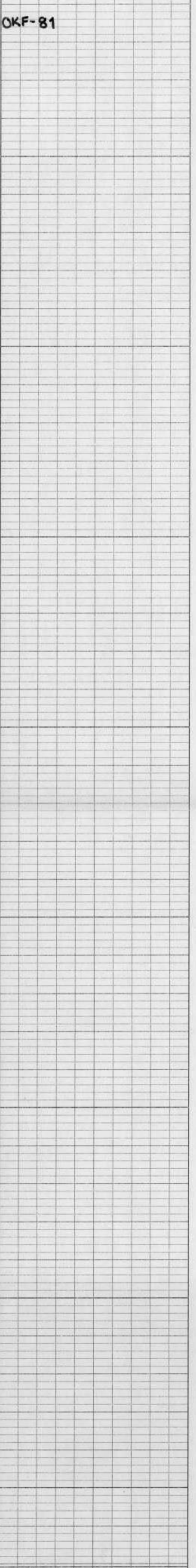
WAS SET.

TYPE OF SURVEYS RUN

- | | |
|--|---|
| <input checked="" type="checkbox"/> Lateral 6' | <input type="checkbox"/> Density |
| <input type="checkbox"/> Calliper | <input type="checkbox"/> ccl |
| <input type="checkbox"/> Flow meter | <input type="checkbox"/> Fluid Sampler |
| <input checked="" type="checkbox"/> 16", 64" normals | <input type="checkbox"/> Temperature |
| <input type="checkbox"/> Neutron | <input type="checkbox"/> Delta Temp. |
| <input checked="" type="checkbox"/> Natural Gamma | <input type="checkbox"/> SP |
| <input type="checkbox"/> Fluid Resistivity | <input type="checkbox"/> Single Pt. |
| <input type="checkbox"/> () | <input checked="" type="checkbox"/> (X) |



↑
20'/MIN.
6/6/90





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WELL LOG

WELL LOCATION

County OKEECHOBEE

Station I. D. 0930000057

Date 5/31/90 Well No. OKF-81

Latitude 27°-30'25" Longitude 81°-07'-44"

NE 1/4 SW 1/4 NE 1/4 Section 21 Township 34S Range 32E

Owner S.E.W.M.D. Phone (407) 686-8806

Driller T. LUBRANO Date Drilled 5/31/90

WELL CONSTRUCTION

Drilling Method: Rot. Air CT Auger Other

T. Depth - Driller 142' T. Depth - Logger 142'

Casing Depth Driller — Casing Depth Logger —

Bit Size 5 7/8" Casing Dia. I.D. —

Hole Dia. 6" From 0' To 140' Dia. From — To —

Type of Casing OPEN HOLE Casing Thickness —

Type of Screen OPEN HOLE Screen Int. From — To —

Type of Packing — Well Use MONITOR/A.P.T.

Static Water Level — Date —

Yield Flow — Pump —

DATUM

K.B. — L.S. +55.0' T.O.C. —

FLUID QUALITY

Date — Time — Source of Sample —

Cl — mg/l Type of Fluid —

Temp. — °C Field Density — @ — °C

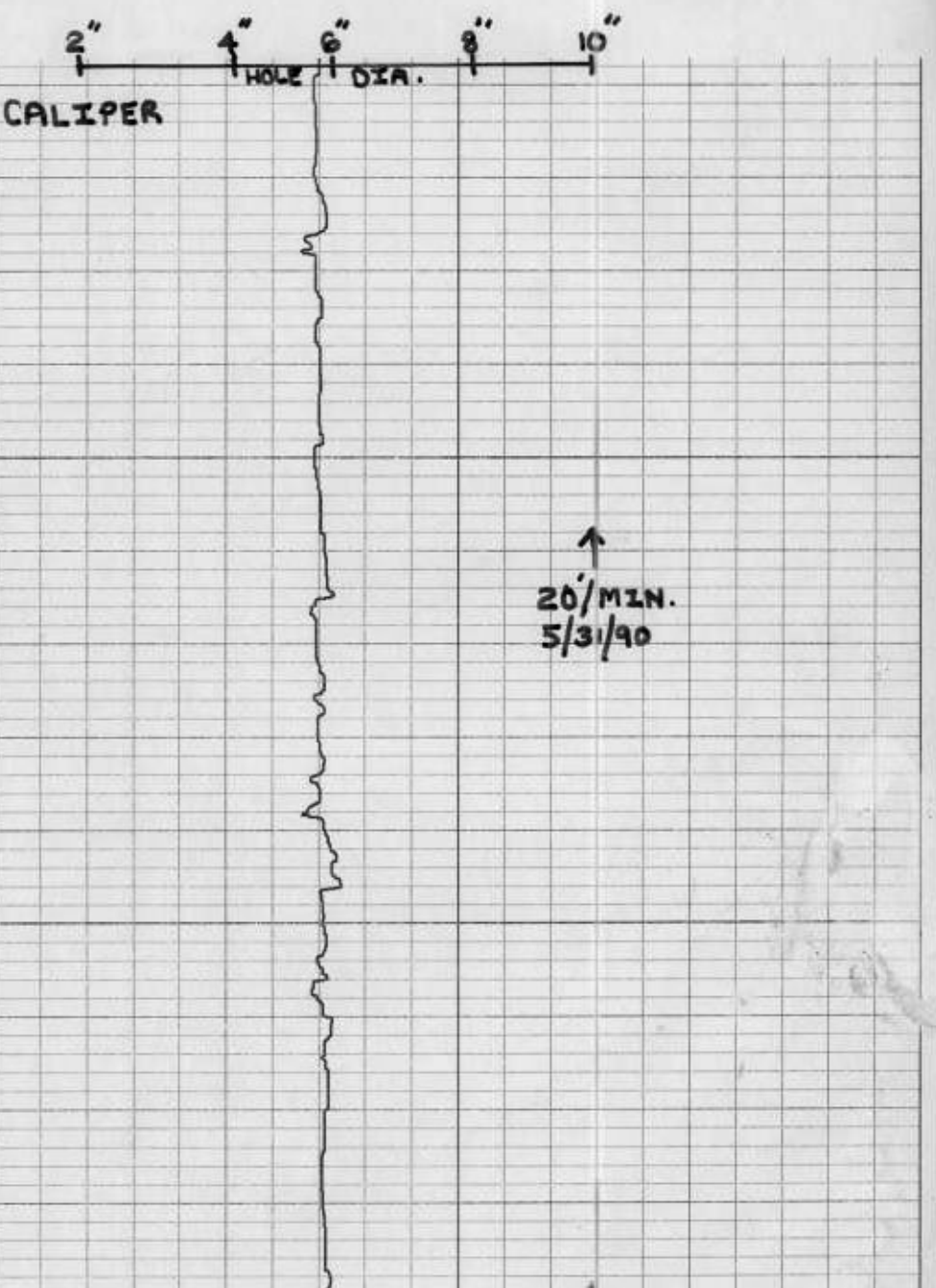
T.D.S. — mg/l Spec. Cond. — μmhos/cm

Logged By: E.P. DAMENHAUER Witnessed By: P. BENTON

Comments: PART 1 OF 3

TYPE OF SURVEYS RUN

- | | | | |
|-------------------|-------------------------------------|---------------|-------------------------------------|
| Lateral 6' | <input checked="" type="checkbox"/> | Density | <input type="checkbox"/> |
| Caliper | <input checked="" type="checkbox"/> | ool | <input type="checkbox"/> |
| Flow meter | <input type="checkbox"/> | Fluid Sampler | <input type="checkbox"/> |
| 16", 64" normals | <input checked="" type="checkbox"/> | Temperature | <input type="checkbox"/> |
| Neutron | <input type="checkbox"/> | Delta Temp. | <input type="checkbox"/> |
| Natural Gamma | <input checked="" type="checkbox"/> | SP | <input checked="" type="checkbox"/> |
| Fluid Resistivity | <input type="checkbox"/> | SINGLE PT. | <input checked="" type="checkbox"/> |



Depth (ft)	Caliper Reading (in)
0	6.0
5	5.8
10	6.2
15	5.9
20	6.1
25	5.7
30	6.3
35	5.8
40	6.0
45	5.9
50	6.1
55	5.8
60	6.2
65	5.9
70	6.0
75	5.8
80	6.1
85	5.9
90	6.2
95	5.8
100	6.0

OKF-81



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SOUTH FLORIDA WATER MANAGEMENT DISTRICT

