Report: **Well Logs from J Luke's archives**

Well	Log Name	Date	Depths	
			Bottom	Top
DF-1	Digital BHC Sonic, Caliper - Gamma Ray	10/07/1993	2630	0930
	Fluid Properties	10/05/1993	2737	0920
	Phasor Induction - SFL, Gamma Ray	10/05/1993	2737	0920
	High Resolution Temperature	10/07/1993	2650	0920
	Fullbore Spinner Survey	10/07/1993	2650	0920
	Litho Density Compensated Neutron	10/08/1993	1950	0920

Schlumberger

DIGITAL BHC SONIC
CALIPER - GAMMA RAY

COMPANY	SOUTH FLORIDA WATER MANAGEMENT DIST.
WELL	SFWMD DF No. 1
FIELD	NORTHWEST L-31 CANAL
LOCATION	SOUTHEAST BANK OF L-31 CANAL

FIELD	NORTHWEST L-31 CANAL			
COUNTY	DADE	STATE	FLORIDA	
LOCATION	SOUTHEAST BANK OF L-31 CANAL CHROME AVENUE			Other Services: LDT/CNL DIL CALIPER FLOWMETER TEMP AMS
API SERIAL NO. N/A	SECT. -	TWP. -	RANGE -	
Permanent Datum	GROUND LEVEL	Elev. 9.5 F		Elev.: K.B. 24.5 F
Log Measured From	KELLY BUSHING	15.0 F above Perm. Datum		D.F. 23.5 F
Drilling Measured From	KELLY BUSHING			G.L. 15.0 F

Date	07-OCT-1993			
Run No.	ONE			
Depth Driller	2743.0 F			
Depth Logger (Schl.)	2743.0 F			
Btm. Log Interval	2630.0 F			
Top Log Interval	920.0 F			
Casing-Driller	12" @ 920.0 F		@	@
Casing-Logger	920.0 F			
Bit Size	8 3/4" @		@	@
Type Fluid in Hole	SALT H20 & MUD			
Dens. / Visc.	9.30 LB/G	35.0 S		
pH / Fld. Loss				
Source of Sample	CIRC. TANK			
Rm @ Meas. Temp.	3.420 OHMM @ 82.0 DEGF		@	
Rmf @ Meas. Temp.	.840 OHMM @ 85.0 DEGF		@	
Rmc @ Meas. Temp.	@		@	
Source: Rmf / Rmc	MEASURED	NONE		
Rm @ BHT	4.348 OHMM @ 63.0 DEGF		@	
Time: Circulation Ended	11:00 10/05/93			
Time: Logger on Bottom	9:00 10/07/93			
Max. Rec. Temp.	63.0 DEGF			
Equip. / Location	8170	NATCHEZ, MS.		
Recorded By	BLIZNIK/JONES			
Witnessed By	JOHN LUKASIEWICZ			

The well name, location and borehole reference data were furnished by the customer.

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Run No.	ONE		
Service Order No.	607441		
Drilling Fluid Level			
Salinity	20000.0 PPM		
Rmf @ BHT	1.104 OHMM @ 63.0 DEGF		@
Rmc @ BHT	@ 63.0 DEGF		@
Logging Speed	5000.0 F/HR		
EQUIPMENT DATA			
Tool Number 1	SLS 1684		
Tool Number 2	SDC 622		
Tool Number 3	MCDG 3807		
Tool Number 4	SGT		
Tool Number 5	TCC		
Tool Number 6	-		
Tool Number 7			
Tool Number 8			
Tool Number 9			
Tool Number 10			
Tool Number 11			
Tool Number 12			

REMARKS:

THANK YOU FOR USING SCHLUMBERGER
YOUR SWS CREW: K.KIRBY & S.TROUTMAN

TD NOT FULLY REACHED GOT STUCK ON BOTTOM.

LOG WAS LOGGING TLC WITH DRILL PIPE AS WE CAME OUT OF HOLE WITH THE FISHING TOOL ATTACHED TO OUR TOOL STRING
LOG LOSES ABOUT 2' THOUGHOUT THE PASS.

LOGGING TOOL STRING SKETCH

LEHQ LOGGING HEAD		
TCCB		40.7 F
SGTL		37.7 F
	GR	36.7 F
SDT		32.2 F
	CENTRALIZER	
MCDG		7.5 F
	CALIPER	
		TOOL ZERO

TOTAL TOOL STRING LENGTH IS 44.2 F.
TOTAL TOOL STRING WEIGHT IS 587. LB IN AIR.

