Baker Atlas

BAKER HUGHES

MULTIPOLE ARRAY ACOUSTILOG SM GAMMA RAY LOG

FILE NO:

API NO:

Ver 3.68

COMPANY	SOUTH FLORIDA WATER MANAGEMENT DISTRICT
WELL	L2-PW1
FIELD	L2 CANAL
COUNTY	HENDRY
STATE	FLORIDA

LOCATION:
LAT: 26 36 30.2
LONG:

SEC 4 TWP 45S RGE 34E

OTHER SERVICES
HDIL

PERMANENT DATUM	GL	ELEVATION	17 FT	
LOG MEASURED FROM	GL	0 FT	ABOVE P.D.	
DRILL. MEAS. FROM	GL			

ELEVATIONS:
KB 24.5 FT
DF 24 FT
GL 17 FT

DATE		07-NOV-1999			
RUN	TRIP	1	1		
SERVICE ORDER		283938			
DEPTH DRILLER		1810 FT			
DEPTH LOGGER		1808 FT			
BOTTOM LOGGED INTERVAL		1786 FT			
TOP LOGGED INTERVAL		1403 FT			
CASING-DRILLER		8 IN	@ 1400 FT		@
CASING LOGGER		1403 FT			
BIT SIZE		7.875 IN			
TYPE OF FLUID IN HOLE		FW			
DENSITY	VISCOSITY	8.34 LB/G	N/A		
PH	FLUIDLOSS	N/A	N/A		
SOURCE OF SAMPLE		FLOWLINE			
RM AT MEAS. TEMP.		2.67 OHMM	@ 75 DEGF		@
RMF AT MEAS. TEMP.		N/A	@ N/A		@
RMC AT MEAS. TEMP.		N/A	@ N/A		@
SOURCE OF RMF	RMC	N/A	N/A		
RM AT BHT		2.41 OHMM	@ 83 DEGF		@
TIME SINCE CIRCULATION		N/A			
MAX. RECORDED TEMP.		83 DEGF			
EQUIP. NO.	LOCATION	HL 6561	LAUREL, MS		
RECORDED BY		R. EMMETT			
WITNESSED BY		M. BENNETT			

IN MAKING INTERPRETATIONS OF LOGS OUR EMPLOYEES WILL GIVE CUSTOMER THE BENEFIT OF THEIR BEST JUDGEMENT. BUT SINCE ALL INTERPRETATIONS ARE OPINIONS BASED ON INFERENCES FROM ELECTRICAL OR OTHER MEASUREMENTS, WE CANNOT, AND WE DO NOT GUARANTEE THE ACCURACY OR CORRECTNESS OF ANY INTERPRETATION. WE SHALL NOT BE LIABLE OR RESPONSIBLE FOR ANY LOSS, COST, DAMAGES, OR EXPENSES WHATSOEVER INCURRED OR SUSTAINED BY THE CUSTOMER RESULTING FROM ANY INTERPRETATION MADE BY ANY OF OUR EMPLOYEES.

BOREHOLE RECORD

BIT SIZE	FROM	TO
7.875 IN	1400 FT	1810 FT

CASING RECORD

SIZE	WEIGHT	GRADE	FROM	TO
12 IN			0 FT	300 FT
8 IN			300 FT	1400 FT

REMARKS

RUN 1 TRIP 1 :

EQUIPMENT DATA

RUN	TRIP	TOOL	SERIES NO.	SERIAL NO.	POSITION
1	1	GR	1329XA	172724	FREE
1	1	XMAC	1678MA	185992	CENT.