WELL LOCATION

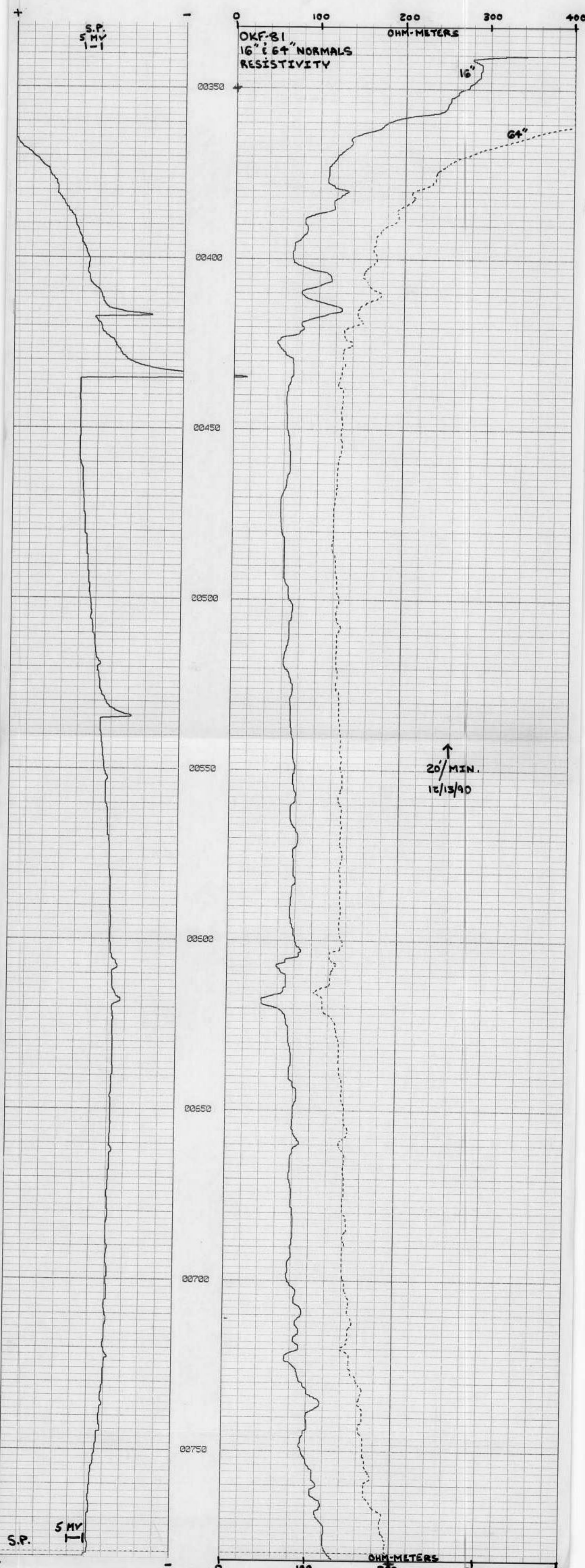
County OKEECHOBEE
 Station I. D. 0930000057
 Date 12/13/90 Well No. OKF-81
 Latitude 27° 30' 25" Longitude 81° 07' 44"
 NE $\frac{1}{4}$ SW $\frac{1}{4}$ NE $\frac{1}{4}$ Section 21 Township 34S Range 32E
 Owner S.F.W.M.D. Phone 407 686 3800
 Driller T. LUBRANO Date Drilled _____
 WELL CONSTRUCTION
 Drilling Method: Rot. Air CT Auger _____ Other _____
 T. Depth - Driller 782' T. Depth - Logger 782'
 Casing Depth Driller 340' Casing Depth Logger 340'
 Bit Size _____ Casing Dia. I.D. 7.85"
 Hole Dia. 8" From 0' To 60' Dia. 6" From 60' To 340'
 Type of Casing P.V.C. Casing Thickness 0.15"
 Type of Screen OPEN HOLE Screen Int. From _____ To _____
 Type of Packing _____ Well Use MONITOR
 Static Water Level _____ Date _____
 Yield Flow _____ Pump _____

WELL LOG

DATUM
 K.B. _____ L.S. +55.0' T.O.C. +0.9'
 FLUID QUALITY
 Date _____ Time _____ Source of Sample _____
 Cl _____ mg/l Type of Fluid _____
 Temp. 26.3 °C Field Density _____ @ _____ °C
 T.D.S. _____ mg/l Spec. Cond. _____ μ mhos/cm
 Logged By: D. DEMONSTRANTII Witnessed By: E.F. DAUBENHAUER
 Comments: PART. 3 OF 3

TYPE OF SURVEYS RUN
 Lateral 6'
 Caliper
 Flow meter
 16" 64" normals
 Neutron
 Natural Gamma
 Fluid Resistivity

Density _____
 ccl _____
 Fluid Sampler _____
 Temperature _____
 Delta Temp. _____
 SP _____
 Single Pt. _____





FORM 0395
REV. 10/87

SOUTH FLORIDA WATER MANAGEMENT DISTRICT

WELL LOG

WELL LOCATION

County OKEECHOBEE

Station I. D. 0930000057

Date 5/31/90 Well No. OKF-81

Latitude 27° 30' 25" Longitude 81° 07' 44"

NE 1/4 SW 1/4 NE 1/4 Section 21 Township 34S Range 32E

Owner S.E.W.M.D. Phone (407) 686-8806

Driller T. LUBRANO Date Drilled 5/31/90

WELL CONSTRUCTION

Drilling Method: Rot. Air CT Auger Other

T. Depth - Driller 142' T. Depth - Logger 142'

Casing Depth Driller — Casing Depth Logger —

Bit Size 5 7/8" Casing Dia. I.D. —

Hole Dia. 6" From 0' To 140' Dia. From — To —

Type of Casing OPENHOLE Casing Thickness —

Type of Screen OPENHOLE Screen Int. From — To —

Type of Packing — Well Use MONITOR/A.P.T.