PIPE CONNECTION SUMMARY

#	DEPTH	TIME	#	DEPTH	TIME
1	2629.0 F	07-OCT-1993 09:23	2	1794.5 F	07-OCT-1993 10:46
3	1733.0 F	07-OCT-1993 10:50	4	1610.0 F	07-OCT-1993 11:04
5	1547.5 F	07-OCT-1993 11:07	6	1360.0 F	07-OCT-1993 11:19
7	923.5 F	07-OCT-1993 12:06			

ACCUMULATED INTEGRATION VALUES SUMMARY:

Integrated Hole Volume:	1402.85 F3	FROM 2629.50 F	TO 920.000 F
Integrated Transit Time:	.178650 S	FROM 2629.50 F	TO 920.000 F
USFC:	6.00000	FROM 2629.50 F	TO 895.500 F

EVENT MARK SUMMARY:

OUTPUT	INTERVAL BETWEEN PIPS	DEPTH TRACK EDGE
Integrated Hole Volume	10.0000 F3	LEFT EDGE
Integrated Transit Time	.00100000 S	RIGHT EDGE
USFC	1.00000	LEFT EDGE

CHANGED PARAMETERS

NAME	VALUE	UNIT	DEPTH (F)	NAME	VALUE	UNIT	DEPTH (F)
DTM	47.6000	US/F	2568.0				

BS(IN) 6.0000 – 16.000	TENS(LBF) 10000. – 0.0
HD(IN) 6.0000 – 16.000	SPHI(V/V) .45000 – -.1500
GR(GAPI) 0.0 – 150.00	DT(US/F) 140.00 – 40.000
WASHOUT	

CP 38.2 FILE 12 07-OCT-1993 12:58
INPUT FILE(S) 3 CREATION DATE 07-OCT-1993 09:19

5"/100'

5"/100'

CP 38.2 FILE 12 07-OCT-1993 12:35
INPUT FILE(S) 3 CREATION DATE 07-OCT-1993 09:19

WASHOUT	
BS(IN) 6.0000 – 16.000	TENS(LBF) 10000. – 0.0
HD(IN) 6.0000 – 16.000	SPHI(V/V) .45000 – -.1500
GR(GAPI) 0.0 – 150.00	DT(US/F) 140.00 – 40.000

SENSOR MEASURE POINT TO TOOL ZERO

GR	36.7	FEET	HD	3.0	FEET
TT3	11.9	FEET	TT4	10.9	FEET
TT1	14.7	FEET	TT2	15.7	FEET
TENS	3.0	FEET			

PARAMETERS

NAME	VALUE	UNIT	NAME	VALUE	UNIT
SMB	DISA		VDLR	2IN	
PP	NORM		DO	14.5000	F
FCD	4.00000	IN	FNUM	.620000	
FEXP	2.15000		FPHI	SPHI	
TOCA	ALLO		MODE	BHC	
DETE	E2		MGAI	4000.00	
AGC	ALLO		SLEV	5000.00	MV
GAI	40.0000		SFAF	0.0	DB/F
SGAD	ALLO		SGW	80	US
NMSG	180	US	SGDT	50	US/F
DTCM	NORM		SLC	C	
SLS	WA		SPLE	0	IN
RATE	15	HZ	SOAD	AUTO	
DDEL	0	US	DSIN	10	US
DWCO	500		RMOD	B	
WMOD	BHC		WAGC	ALLO	
WGDT	240.000	US/F	WGAI	20.0000	
ITTS	DT		SPSO	DT	
SPFS	R-H		DTM	38.4000	US/F
SVS	DT		NCJT	GSRY	
AOFF	0.0		BS	8.75000	IN
BHS	OPEN				

COMPANY	SOUTH FLORIDA WATER MANAGEMENT DIST.			SCHL.	FR	2630.0 F
				SCHL.	TD	2743.0 F
WELL	SFWMD DF No. 1			DRLR.	TD	2743.0 F
FIELD	NORTHWEST L-31 CANAL			Elev:	KB	24.5 F
					DF	23.5 F
COUNTY	DADE	STATE	FLORIDA		GL	15.0 F

Schlumberger

DIGITAL BHC SONIC
CALIPER - GAMMA RAY

Schlumberger

FLUID PROPERTIES LOG

COMPANY	SOUTH FLORIDA WATER MANAGEMENT DIST.
WELL	SFWMD DF No. 1
FIELD	NORTHWEST L-31 CANAL
LOCATION	SOUTHEAST BANK OF L-31 CANAL
COUNTY	DADE

COMPANY	SOUTH FLORIDA WATER MANAGEMENT DIST.			
WELL	SFWMD DF No. 1			
FIELD	NORTHWEST L-31 CANAL			
COUNTY	DADE	STATE	FLORIDA	
LOCATION	SOUTHEAST BANK OF L-31 CANAL CHROME AVENUE			Other Services: LDT/CNL BHC SONIC CALIPER FLOWMETER TEMP AMS
API SERIAL NO. N/A	SECT. --	TWP. --	RANGE --	
Permanent Datum	GROUND LEVEL	Elev. 15.0 F		Elev.: K.B. 24.5 F
Log Measured From	KELLY BUSHING 9.5 F	above Perm. Datum		D.F. 23.5 F
Drilling Measured From	KELLY BUSHING			G.L. 15.0 F