MAIN LOG 5"/100FT SCALE

Release:3.2 Jul 06, 1999 Fileview 2.36 Cplot 3.0 Wed Nov 10 04:31:48 1999
Pcrplt /main/47 Pdf_Cpp /main/13

PARAMETER AND FILTER SUMMARY REPORT

FILE: /dat1a/sfL2-PW07xi99/e772u02.prm
LOGGING MODE: DEPTH DIRECTION: UP
TOP DEPTH: 1460.250 ft BOTTOM DEPTH: 1815.750 ft

SYMMETRIC FILTER

MEASUREMENT TYPE	PARAMETER	VALUE	UNITS	INTERVAL (ft)	
GR	FILTER ()	medium (1)		TOP	BOTTOM
DT24	FILTER ()	light (2)		''	''
TENSION	FILTER ()	medium (1)		''	''

BOREHOLE & CEMENT

MEASUREMENT TYPE	PARAMETER	VALUE	UNITS	INTERVAL (ft)	
CASING - BOREHOLE & CEMENT VOLUME	CASING O.D.	0.000	in	TOP	BOTTOM
BIT SIZE	BIT SIZE	7.875	in	''	''

ACOUSTIC POROSITY

MEASUREMENT TYPE	PARAMETER	VALUE	UNITS	INTERVAL (ft)	
DELTA T CURVE SELECTION	CURVE SELECTION	first arrival		TOP	BOTTOM

ACOUSTIC PICK CONTROL

MEASUREMENT TYPE	PARAMETER	VALUE	UNITS	INTERVAL (ft)	
DELTA-T REJECTION RANGE	REJECTION DTmin	40	us/ft	TOP	BOTTOM
	REJECTION DTmax	180	us/ft	''	''
FIRST ARRIVAL PICK (SUB #5,6)	SEARCH START OFFSET (sfa21*)	39	us	''	''
	SEARCH START OFFSET (sfa22*)	39	us	''	''
	SEARCH START OFFSET (sfa23*)	39	us	''	''
	SEARCH START OFFSET (sfa24*)	39	us	''	''
FIRST ARRIVAL PICK (SUB #5,9)	SEARCH WINDOW LENGTH	2400	us	''	''
	THRESHOLD FACTOR	0.30		''	''
	THRESHOLD MINIMUM (sfa21*)	35		''	''
	THRESHOLD MINIMUM (sfa22*)	35		''	''
	THRESHOLD MINIMUM (sfa23*)	35		''	''
	THRESHOLD MINIMUM (sfa24*)	35		''	''
	E3 THRESHOLD	OFF		''	''

ACOUSTIC QUALITY CONTROL

MEASUREMENT TYPE	PARAMETER	VALUE	UNITS	INTERVAL (ft)	
CYCLE SKIP LIMIT	CYCLE SKIP LIMIT	100	us	TOP	BOTTOM

ACOUSTIC WAVEFORM FILTER

MEASUREMENT TYPE	PARAMETER	VALUE	UNITS	INTERVAL (ft)	
WAVEFORM FILTER - DELTA T	SURFACE WAVE FILTER	ON		TOP	BOTTOM
	LOW FREQ CUTOFF	1500	Hz	''	''
	HIGH FREQ CUTOFF	20000	Hz	''	''