Static Water Level — Date —

Yield Flow — Pump —

DATUM

K.B. — L.S. +55.0' T.O.C. —

FLUID QUALITY

Date — Time — Source of Sample —

Cl — mg/l Type of Fluid —

Temp. — °C Field Density — @ — °C

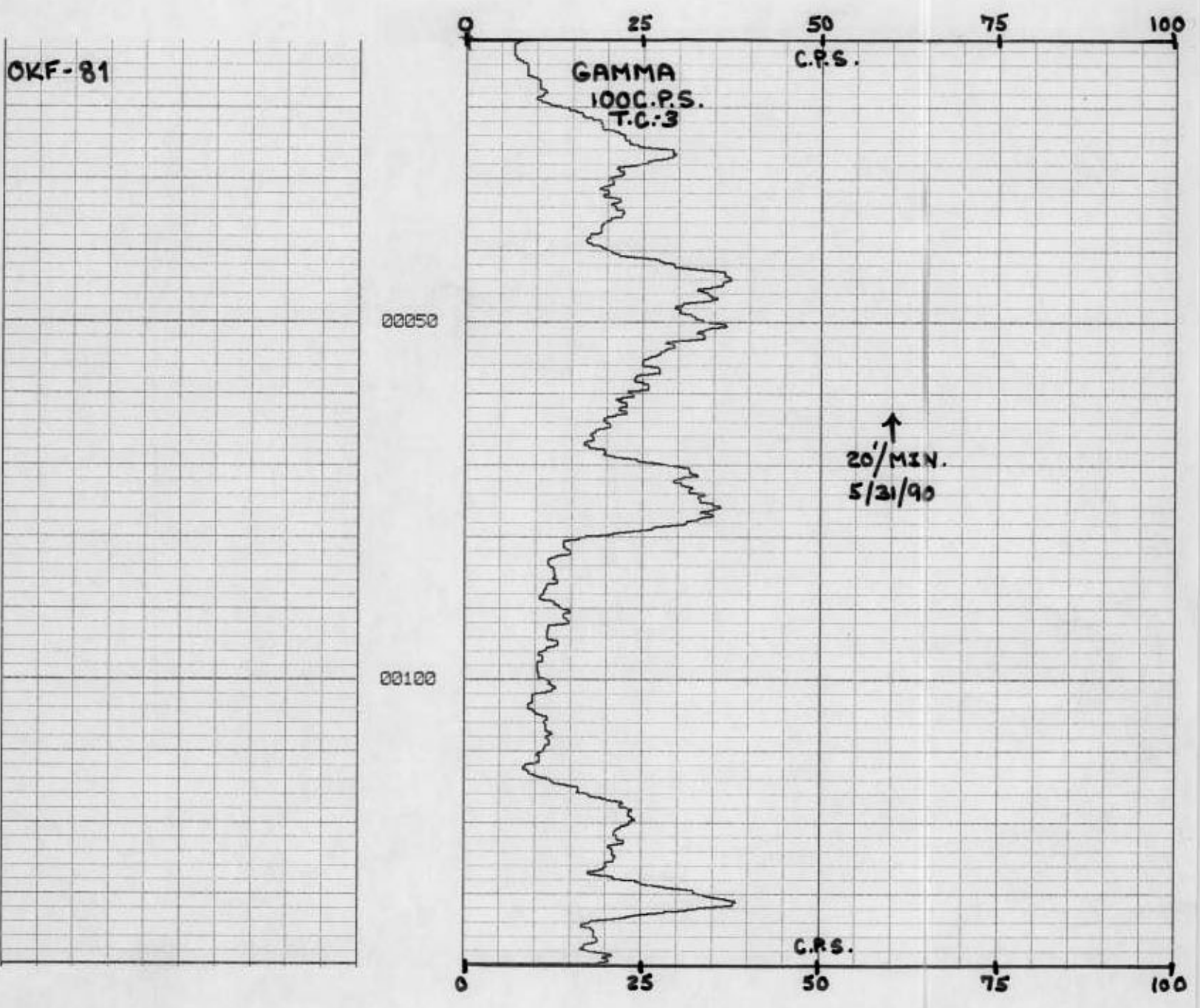
T.D.S. — mg/l Spec. Cond. — μmhos/cm

Logged By: E.P. DAUENHAUER Witnessed By: P. BENTON

Comments: PART 1 OF 3

TYPE OF SURVEYS RUN

- | | | | |
|-------------------|-------------------------------------|---------------|-------------------------------------|
| Lateral 6' | <input checked="" type="checkbox"/> | Density | <input type="checkbox"/> |
| Caliper | <input checked="" type="checkbox"/> | ocl | <input type="checkbox"/> |
| Flow meter | <input type="checkbox"/> | Fluid Sampler | <input type="checkbox"/> |
| 16", 64" normals | <input checked="" type="checkbox"/> | Temperature | <input type="checkbox"/> |
| Neutron | <input type="checkbox"/> | Delta T temp. | <input type="checkbox"/> |
| Natural Gamma | <input checked="" type="checkbox"/> | SP | <input type="checkbox"/> |
| Fluid Resistivity | <input type="checkbox"/> | SINGLE PT. | <input checked="" type="checkbox"/> |





FORM 0295
Rev. 10/87

SOUTH FLORIDA WATER MANAGEMENT DISTRICT

WELL LOG

WELL LOCATION

County OKEECHOBEE

Station I. D. 093000057

Date 12/13/90 Well No. OKF-81

Latitude 27° 30' 25" Longitude 81° 07' 44"

NE 1/4 SW 1/4 NE 1/4 Section 21 Township 34S Range 32E

Owner S.F.W.M.D. Phone 407 686-8800

Driller T. LUGGANO Date Drilled _____

WELL CONSTRUCTION

Drilling Method: Rot. Air CT Auger _____ Other _____

T. Depth - Driller 782' T. Depth - Logger 782'

Casing Depth Driller 340' Casing Depth Logger 340'

Bit Size _____ Casing Dia. I.D. 7.85"

Hole Dia. 8" From 0' To 60' Dia. 6" From 60' To 340'

Type of Casing P.V.C. Casing Thickness 0.15"

Type of Screen OPEN HOLE Screen Int. From _____ To _____

Type of Packing _____ Well Use MONITORING

Static Water Level _____ Date _____

Yield Flow _____ Pump _____

DATUM

K.B. _____ L.S. +55.0' T.O.C. +0.9'

FLUID QUALITY

Date _____ Time _____ Source of Sample _____

CI _____ mg/l Type of Fluid _____

Temp. 26.3 °C Field Density _____ @ _____ °C

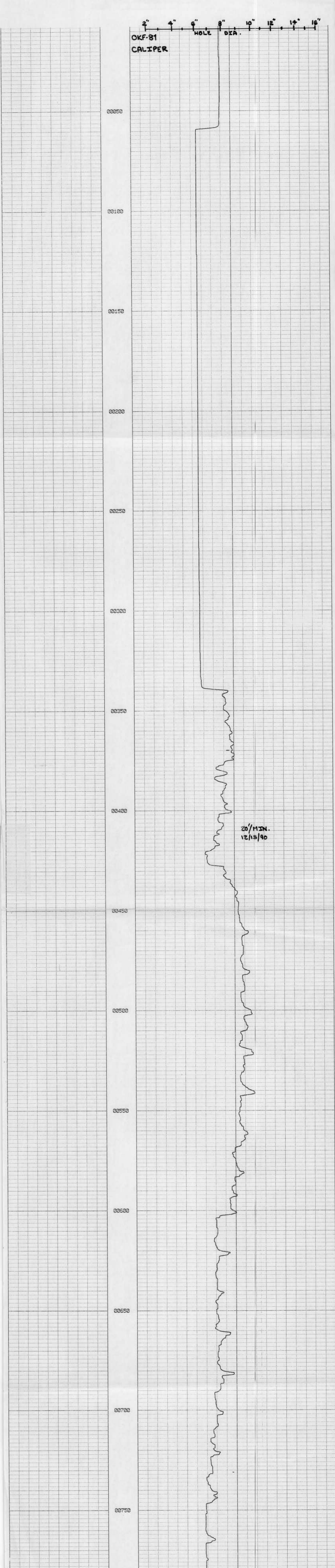
T.D.S. _____ mg/l Spec. Cond. _____ umhos/cm

Logged By: DEMONSTRANTE Witnessed By: E.P. DAUENHAEGER

Comments: PART 3 OF 3

TYPE OF SURVEYS RUN

- | | | | |
|-------------|-------------------------------------|-------------------|-------------------------------------|
| Lateral 6' | <input checked="" type="checkbox"/> | Density | <input type="checkbox"/> |
| Calliper | <input checked="" type="checkbox"/> | Fluid Sampler | <input type="checkbox"/> |
| Flow meter | <input type="checkbox"/> | 16" 64" normals | <input type="checkbox"/> |
| Temperature | <input type="checkbox"/> | Neutron | <input type="checkbox"/> |
| Delta Temp. | <input type="checkbox"/> | Natural Gamma | <input type="checkbox"/> |
| SP | <input type="checkbox"/> | Fluid Resistivity | <input checked="" type="checkbox"/> |
| Single pt. | <input checked="" type="checkbox"/> | | |





FORM 0395
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WELL CONSTRUCTION

Drilling Method: Rot. Air CT Auger _____ Other _____

T. Depth - Driller 782' T. Depth - Logger 782'

Casing Depth Driller 340' Casing Depth Logger 340'

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Type of Screen OPEN HOLE Screen Int. From _____ To _____

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FLUID QUALITY _____ Date _____ Time _____ Source of Sample _____

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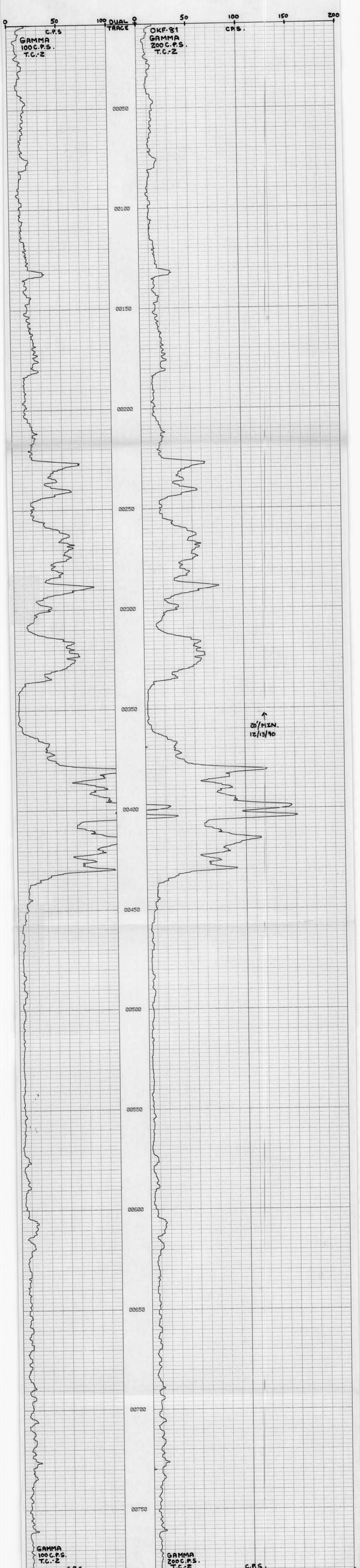
T.D.S. _____ mg/l _____ Spec. Cond. _____ umhos/cm