Date	05-OCT-1993		
Run No.	ONE		
Depth Driller	2743.0 F		
Depth Logger (Schl.)	2743.0 F		
Btm. Log Interval	2737.0 F		
Top Log Interval	920.0 F		
Casing-Driller	12" @ 920.0 F	@	@
Casing-Logger	920.0 F		
Bit Size	8 3/4" @	@	@
Type Fluid in Hole	SALT H20 & MUD		
Dens. / Visc.	9.30 LB/G / 35.0 S		
pH / Fld. Loss			
Source of Sample	CIRC. TANK		
Rm @ Meas. Temp.	3.420 OHMM @ 82.0 DEGF	@	@
Rmf @ Meas. Temp.	.840 OHMM @ 85.0 DEGF	@	@
Rmc @ Meas. Temp.	@	@	@
Source: Rmf / Rmc	MEASURED / NONE		
Rm @ BHT	4.348 OHMM @ 63.0 DEGF	@	@
TIME: Circulation Ended	11:00 10/05/93		
TIME: Logger on Bottom	11:30 10/05/93		
Max. Rec. Temp.	63.0 DEGF		
Equip. / Location	8170 / NATCHEZ, MS.		
Recorded By	BLIZNIK/JONES		
Witnessed By	JOHN LUKASIEWICZ		

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Run No.	ONE		
Service Order No.	607441		
Drilling Fluid Level			
Salinity	20000.0 PPM		
Rmf @ BHT	1.104 OHMM @ 63.0 DEGF		@
Rmc @ BHT	@ 63.0 DEGF		@
Logging Speed	5000.0 F/HR		
EQUIPMENT DATA			
Tool Number 1	DIS 484		
Tool Number 2	DIC 480		
Tool Number 3	SGT		
Tool Number 4	TCC		
Tool Number 5	AMS		
Tool Number 6	-		
Tool Number 7			
Tool Number 8			
Tool Number 9			
Tool Number 10			
Tool Number 11			
Tool Number 12			

REMARKS:
THANK YOU FOR USING SCHLUMBERGER
YOUR SWS CREW: K.KIRBY & S.TROUTMAN

TD NOT FULLY REACHED ON MAIN PASS

5"/100'

CP 38.2 FILE 4 05-OCT-1993 11:29 (UP)

GR(GAPI)		MRES(OHMM)	
0.0	150.00	0.0	2.0000
		MTEM(DEGC)	
		0.0	50.000

SENSOR MEASURE POINT TO TOOL ZERO

DITE 10.3 FEET — SGTL 35.9 FEET
AMS 45.2 FEET — DTT -47.0 FEET

PARAMETERS

NAME	VALUE	UNIT	NAME	VALUE	UNIT
WMUD	9.30000	LB/G	TD	2743.00	F
IFRS	40	KHZ	SBR	1.00000	OHMM
MXE4	45.7529	MM/M	DXE4	23.9101	MM/M
MRE4	-.599453	MM/M	DRE4	2.58380	MM/M
MPH4	-2.37585	DEG	DPH4	-1.08922	DEG
MGF4	1.02098		DGF4	1.01995	
DESP	DISA		SFLE	ALLO	
DCAS	1500.00	F	ITEN	ALLO	
DEVI	0.0	DEG	DSES	H48	
IPRO	PHAS		IPHA	NORM	
NCJT	GSRY		GTSE	TEMP	
SHT	80.0000	DEGF	BHT	100.000	DEGF
DTCI	0.0	F	SPAE	ALLO	
BS	8.75000	IN	BHS	OPEN	