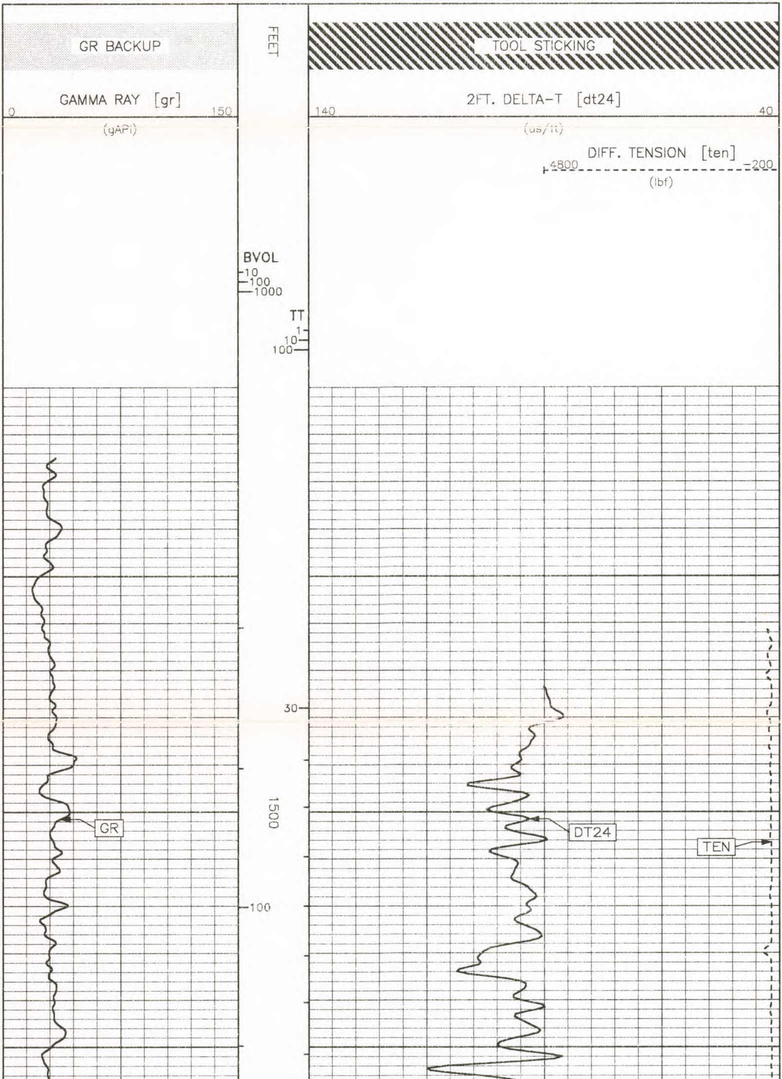
ACOUSTIC X CORRELATION

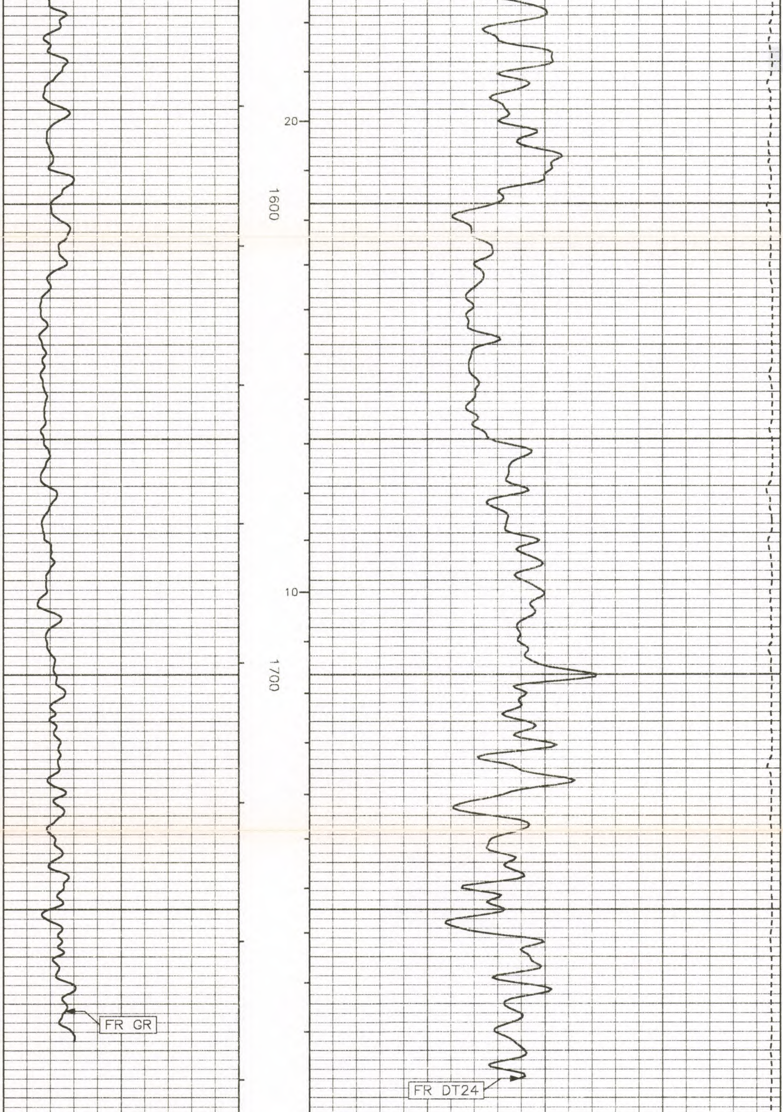
MEASUREMENT TYPE	PARAMETER	VALUE	UNITS	INTERVAL (ft)	
XCORR WINDOW POSITION	USE CALIPER	CALIPER		TOP	BOTTOM
	WINPOS (wpos*)	782	us	''	''
XCORR DELTA-T	Xcorr CWlength	150	us	''	''
	Xcorr DTmin	30	us/ft	''	''
	Xcorr DTmax	180	us/ft	''	''