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

Comments: PART 3 OF 3

TYPE OF SURVEYS RUN

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|-------------------|-------------------------------------|---------------|-------------------------------------|
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| Caliper | <input checked="" type="checkbox"/> | col | <input type="checkbox"/> |
| Flow meter | <input type="checkbox"/> | Fluid Sampler | <input type="checkbox"/> |
| 16" 64" normals | <input checked="" type="checkbox"/> | Temperature | <input checked="" type="checkbox"/> |
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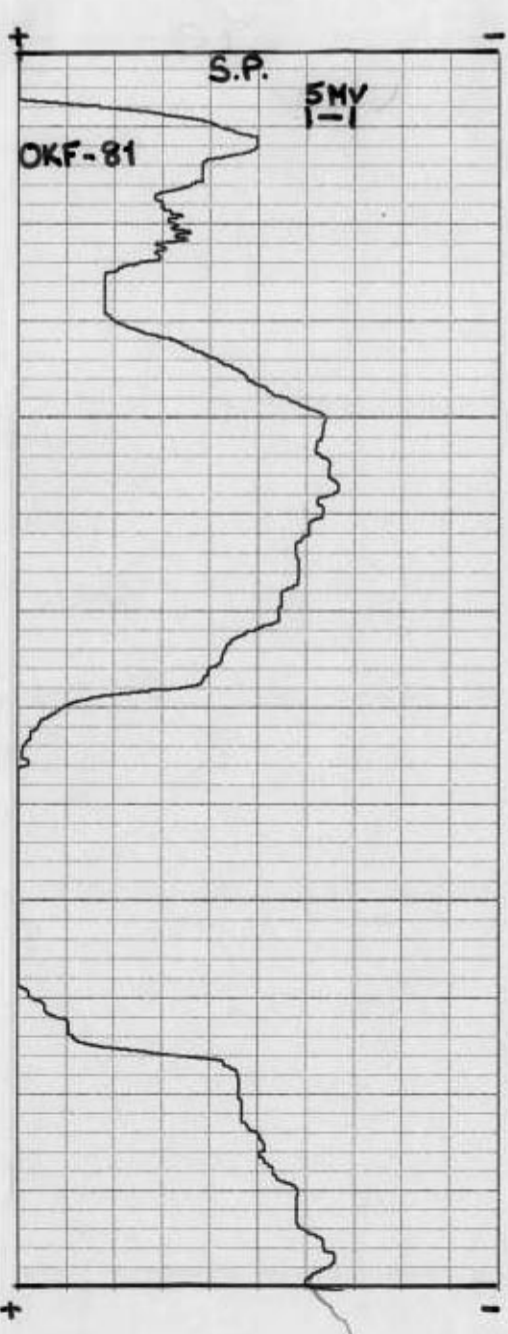
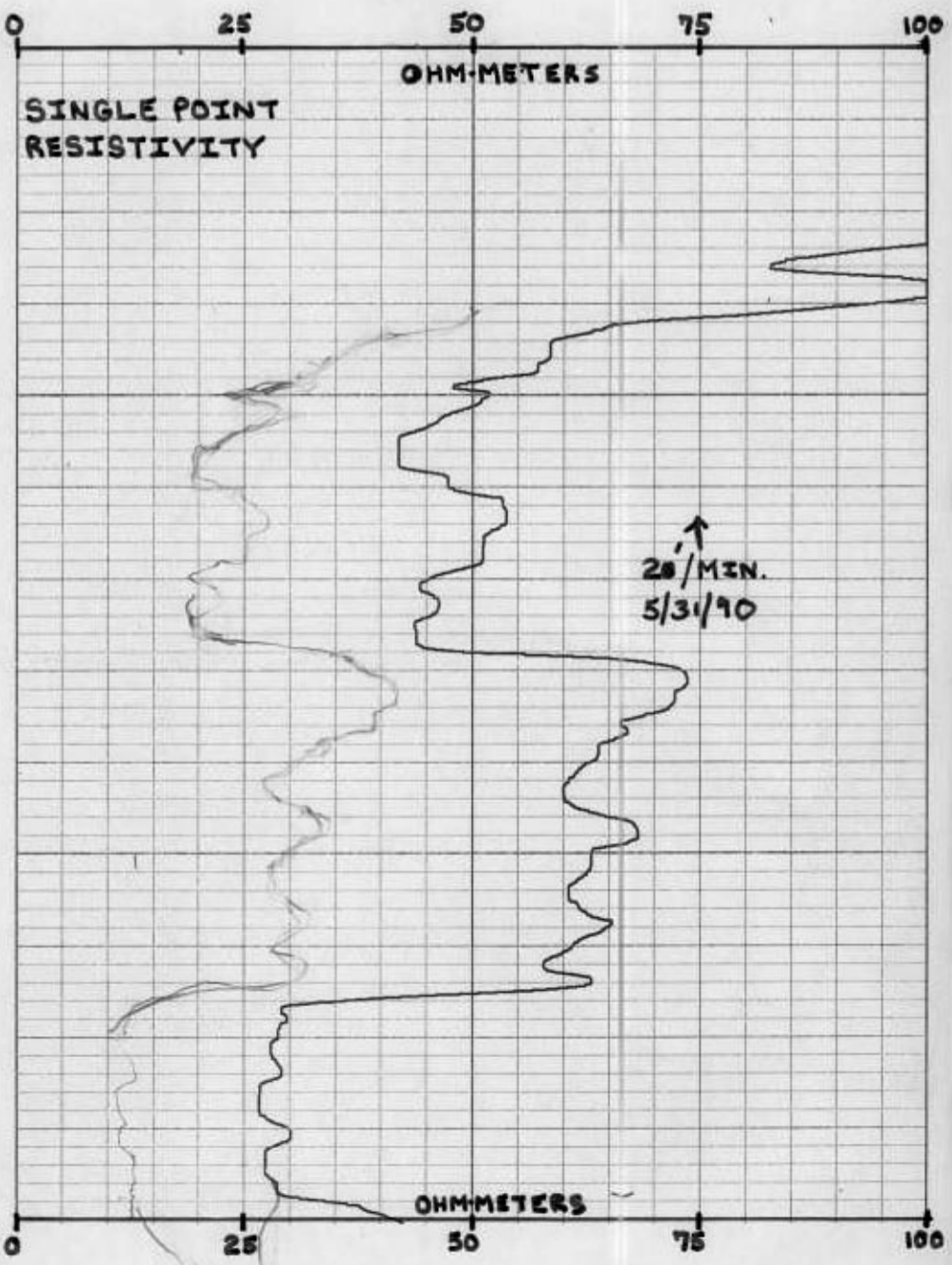
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Logged By: E.P. DAUENHAUER Witnessed By: P. BENTON

Comments: PART 1 OF 3

TYPE OF SURVEYS RUN

- Lateral 6'
- Caliper
- Flow meter
- 16", 64" normals
- Neutron
- Natural Gamma
- Fluid Resistivity
- Density
- ocl
- Fluid Sampler
- Temperature
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Hole Dia. From To Dia. From To

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Type of Packing Well Use MONITOR/A.P.T.