REPEAT SECTION

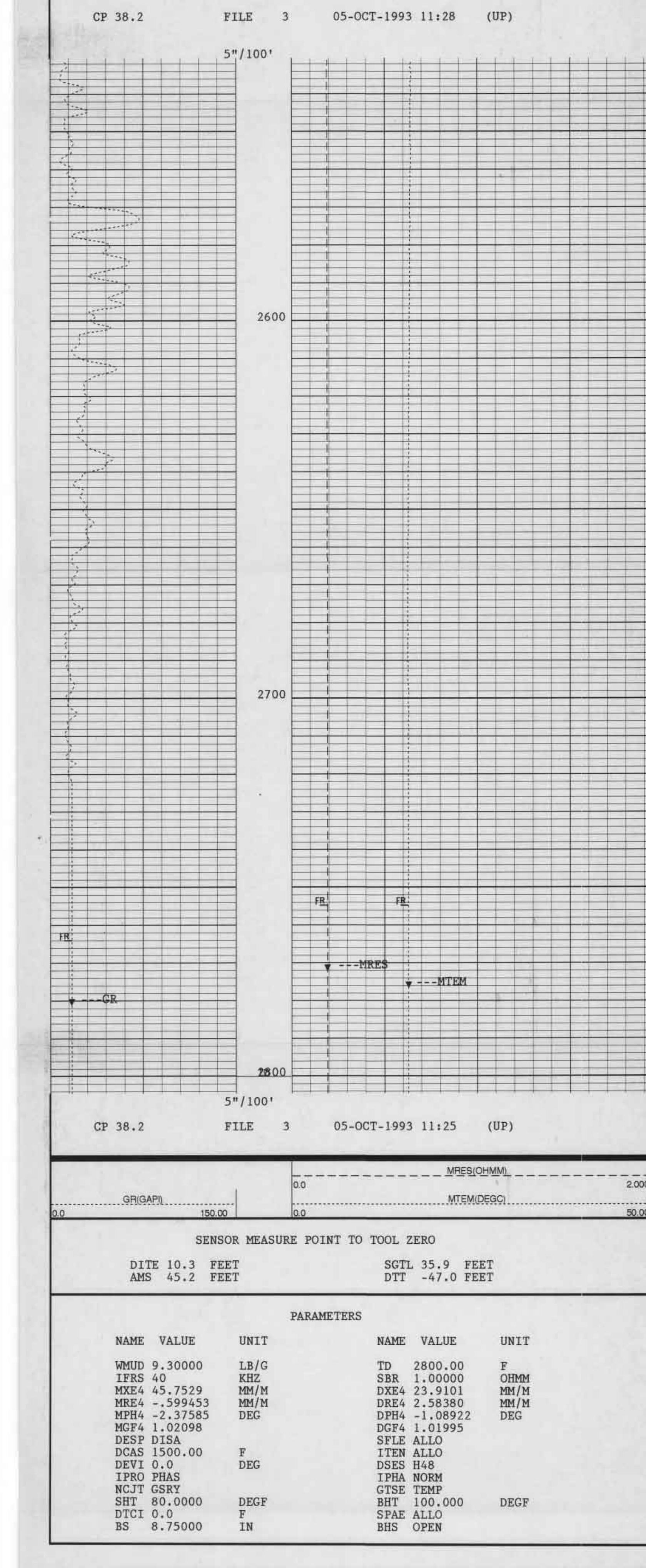
CHANGED PARAMETERS

NAME	VALUE	UNIT	DEPTH (F)	NAME	VALUE	UNIT	DEPTH (F)
TD	2743.00	F	2711.0				

GR(GAPI)		MRES(OHMM)	
0.0	150.00	0.0	2.0000
		MTEM(DEGC)	
		0.0	50.000

CP 38.2 FILE 3 05-OCT-1993 11:28 (UP)

5"/100'



5"/100'

CP 38.2 FILE 3 05-OCT-1993 11:25 (UP)

GR(GAPI)		MRES(OHMM)	
0.0	150.00	0.0	2.0000
		MTEM(DEGC)	
		0.0	50.000

SENSOR MEASURE POINT TO TOOL ZERO

DITE 10.3 FEET — SGTL 35.9 FEET
AMS 45.2 FEET — DTT -47.0 FEET

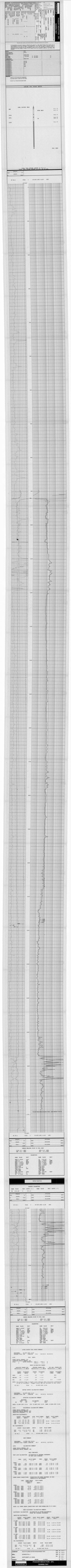
PARAMETERS

NAME	VALUE	UNIT	NAME	VALUE	UNIT
WMUD	9.30000	LB/G	TD	2800.00	F
IFRS	40	KHZ	SBR	1.00000	OHMM
MXE4	45.7529	MM/M	DXE4	23.9101	MM/M
MRE4	-.599453	MM/M	DRE4	2.58380	MM/M
MPH4	-2.37585	DEG	DPH4	-1.08922	DEG
MGF4	1.02098		DGF4	1.01995	
DESP	DISA		SFLE	ALLO	
DCAS	1500.00	F	ITEN	ALLO	
DEVI	0.0	DEG	DSES	H48	
IPRO	PHAS		IPHA	NORM	
NCJT	GSRY		GTSE	TEMP	
SHT	80.0000	DEGF	BHT	100.000	DEGF
DTCI	0.0	F	SPAE	ALLO	
BS	8.75000	IN	BHS	OPEN	

COMPANY	SOUTH FLORIDA WATER MANAGEMENT DIST.			SCHL. FR 2737.0 F
				SCHL. TD 2743.0 F
WELL	SFWMD DF No. 1			DRLR. TD 2743.0 F
FIELD	NORTHWEST L-31 CANAL			Elev: KB 24.5 F
				DF 23.5 F
COUNTY	DADE	STATE	FLORIDA	GL 15.0 F

Schlumberger

FLUID PROPERTIES LOG



Schlumberger

HIGH RESOLUTION TEMPERATURE LOG

COUNTY	DADE	
FIELD	NORTHWEST L-31 CANAL	
LOCATION	SOUTHEAST BANK OF L-31 CANAL	
WELL	SFWMD DF-1	
COMPANY	SOUTH FLORIDA WATER MANAGEMENT DIST.	