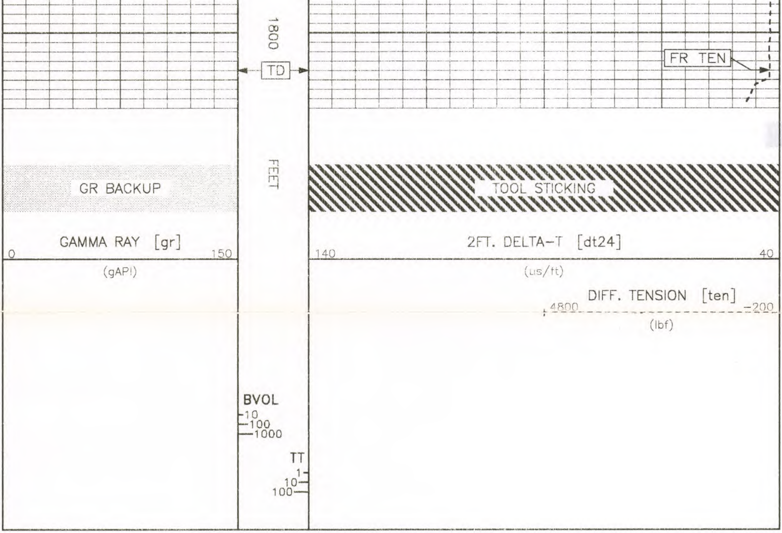
CURVE MEASURE POINT OFFSET

CURVE	OFFSET (ft)	CURVE	OFFSET (ft)	CURVE	OFFSET (ft)	CURVE	OFFSET (ft)
dt24	11.50	gr	36.50	ten	-0.00		

Presentation : /dat1a/sfL2-PW07xi99/mac6M.pdf
Data File : F1 : hl6561d:/dat1a/sfL2-PW07xi99/e772u02.xtf
Company : SOUTH FLORIDA WATER MANAGEMENT DISTRICT
Well : L2-PW
Field : CLEWISTON
Interval : 1411.50 - 1816.00 Feet
Oct : e772u







REPEAT LOG

Release:3.2 Jul 06, 1999	Fileview 2.36 Pcrplt /main/47	Cplot 3.0 Pdf_Cpp /main/13	Wed Nov 10 04:32:36 1999

PARAMETER AND FILTER SUMMARY REPORT

FILE: /dat1a/sfL2-PW07x199/e772u03.prm
LOGGING MODE: DEPTH DIRECTION: UP
TOP DEPTH: 1591.000 ft BOTTOM DEPTH: 1817.000 ft

SYMMETRIC FILTER

MEASUREMENT TYPE	PARAMETER	VALUE	UNITS	INTERVAL (ft)	
GR	FILTER ()	medium (1)		TOP	BOTTOM
DT24	FILTER ()	light (2)		''	''
TENSION	FILTER ()	medium (1)		''	''