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Yield Flow Pump

WELL LOG

DATUM

K.B. L.S. + 55.0' 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. DAUBENHAUER Witnessed By: C. BEYER

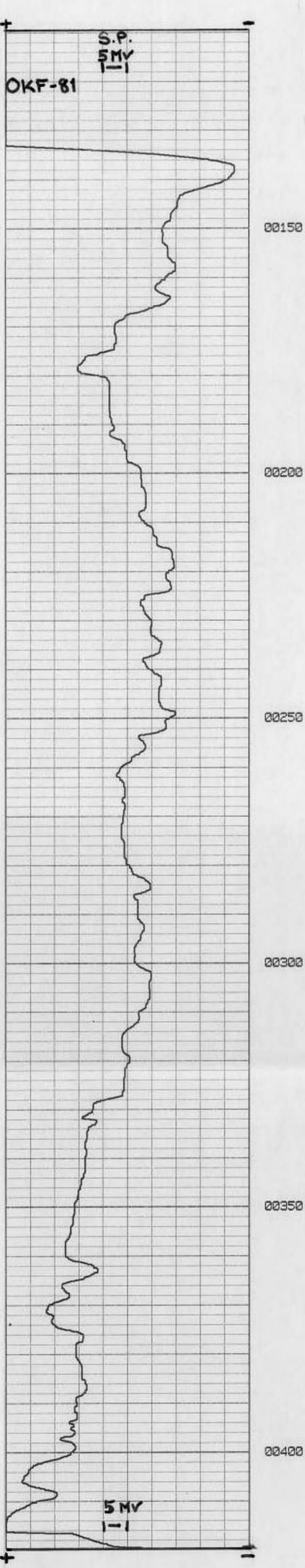
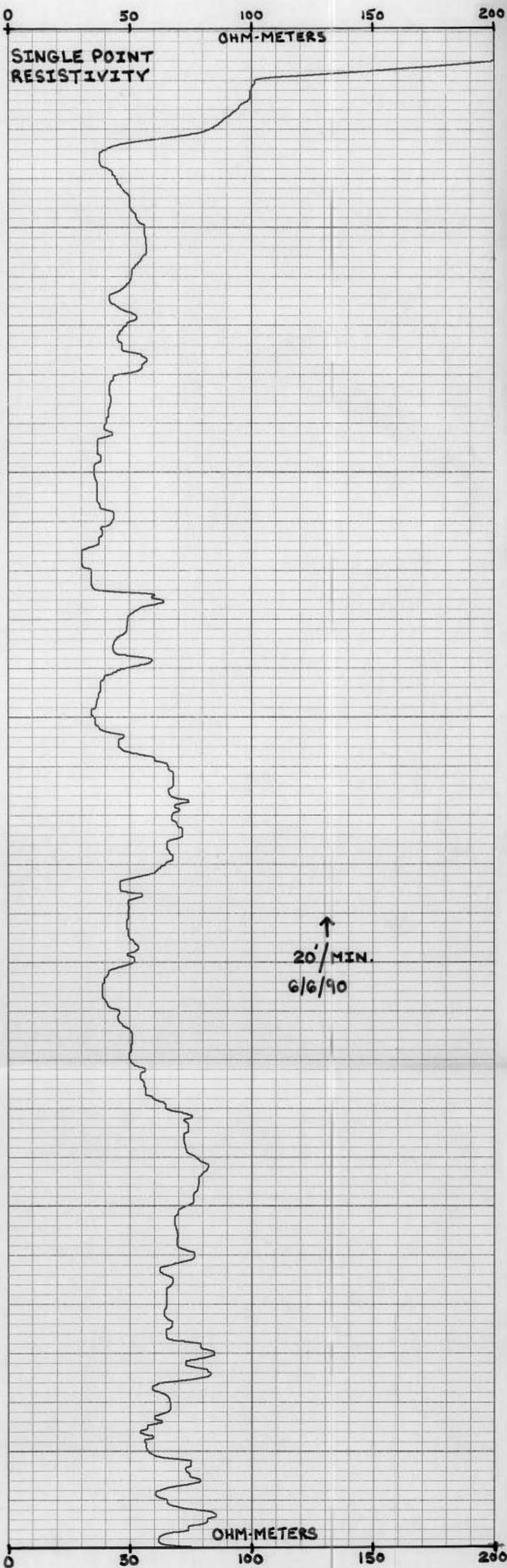
Comments: PART 2 OF 3

HOLES WAS REAMED OUT AND 10" CASING

WAS SET.

TYPE OF SURVEYS RUN

- | | | | |
|-------------------|-------------------------------------|---------------|-------------------------------------|
| Lateral 6' | <input checked="" type="checkbox"/> | Density | <input type="checkbox"/> |
| Calliper | <input type="checkbox"/> | ocl | <input type="checkbox"/> |
| Flow meter | <input type="checkbox"/> | Fluid Sampler | <input type="checkbox"/> |
| 16", 64" normals | <input checked="" type="checkbox"/> | Temperature | <input type="checkbox"/> |
| Neutron | <input type="checkbox"/> | Delta Temp. | <input type="checkbox"/> |
| Natural Gamma | <input checked="" type="checkbox"/> | SP | <input checked="" type="checkbox"/> |
| Fluid Resistivity | <input type="checkbox"/> | Single PT. | <input checked="" type="checkbox"/> |





FORM 0395
Rev 10/87

SOUTH FLORIDA WATER MANAGEMENT DISTRICT

WELL LOCATION

County OKEECHOOEE

Station I. D. 0930000057

Date 5/31/90 Well No. OKF-81

Latitude 27°-30'25" Longitude 81°-07'-44"

NE 1/4 SW 1/4 NE 1/4 Section 21 Township 34S Range 32E

Owner S.E.W.M.D. Phone (407) 686-8800

Driller T. LUBRANO Date Drilled 5/31/90

WELL CONSTRUCTION

Drilling Method: Rot. Air Auger Other

T. Depth - Driller 142' T. Depth - Logger 142'

Casing Depth Driller — Casing Depth Logger —

Bit Size 5 7/8" Casing Dia. I.D. —

Hole Dia. 6" From 0' To 140' Dia. From — To —

Type of Casing OPENHOLE Casing Thickness —

Type of Screen OPENHOLE Screen Int. From — To —

Type of Packing — Well Use MONITOR/A.P.T.

Static Water Level — Date —

Yield Flow — Pump —

WELL LOG

DATUM

K.B. — L.S. +55.0' T.O.C. —

FLUID QUALITY

Date — Time — Source of Sample —

Cl — mg/l Type of Fluid —

Temp. — °C Field Density — @ — °C

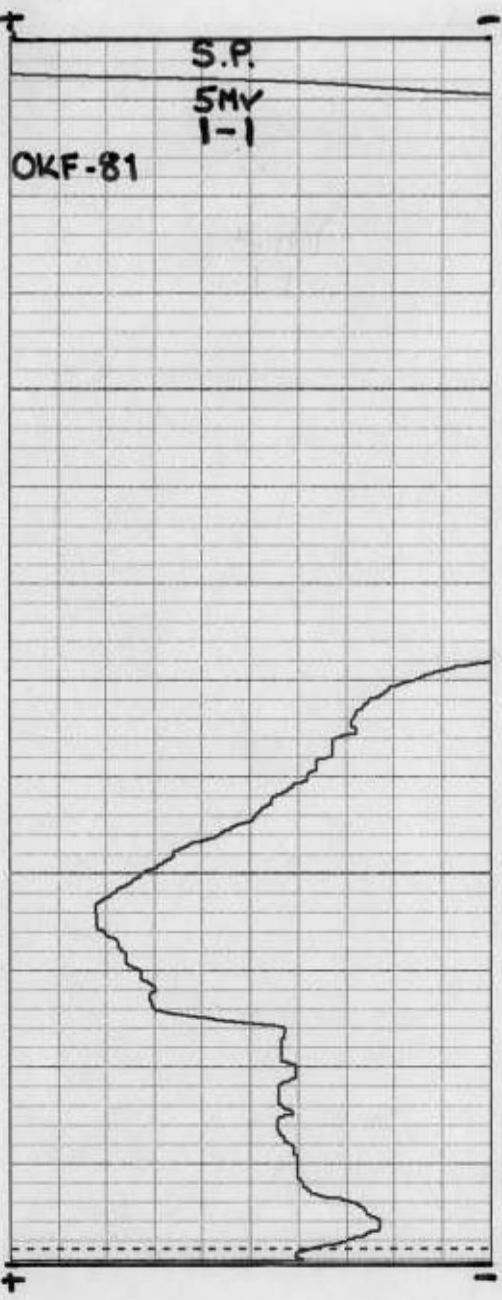
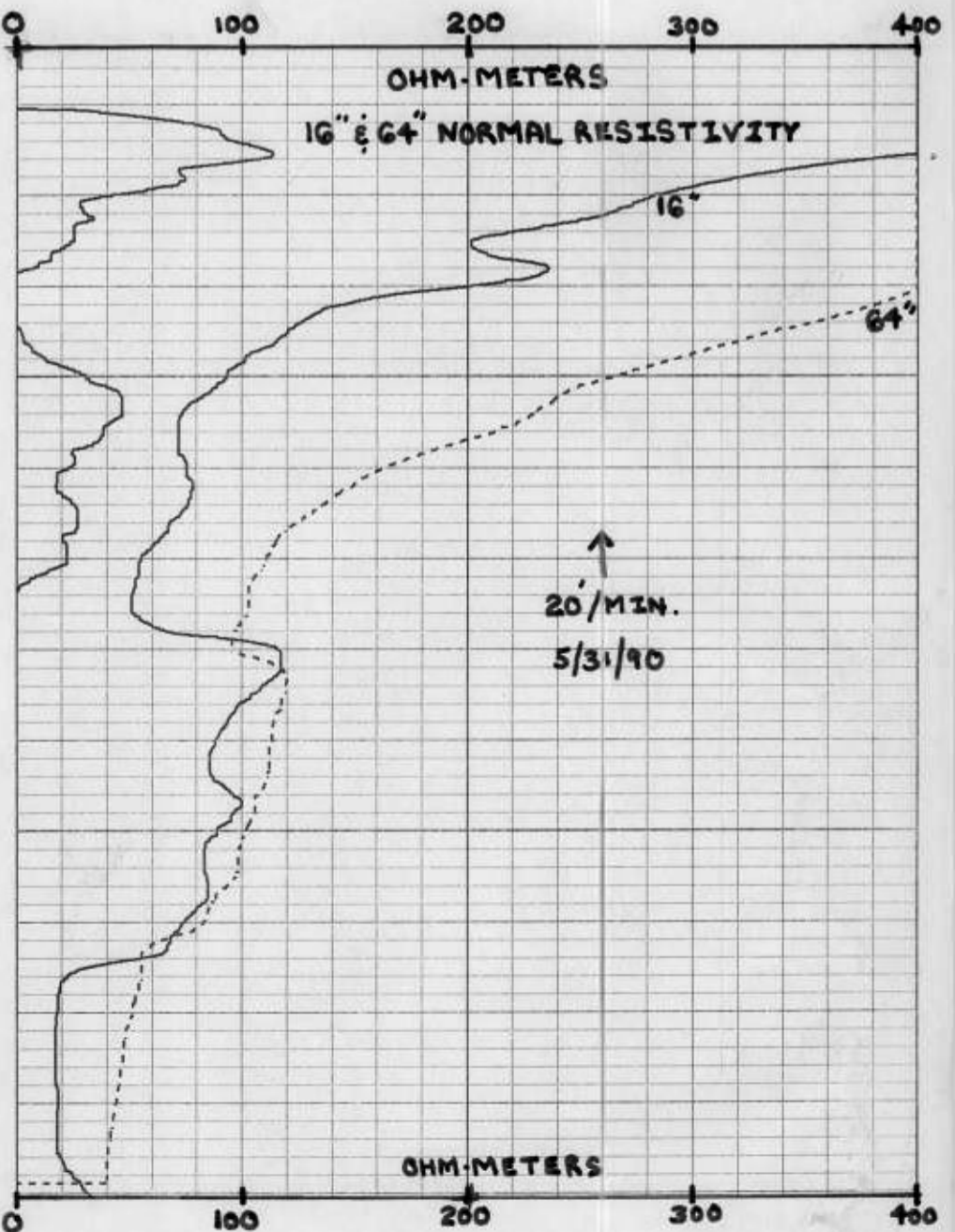
T.D.S. — mg/l Spec. Cond. — μmhos/cm