COMPANY	SOUTH FLORIDA WATER MANAGEMENT DIST.				
WELL	SFWMD DF-1				
FIELD	NORTHWEST L-31 CANAL				
COUNTY	DADE	STATE	FLORIDA		
LOCATION	SOUTHEAST BANK OF L-31 CANAL CHROME AVENUE			Other Services: LDT/CNL BHC SONIC CALIPER DIL AMS	
API SERIAL NO. N/A	SECT. –	TWP. –	RANGE –		
Permanent Datum	GROUND LEVEL	Elev.	15.0 F	Elev.: K.B. 24.5 F	
Log Measured From	KELLY BUSHING	9.5 F	above Perm. Datum	D.F. 23.5 F	
Drilling Measured From	KELLY BUSHING			G.L. 15.0 F	
Date	07-OCT-1993				
Run No.	ONE				
Depth Driller	2743.0 F				
Depth Logger (Schl.)	2743.0 F				
Btm. Log Interval	2650.0 F				
Top Log Interval	920.0 F				
Casing-Driller	12"	@ 920.0 F	@	@	
Casing-Logger	920.0 F				
Bit Size	8 3/4"	@	@	@	
Type Fluid in Hole	SALT H20 & MUD				
Dens. / Visc.	9.30 LB/G	35.0 S			
pH / Fld. Loss					
Source of Sample	CIRC. TANK				
Rm @ Meas. Temp.	3.420 OHMM	@ 82.0 DEGF	@		
Rmf @ Meas. Temp.	.840 OHMM	@ 85.0 DEGF	@		
Rmc @ Meas. Temp.		@	@		
Source: Rmf / Rmc	MEASURED	NONE			
Rm @ BHT	4.348 OHMM	@ 63.0 DEGF	@		
Circulation Ended	11:00 10/05/93				
Logger on Bottom	22:00 10/07/93				
Max. Rec. Temp.	63.0 DEGF				
Equip. / Location	8170	NATCHEZ, MS.			
Recorded By	BLIZNIK/JONES				
Witnessed By	JOHN LUKASIEWICZ				

The well name, location and borehole reference data were furnished by the customer.

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Run No.	ONE				
Service Order No.	607441				
Drilling Fluid Level					
Salinity	20000.0 PPM				
Rmf @ BHT	1.104 OHMM	@	63.0 DEGF		@
Rmc @ BHT		@	63.0 DEGF		@
Logging Speed	5000.0 F/HR				
EQUIPMENT DATA					
Tool Number 1	–				
Tool Number 2	–				
Tool Number 3	–				
Tool Number 4	–				
Tool Number 5	–				
Tool Number 6	-				
Tool Number 7					
Tool Number 8					
Tool Number 9					
Tool Number 10					
Tool Number 11					
Tool Number 12					

REMARKS:

THANK YOU FOR USING SCHLUMBERGER
YOUR SWS CREW: K.KIRBY & S.TROUTMAN

TD NOT FULLY REACHED ON MAIN PASS

PARAMETERS

NAME	VALUE	UNIT	NAME	VALUE	UNIT
PP	NORM		DO	0.0	F
WMUD	8.40000	LB/G	PDSH	0.0	G/C3
SGSN	0000A-00011		CDAT		
NCJT	GSRE		FCHD	CSID	
PTHR	10.0000	F/MN	NTHR	-10.0000	F/MN
TIRA	.500000		VPCF	.830000	
DEVI	0.0	DEG	FDSH	0.0	G/C3
QIOP	FLOW		TCSH	0.0	IN
BS	8.75000	IN	BHS	OPEN	

SENSOR MEASURE POINT TO TOOL ZERO

CALU	23.0	FEET	DTT	23.0	FEET
EXP	23.0	FEET	FBSB	1.0	FEET
PTSA	6.8	FEET	ATTB	14.1	FEET

0.0 GR(GAPI) 150.00 | -1.000 PDTE(DF/F) 1.0000
0.0 PTEM(DEGF) 150.00 | 61.000 PTEM(DEGF) 65.000
5000.0 TENS(LBF) 0.0

INPUT FILE(S) 4 — CREATION DATE 07-OCT-1993 20:06

CP 38.2 — FILE 31 — 07-OCT-1993 22:50

5"/100'