BOREHOLE & CEMENT

MEASUREMENT TYPE	PARAMETER	VALUE	UNITS	INTERVAL (ft)	
CASING - BOREHOLE & CEMENT VOLUME	CASING O.D.	0.000	in	TOP	BOTTOM
BIT SIZE	BIT SIZE	7.875	in	''	''

ACOUSTIC POROSITY

MEASUREMENT TYPE	PARAMETER	VALUE	UNITS	INTERVAL (ft)	
DELTA T CURVE SELECTION	CURVE SELECTION	first arrival		TOP	BOTTOM

ACOUSTIC PICK CONTROL

MEASUREMENT TYPE	PARAMETER	VALUE	UNITS	INTERVAL (ft)	
DELTA-T REJECTION RANGE	REJECTION DTmin	40	us/ft	TOP	BOTTOM
	REJECTION DTmax	180	us/ft	''	''
FIRST ARRIVAL PICK (SUB #5,6)	SEARCH START OFFSET (sfa21*)	39	us	''	''
	SEARCH START OFFSET (sfa22*)	39	us	''	''
	SEARCH START OFFSET (sfa23*)	39	us	''	''
	SEARCH START OFFSET (sfa24*)	39	us	''	''
FIRST ARRIVAL PICK (SUB #5,9)	SEARCH WINDOW LENGTH	2400	us	''	''
	THRESHOLD FACTOR	0.30		''	''
	THRESHOLD MINIMUM (sfa21*)	35		''	''
	THRESHOLD MINIMUM (sfa22*)	35		''	''
	THRESHOLD MINIMUM (sfa23*)	35		''	''
	THRESHOLD MINIMUM (sfa24*)	35		''	''
	E3 THRESHOLD	OFF		''	''

ACOUSTIC QUALITY CONTROL

MEASUREMENT TYPE	PARAMETER	VALUE	UNITS	INTERVAL (ft)	
CYCLE SKIP LIMIT	CYCLE SKIP LIMIT	100	us	TOP	BOTTOM

ACOUSTIC WAVEFORM FILTER

MEASUREMENT TYPE	PARAMETER	VALUE	UNITS	INTERVAL (ft)	
WAVEFORM FILTER - DELTA T	SURFACE WAVE FILTER	ON		TOP	BOTTOM
	LOW FREQ CUTOFF	1500	Hz	''	''
	HIGH FREQ CUTOFF	20000	Hz	''	''