Logged By: E.P. DAUBENHAUER Witnessed By: P. BENTON

Comments: PART 1 OF 3

TYPE OF SURVEYS RUN

- | | | | |
|-------------------|-------------------------------------|---------------|-------------------------------------|
| Lateral 6' | <input checked="" type="checkbox"/> | Density | <input type="checkbox"/> |
| Calliper | <input checked="" type="checkbox"/> | ocl | <input type="checkbox"/> |
| Flow meter | <input type="checkbox"/> | Fluid Sampler | <input type="checkbox"/> |
| 16", 64" normals | <input checked="" type="checkbox"/> | Temperature | <input type="checkbox"/> |
| Neutron | <input type="checkbox"/> | Delta Temp. | <input type="checkbox"/> |
| Natural Gamma | <input checked="" type="checkbox"/> | SP | <input checked="" type="checkbox"/> |
| Fluid Resistivity | <input type="checkbox"/> | SINGLE PT. | <input checked="" type="checkbox"/> |





FORM 0395
REV 10/87

SOUTH FLORIDA WATER MANAGEMENT DISTRICT

WELL LOG

WELL LOCATION

County OKEECHOBEE

Station I. D. 093000057

Date 12/13/90 Well No. OKF-81

Latitude 27° 30' 25" Longitude 81° 07' 44"

NE 1/4 SW 1/4 NE 1/4 Section 21 Township 34S Range 32E

Owner S.F.W.M.D. Phone 407 686-8800

Driller T. LUBRANO Date Drilled _____

WELL CONSTRUCTION

Drilling Method: Rot. Air CT Auger Other _____

T. Depth - Driller 782' T. Depth - Logger 782'

Casing Depth Driller 340' Casing Depth Logger 340'

Bit Size _____ Casing Dia. I.D. 7.85"

Hole Dia. 8" From 0' To 60' Dia. 6" From 60' To 340'

Type of Casing P.V.C. Casing Thickness 0.15"

Type of Screen OPEN HOLE Screen Int. From _____ To _____

Type of Packing _____ Well Use MONITOR

Static Water Level _____ Date _____

Yield Flow _____ Pump _____

DATUM _____ L.S. +55.0' T.O.C. +0.9'

FLUID QUALITY

Date _____ Time _____ Source of Sample _____

Cl _____ mg/l Type of Fluid _____

Temp. 26.3 °C Field Density _____ @ _____ °C

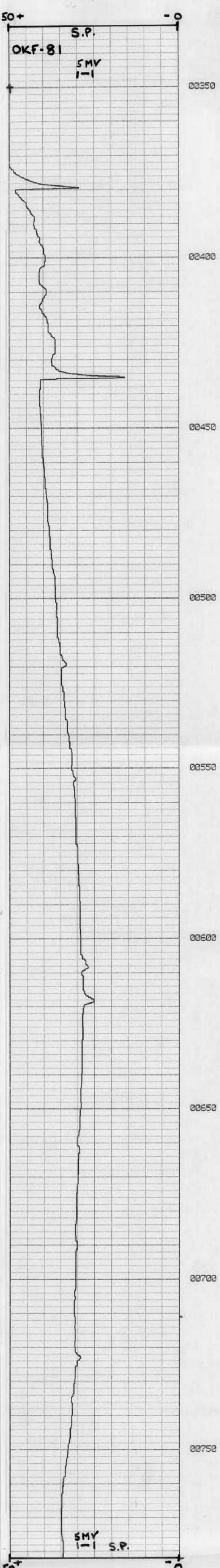
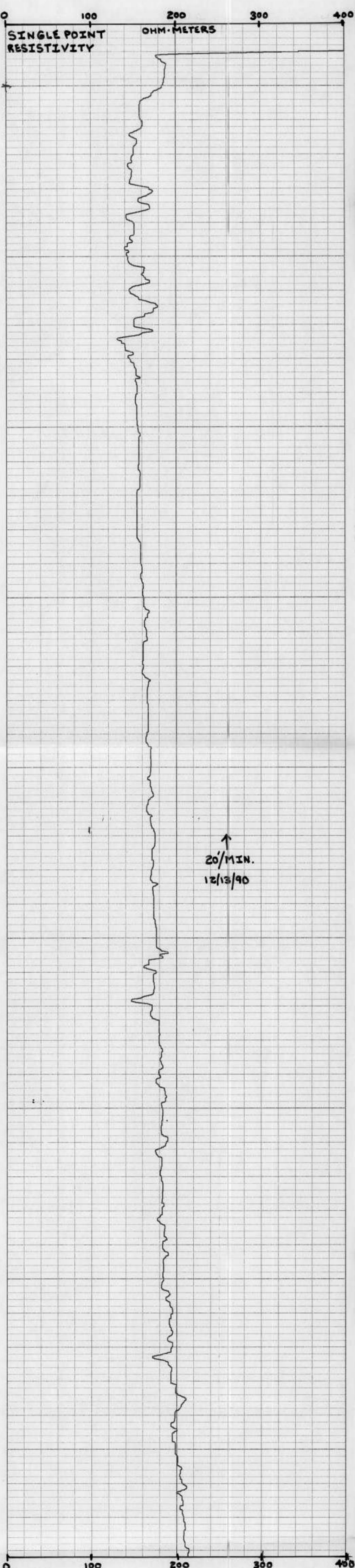
T.D.S. _____ mg/l Spec. Cond. _____ μmhos/cm