5"/100'

INPUT FILE(S) 4 — CREATION DATE 07-OCT-1993 20:06

CP 38.2 — FILE 31 — 07-OCT-1993 22:53

0.0 GR(GAPI) 150.00 | -1.000 PDTE(DF/F) 1.0000
0.0 PTEM(DEGF) 150.00 | 61.000 PTEM(DEGF) 65.000
5000.0 TENS(LBF) 0.0

COMPANY	SOUTH FLORIDA WATER MANAGEMENT DIST.			SCHL.	FR	2650.0 F
				SCHL.	TD	2743.0 F
WELL	SFWMD DF-1			DRLR.	TD	2743.0 F
				Elev:	KB	24.5 F
FIELD	NORTHWEST L-31 CANAL				DF	23.5 F
COUNTY	DADE	STATE	FLORIDA		GL	15.0 F

Schlumberger

HIGH RESOLUTION TEMPERATURE LOG

Schlumberger

FULLBORE SPINNER SURVEY

COMPANY	SOUTH FLORIDA WATER MANAGEMENT DIST.
WELL	SFWMD DF-1
FIELD	NORTHWEST L-31 CANAL
COUNTY	DADE
STATE	FLORIDA
LOCATION	SOUTHEAST BANK OF L-31 CANAL, CHROME AVENUE
API SERIAL NO.	N/A
SECT. / TWP. / RANGE	– / – / –
Other Services:	LDT/CNL, BHC SONIC, CALIPER, DIL
Permanent Datum	GROUND LEVEL, Elev. 15.0 F
Elev.:	K.B. 24.5 F, D.F. 23.5 F, G.L. 15.0 F
Log Measured From	KELLY BUSHING 9.5 F above Perm. Datum
Drilling Measured From	KELLY BUSHING
Date	07-OCT-1993
Run No.	ONE
Depth Driller	2743.0 F
Depth Logger (Schl.)	2743.0 F
Btm. Log Interval	2650.0 F
Top Log Interval	920.0 F
Casing-Driller	12" @ 920.0 F
Casing-Logger	920.0 F
Bit Size	8 3/4"
Type Fluid in Hole	SALT H2O & MUD
Dens. / Visc.	9.30 LB/G / 35.0 S
pH / Fld. Loss	
Source of Sample	CIRC. TANK
Rm @ Meas. Temp.	3.420 OHMM @ 82.0 DEGF
Rmf @ Meas. Temp.	.840 OHMM @ 85.0 DEGF
Rmc @ Meas. Temp.	NONE
Source Rmf / Rmc	MEASURED
Rm @ BHT	4.348 OHMM @ 63.0 DEGF
Circulation Ended	11:00 10/05/93
Logger on Bottom	22:00 10/07/93
Max. Rec. Temp.	63.0 DEGF
Equip. / Location	8170 / NATCHEZ, MS.
Recorded By	BLIZNIK/JONES
Witnessed By	JOHN LUKASIEWICZ

COUNTY DADE
FIELD NORTHWEST L-31 CANAL
LOCATION SOUTHEAST BANK OF L-31 CANAL
WELL SFWMD DF-1
COMPANY SOUTH FLORIDA WATER MANAGEMENT D

The well name, location and borehole reference data were furnished by the customer.

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Run No.	ONE
Service Order No.	607441
Drilling Fluid Level	
Salinity	20000.0 PPM
Rmf @ BHT	1.104 OHMM @ 63.0 DEGF
Rmc @ BHT	@ 63.0 DEGF
Logging Speed	5000.0 F/HR
EQUIPMENT DATA	
Tool Number 1	–
Tool Number 2	–
Tool Number 3	–
Tool Number 4	–
Tool Number 5	–
Tool Number 6	–
Tool Number 7	
Tool Number 8	
Tool Number 9	
Tool Number 10	
Tool Number 11	
Tool Number 12	

REMARKS:

THANK YOU FOR USING SCHLUMBERGER
YOUR SWS CREW: K.KIRBY & S.TROUTMAN

TD NOT FULLY REACHED ON MAIN PASS

CLIENT DID NOT WANT A UPLOG

DEPTH = 900'

DATA ACQUIRED LOGGING ON INTERNAL DRIVE
TOOL DEPTH : 899.900 F

0.0	CVEL(F/MN)	200.00	5000.0	TENS(LBF)	0.0
0.0	CVEL(F/MN)	-200.0	55.000	PTEM(DEGF)	75.000
0.0	GR(GAPI)	150.00	0.0	SPIN(RPS)	10.000

CP 38.2 FILE 25 07-OCT-1993 21:52 (UP)