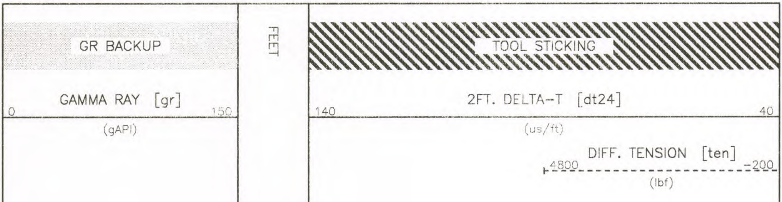
ACOUSTIC X CORRELATION

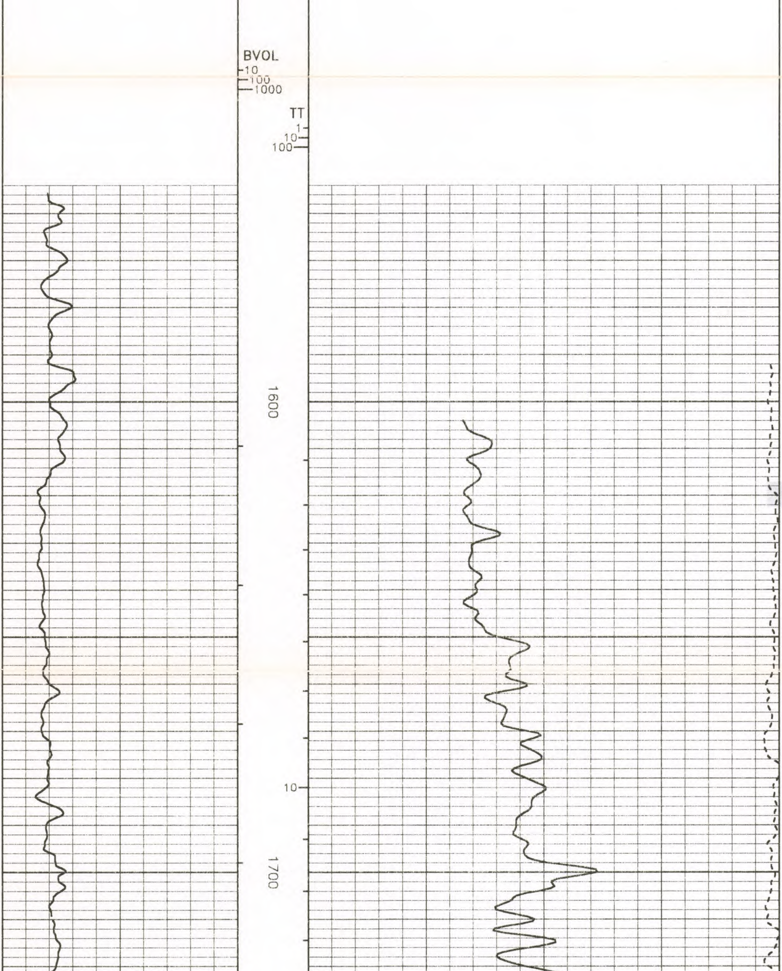
MEASUREMENT TYPE	PARAMETER	VALUE	UNITS	INTERVAL (ft)	
XCORR WINDOW POSITION	USE CALIPER	CALIPER		TOP	BOTTOM
	WINPOS (wpos*)	834	us	''	''
XCORR DELTA-T	Xcorr CWlength	150	us	''	''
	Xcorr DTmin	30	us/ft	''	''
	Xcorr DTmax	180	us/ft	''	''

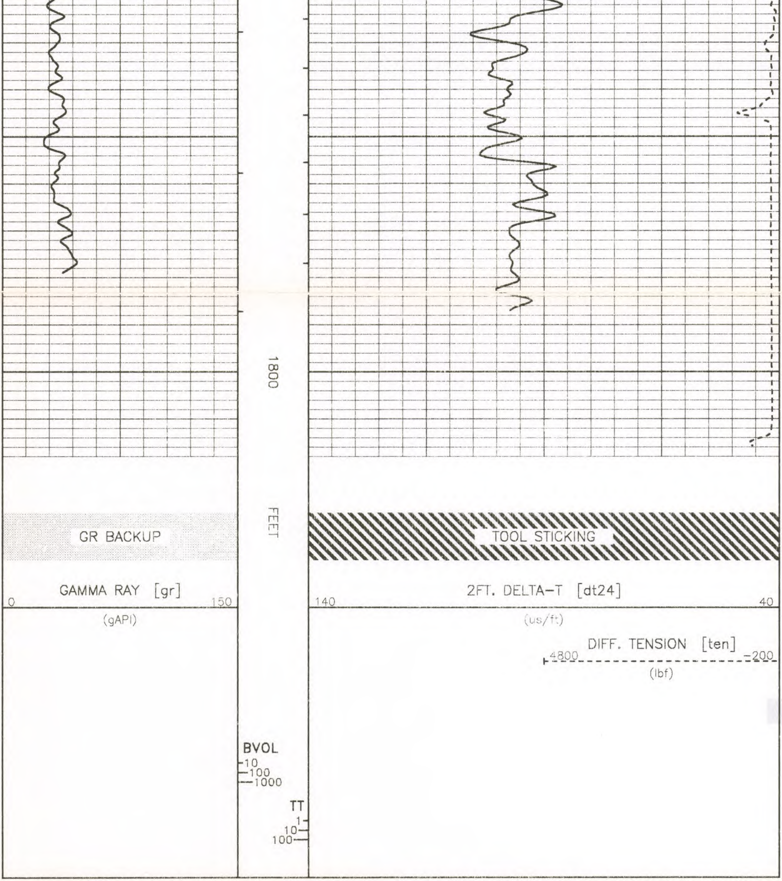
CURVE MEASURE POINT OFFSET

CURVE	OFFSET (ft)	CURVE	OFFSET (ft)	CURVE	OFFSET (ft)	CURVE	OFFSET (ft)
dt24	11.50	gr	36.50	ten	-0.00		