Logged By: D. DEMONSTRANTI Witnessed By: E.P. DAUBENHAWER

Comments: PART 3 OF 3

TYPE OF SURVEYS RUN

- | | | | |
|-------------------|-------------------------------------|---------------|-------------------------------------|
| Lateral 6' | <input checked="" type="checkbox"/> | Density | <input type="checkbox"/> |
| Calliper | <input checked="" type="checkbox"/> | ocl | <input type="checkbox"/> |
| Flow meter | <input type="checkbox"/> | Fluid Sampler | <input type="checkbox"/> |
| 16', 64" normals | <input checked="" type="checkbox"/> | Temperature | <input checked="" type="checkbox"/> |
| Neutron | <input type="checkbox"/> | Delta Temp. | <input checked="" type="checkbox"/> |
| Natural Gamma | <input type="checkbox"/> | SP | <input checked="" type="checkbox"/> |
| Fluid Resistivity | <input checked="" type="checkbox"/> | Single pt. | <input checked="" type="checkbox"/> |





FORM 0395
Rev 10/87

SOUTH FLORIDA WATER MANAGEMENT DISTRICT

WELL LOG

WELL LOCATION

County OKEECHOBEE

Station I. D. 093000057

Date 5/31/90 Well No. OKF-81

Latitude 27° 30' 25" Longitude 81° 07' 44"

NE 1/4 SW 1/4 NE 1/4 Section 21 Township 34S Range 32E

Owner S.F.W.M.D. Phone (407) 686-8800

Driller T. LUBRANO Date Drilled 5/31/90

WELL CONSTRUCTION

Drilling Method: Rot. Air CT Auger Other

T. Depth - Driller 142' T. Depth - Logger 142'

Casing Depth Driller — Casing Depth Logger —

Bit Size 5 7/8" Casing Dia. I.D. —

Hole Dia. 6" From 0' To 140' Dia. — From — To —

Type of Casing OPENHOLE Casing Thickness —

Type of Screen OPENHOLE Screen Int. From — To —

Type of Packing — Well Use MONITOR/A.P.T.

Static Water Level — Date —

Yield Flow — Pump —

DATUM

K.B. — L.S. +55.0' T.O.C. —

FLUID QUALITY

Date — Time — Source of Sample —

Cl — mg/l Type of Fluid —

Temp. — °C Field Density — @ — °C

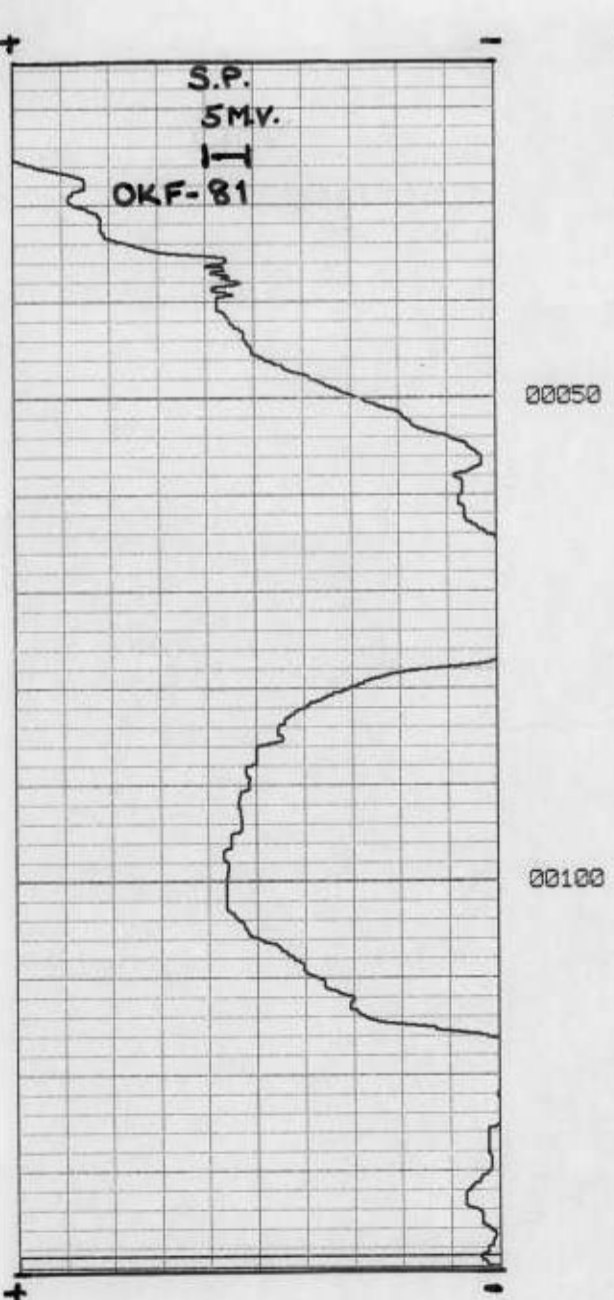
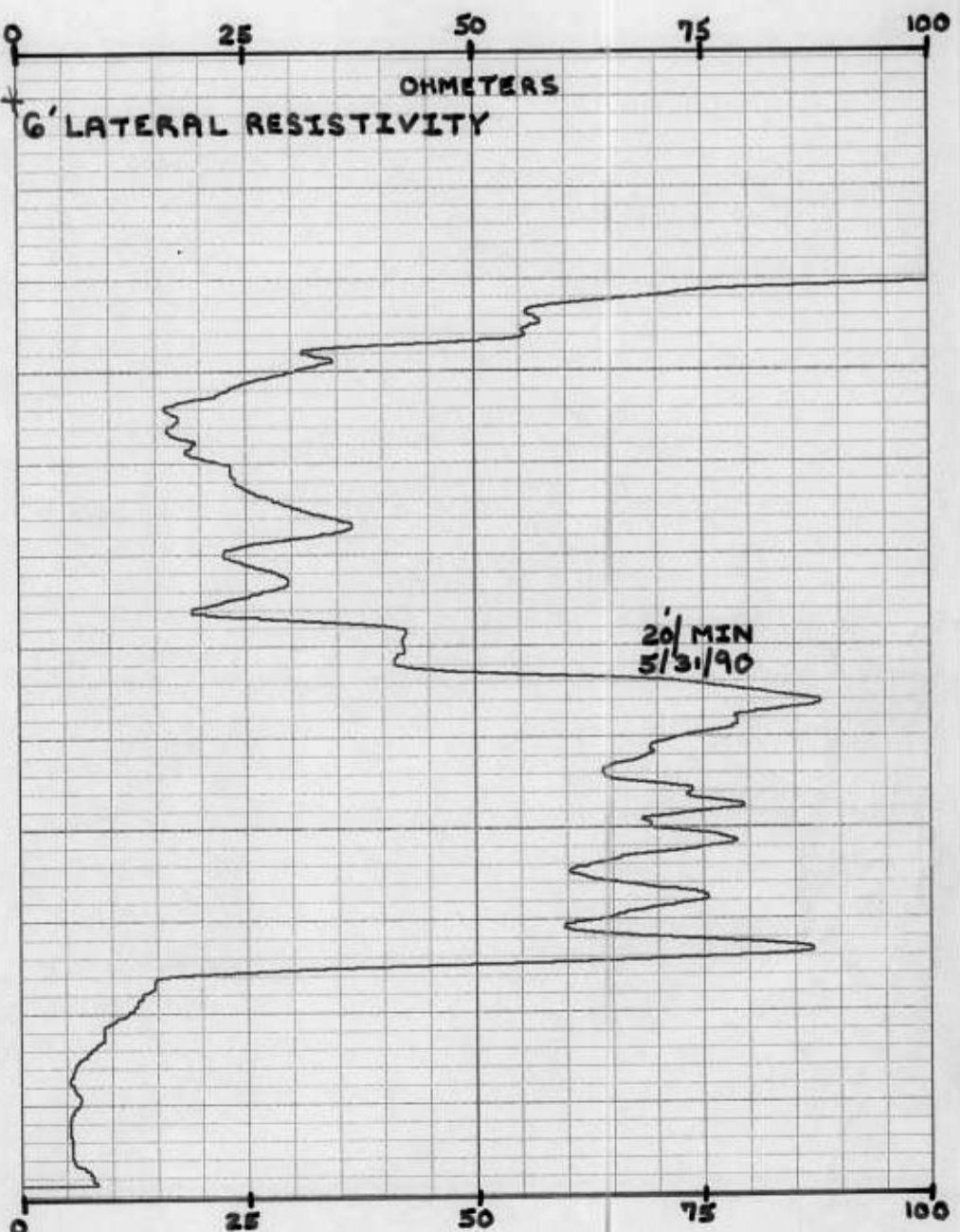
T.D.S. — mg/l Spec. Cond. — μmhos/cm

Logged By: E.P. DAUENHAUER Witnessed By: P. BENTON

Comments: PART 1 OF 3

TYPE OF SURVEYS RUN

- Lateral 6'
- Caliper
- Flow meter
- 16", 64" normals
- Neutron
- Natural Gamma
- Fluid Resistivity
- Density
- ccl
- Fluid Sampler
- Temperature
- Delta Temp.
- SP
- SINGLE PT.