3.33333"/MIN

3.33333"/MIN

CP 38.2 FILE 25 07-OCT-1993 21:51 (UP)

0.0	CVEL(F/MN)	200.00	5000.0	TENS(LBF)	0.0
0.0	CVEL(F/MN)	-200.0	55.000	PTEM(DEGF)	75.000
0.0	GR(GAPI)	150.00	0.0	SPIN(RPS)	10.000

SENSOR MEASURE POINT TO TOOL ZERO

```
PTSA  6.8  FEET        ATTB 14.1  FEET
EXP  -5.0  FEET        FBSB  1.0  FEET
CALU 23.0  FEET        DTT  -5.0  FEET
```

PARAMETERS

```
NAME  VALUE     UNIT       NAME  VALUE        UNIT
SPEE 4000       F/HR       WMUD 8.40000       LB/G
PDSH 0.0        G/C3       SGSN 0000A-00011
CDAT                       NCJT GSRE
FCHD CSID                  PTHR 10.0000       F/MN
NTHR -10.0000   F/MN       TIRA .500000
VPCF .830000               DEVI 0.0           DEG
FDSH 0.0        G/C3       QIOP FLOW
TCSH 0.0        IN         BS   8.75000       IN
BHS  OPEN
```

DEPTH = 974'

DATA ACQUIRED LOGGING ON INTERNAL DRIVE
TOOL DEPTH : 973.700 F

0.0	CVEL(F/MN)	200.00	5000.0	TENS(LBF)	0.0
0.0	CVEL(F/MN)	-200.0	55.000	PTEM(DEGF)	75.000
0.0	GR(GAPI)	150.00	0.0	SPIN(RPS)	10.000

CP 38.2 FILE 24 07-OCT-1993 21:50 (UP)

3.33333"/MIN

3.33333"/MIN

CP 38.2 FILE 24 07-OCT-1993 21:48 (UP)

0.0	CVEL(F/MN)	200.00	5000.0	TENS(LBF)	0.0
0.0	CVEL(F/MN)	-200.0	55.000	PTEM(DEGF)	75.000
0.0	GR(GAPI)	150.00	0.0	SPIN(RPS)	10.000

SENSOR MEASURE POINT TO TOOL ZERO

```
PTSA  6.8  FEET        ATTB 14.1  FEET
EXP  -5.0  FEET        FBSB  1.0  FEET
CALU 23.0  FEET        DTT  -5.0  FEET
```

PARAMETERS

```
NAME  VALUE     UNIT       NAME  VALUE        UNIT
SPEE 4000       F/HR       WMUD 8.40000       LB/G
PDSH 0.0        G/C3       SGSN 0000A-00011
CDAT                       NCJT GSRE
FCHD CSID                  PTHR 10.0000       F/MN
NTHR -10.0000   F/MN       TIRA .500000
VPCF .830000               DEVI 0.0           DEG
FDSH 0.0        G/C3       QIOP FLOW
TCSH 0.0        IN         BS   8.75000       IN
BHS  OPEN
```

DEPTH = 1072'

DATA ACQUIRED LOGGING ON INTERNAL DRIVE
TOOL DEPTH : 1071.90 F

0.0	CVEL(F/MN)	200.00	5000.0	TENS(LBF)	0.0
0.0	CVEL(F/MN)	-200.0	55.000	PTEM(DEGF)	75.000
0.0	GR(GAPI)	150.00	0.0	SPIN(RPS)	10.000

CP 38.2 FILE 23 07-OCT-1993 21:46 (UP)

3.33333"/MIN

3.33333"/MIN

CP 38.2 FILE 23 07-OCT-1993 21:45 (UP)

0.0	CVEL(F/MN)	200.00	5000.0	TENS(LBF)	0.0
0.0	CVEL(F/MN)	-200.0	55.000	PTEM(DEGF)	75.000
0.0	GR(GAPI)	150.00	0.0	SPIN(RPS)	10.000

SENSOR MEASURE POINT TO TOOL ZERO

```
PTSA  6.8  FEET        ATTB 14.1  FEET
EXP  -5.0  FEET        FBSB  1.0  FEET
CALU 23.0  FEET        DTT  -5.0  FEET
```

PARAMETERS

```
NAME  VALUE     UNIT       NAME  VALUE        UNIT
SPEE 4000       F/HR       WMUD 8.40000       LB/G
PDSH 0.0        G/C3       SGSN 0000A-00011
CDAT                       NCJT GSRE
FCHD CSID                  PTHR 10.0000       F/MN
NTHR -10.0000   F/MN       TIRA .500000
VPCF .830000               DEVI 0.0           DEG
FDSH 0.0        G/C3       QIOP FLOW
TCSH 0.0        IN         BS   8.75000       IN
BHS  OPEN
```

DEPTH = 1128'