Presentation : /dat1a/sfL2-PW07xi99/mac6R.pdf
Data File : F1 : hl6561d:/dat1a/sfL2-PW07xi99/e772u03.aff
Company : SOUTH FLORIDA WATER MANAGEMENT DISTRICT
Well : L2-PW
Field : CLEWISTON
Interval : 1542.25 - 1817.00 Feet
Oct : e772u







CALIBRATION / VERIFICATION SUMMARY

Source File: /dat1a/sfL2-PW07xi99/e772u.tp1

CHT PRIMARY CALIBRATION SUMMARY

TOOL #: 3981XA 173344

DATE/TIME PERFORMED: Tue Oct 19 09:15:42 1999

UNIT #: 3880TB HL6561

	Signal Low (raw)	Signal High (raw)	Scale Mult	Scale Add	Engr Low (lbf)	Engr High (lbf)
CHT	80.95	405.92	6.15	-498.19	0.00	2000.00

GR PRIMARY CALIBRATION SUMMARY

TOOL #: 1329XA 172724

DATE/TIME PERFORMED: Thu Sep 30 15:28:47 1999

UNIT #: 3880TB HL6561 CALB JIG #: 4702NK DA-582

	BACKGROUND (cts/s)	CALBRTR ON (cts/s)	CR DIFF (cts/s)	MULT	BACKGROUND (gAPI)	CALBRTR ON (gAPI)	CALBRTR (gAPI)
GR	149.31	1075.76	926.4	0.162	24.17	174.17	150

GR PRIMARY VERIFICATION SUMMARY

TOOL #: 1329XA 172724

DATE/TIME PERFORMED: Thu Sep 30 15:31:56 1999

UNIT #: 3880TB HL6561 VERI JIG #: 4702NK DA-582

	BACKGROUND (cts/s)	CALBRTR ON (cts/s)	MULT	BACKGROUND (gAPI)	CALBRTR ON (gAPI)	DIFF. (gAPI)
GR	150.82	1075.51	0.162	24.42	174.14	149.72

GR BEFORE LOG VERIFICATION SUMMARY

TOOL #: 1329XA 172724

DATE/TIME PERFORMED: Sun Nov 07 06:52:51 1999

UNIT #: 3880TB HL6561 VERI JIG #: 4702NK DA-582

	BACKGROUND (cts/s)	CALBRTR ON (cts/s)	MULT	BACKGROUND (gAPI)	CALBRTR ON (gAPI)	DIFF. (gAPI)
GR	137.60	1067.47	0.162	22.28	172.83	150.55

GR AFTER LOG VERIFICATION SUMMARY

TOOL #: 1329XA 172724

DATE/TIME PERFORMED: Sun Nov 07 08:55:29 1999

UNIT #: 3880TB HL6561 VERI JIG #: 4702NK DA-582

	BACKGROUND (cts/s)	CALBRTR ON (cts/s)	MULT	BACKGROUND (gAPI)	CALBRTR ON (gAPI)	DIFF. (gAPI)
GR	137.78	1064.20	0.162	22.31	172.30	150.00

BAKER HUGHES

Baker Atlas

COMPANY SOUTH FLORIDA WATER MANAGEMENT DISTRICT
WELL L2-PW1
FIELD L2 CANAL
COUNTY HENDRY STATE FLORIDA

FILE NO:
API NO:

LOCATION:
LAT: 26 36 30.2
LONG:

SEC 4 TWP 45S RGE 34E

ELEVATIONS:
KB 24.5 FT
DF 24 FT
GL 17 FT

DATE 07-NOV-1999