FORM 0395
Rev. 10/87

SOUTH FLORIDA WATER MANAGEMENT DISTRICT

WELL LOCATION

County OKEECHOBEE

Station I. D. 0930000057

Date 6/6/90 Well No. OKF-81

Latitude 27° 30' 25" Longitude 81° 07' 44"

NE 1/4 SW 1/4 NE 1/4 Section 21 Township 34 S Range 32 E

Owner S.F.W.M.D. Phone (904) 886-8800

Driller I. LUBRANO Date Drilled 6/6/90

WELL CONSTRUCTION

Drilling Method: Rot. Air CT Auger Other

T. Depth - Driller 422' T. Depth - Logger 422'

Casing Depth Driller 120' Casing Depth Logger

Bit Size 5 7/8" Casing Dia. I.D. 6"

Hole Dia. From To Dia. From To

Type of Casing P.V.C. Casing Thickness

Type of Screen OPEN HOLE Screen Int. From To

Type of Packing Well Use MONITOR/A.R.T.

Static Water Level Date

Yield Flow Pump

WELL LOG

DATUM

K.B. LS + 55.0' 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: C. BEVIER

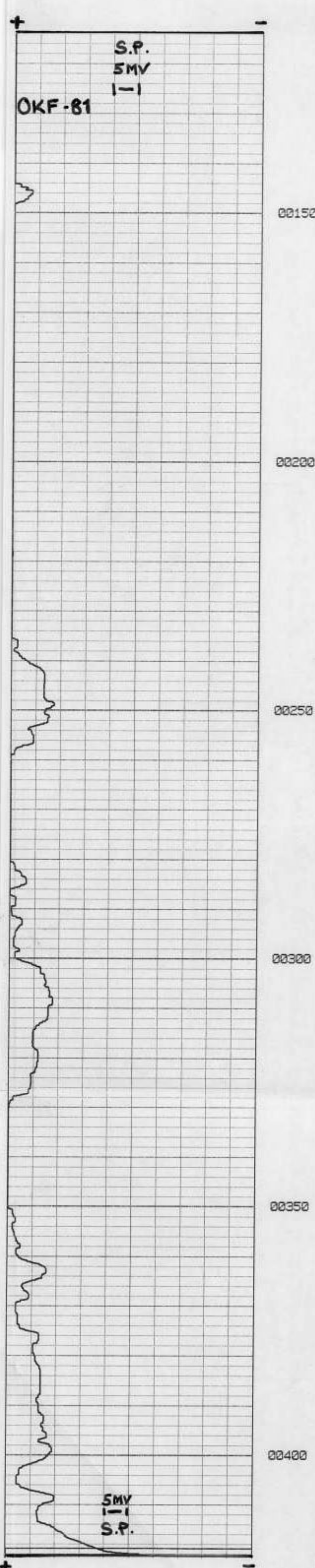
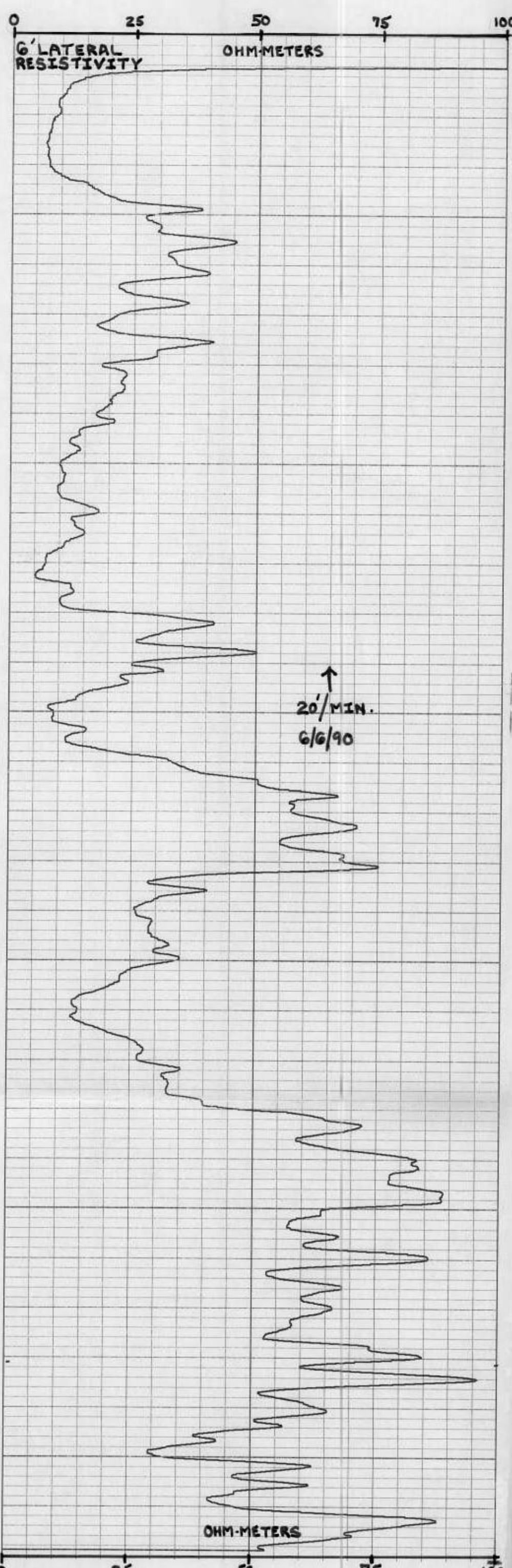
Comments: PART 2 OF 3

HOLE WAS REAMED OUT AND 10" CASING

WAS SET.

TYPE OF SURVEYS RUN

- Lateral 6'
- Caliper
- Flow meter
- 16" 64" normals
- Neutron
- Natural Gamma
- Fluid Resistivity
- Density
- ccl
- Fluid Sampler
- Temperature
- Delta Temp.
- SP
- Single Pt.





FORM 0395
Rev. 10/87

SOUTH FLORIDA WATER MANAGEMENT DISTRICT

WELL LOG

WELL LOCATION

County OKEECHOBEE

Station I. D. 0930000057

Date 12/13/90 Well No. OKF-81

Latitude 27° 30' 25" Longitude 81° 07' 44"

NE 1/4 SW 1/4 NE 1/4 Section 21 Township 34S Range 32E

Owner S.F.W.M.D. Phone 407 686-8800

Driller T. LUBRANO Date Drilled _____

WELL CONSTRUCTION

Drilling Method: Rot. Air CT Auger Other _____

T. Depth - Driller 782' T. Depth - Logger 782'

Casing Depth Driller 340' Casing Depth Logger 340'

Bit Size _____ Casing Dia. I.D. 7.85"

Hole Dia. 8" From 0' To 60' Dia. 6" From 60' To 340'

Type of Casing P.V.C. Casing Thickness 0.15"

Type of Screen OPEN HOLE Screen Int. From _____ To _____

Type of Packing _____ Well Use MONITOR

Static Water Level _____ Date _____

Yield Flow _____ Pump _____

DATUM _____ L.S. +55.0' T.O.C. +0.9'

FLUID QUALITY

Date _____ Time _____ Source of Sample _____

Cl _____ mg/l Type of Fluid _____ @ _____ °C

Temp. 26.3 °C Field Density _____ @ _____ °C

T.D.S. _____ mg/l Spec. Cond. _____ Jumbos/cm

Logged By: D. DEMONSTRANTE Witnessed By: E.P. DAUBENHAUER

Comments: PART. 3 OF 3

TYPE OF SURVEYS RUN

- | | | | |
|-------------------|-------------------------------------|---------------|-------------------------------------|
| Lateral 6' | <input checked="" type="checkbox"/> | Density | <input type="checkbox"/> |
| Caliper | <input type="checkbox"/> | ocl | <input type="checkbox"/> |
| Flow meter | <input type="checkbox"/> | Fluid Sampler | <input type="checkbox"/> |
| 16" 64" normals | <input type="checkbox"/> | Temperature | <input checked="" type="checkbox"/> |
| Neutron | <input type="checkbox"/> | Delta Temp. | <input checked="" type="checkbox"/> |
| Natural Gamma | <input checked="" type="checkbox"/> | SP | <input checked="" type="checkbox"/> |
| Fluid Resistivity | <input checked="" type="checkbox"/> | Single pt. | <input checked="" type="checkbox"/> |