DATA ACQUIRED LOGGING ON INTERNAL DRIVE
TOOL DEPTH : 1127.80 F

0.0	CVEL(F/MN)	200.00	5000.0	TENS(LBF)	0.0
0.0	CVEL(F/MN)	-200.0	55.000	PTEM(DEGF)	75.000
0.0	GR(GAPI)	150.00	0.0	SPIN(RPS)	10.000

CP 38.2 FILE 22 07-OCT-1993 21:44 (UP)

3.33333"/MIN

3.33333"/MIN

CP 38.2 FILE 22 07-OCT-1993 21:43 (UP)

0.0	CVEL(F/MN)	200.00	5000.0	TENS(LBF)	0.0
0.0	CVEL(F/MN)	-200.0	55.000	PTEM(DEGF)	75.000
0.0	GR(GAPI)	150.00	0.0	SPIN(RPS)	10.000

SENSOR MEASURE POINT TO TOOL ZERO

```
PTSA  6.8  FEET        ATTB 14.1  FEET
EXP  -5.0  FEET        FBSB  1.0  FEET
CALU 23.0  FEET        DTT  -5.0  FEET
```

PARAMETERS

```
NAME  VALUE     UNIT       NAME  VALUE        UNIT
SPEE 4000       F/HR       WMUD 8.40000       LB/G
PDSH 0.0        G/C3       SGSN 0000A-00011
CDAT                       NCJT GSRE
FCHD CSID                  PTHR 10.0000       F/MN
NTHR -10.0000   F/MN       TIRA .500000
VPCF .830000               DEVI 0.0           DEG
FDSH 0.0        G/C3       QIOP FLOW
TCSH 0.0        IN         BS   8.75000       IN
BHS  OPEN
```

DEPTH = 1182'

DATA ACQUIRED LOGGING ON INTERNAL DRIVE
TOOL DEPTH : 1181.80 F

0.0	CVEL(F/MN)	200.00	5000.0	TENS(LBF)	0.0
0.0	CVEL(F/MN)	-200.0	55.000	PTEM(DEGF)	75.000
0.0	GR(GAPI)	150.00	0.0	SPIN(RPS)	10.000

CP 38.2 FILE 21 07-OCT-1993 21:42 (UP)

3.33333"/MIN

3.33333"/MIN

CP 38.2 FILE 21 07-OCT-1993 21:41 (UP)

0.0	CVEL(F/MN)	200.00	5000.0	TENS(LBF)	0.0
0.0	CVEL(F/MN)	-200.0	55.000	PTEM(DEGF)	75.000
0.0	GR(GAPI)	150.00	0.0	SPIN(RPS)	10.000

SENSOR MEASURE POINT TO TOOL ZERO

```
PTSA  6.8  FEET        ATTB 14.1  FEET
EXP  -5.0  FEET        FBSB  1.0  FEET
CALU 23.0  FEET        DTT  -5.0  FEET
```

PARAMETERS

```
NAME  VALUE     UNIT       NAME  VALUE        UNIT
SPEE 4000       F/HR       WMUD 8.40000       LB/G
PDSH 0.0        G/C3       SGSN 0000A-00011
CDAT                       NCJT GSRE
FCHD CSID                  PTHR 10.0000       F/MN
NTHR -10.0000   F/MN       TIRA .500000
VPCF .830000               DEVI 0.0           DEG
FDSH 0.0        G/C3       QIOP FLOW
TCSH 0.0        IN         BS   8.75000       IN
BHS  OPEN
```

DEPTH = 1210'

DATA ACQUIRED LOGGING ON INTERNAL DRIVE
TOOL DEPTH : 1209.80 F

0.0	CVEL(F/MN)	200.00	5000.0	TENS(LBF)	0.0
0.0	CVEL(F/MN)	-200.0	55.000	PTEM(DEGF)	75.000
0.0	GR(GAPI)	150.00	0.0	SPIN(RPS)	10.000

CP 38.2 FILE 20 07-OCT-1993 21:39 (UP)

3.33333"/MIN

3.33333"/MIN

CP 38.2 FILE 20 07-OCT-1993 21:35 (UP)

0.0	CVEL(F/MN)	200.00	5000.0	TENS(LBF)	0.0
0.0	CVEL(F/MN)	-200.0	55.000	PTEM(DEGF)	75.000
0.0	GR(GAPI)	150.00	0.0	SPIN(RPS)	10.000

SENSOR MEASURE POINT TO TOOL ZERO

```
PTSA  6.8  FEET        ATTB 14.1  FEET
EXP  -5.0  FEET        FBSB  1.0  FEET
CALU 23.0  FEET        DTT  -5.0  FEET
```

PARAMETERS

```
NAME  VALUE     UNIT       NAME  VALUE        UNIT
SPEE 4000       F/HR       WMUD 8.40000       LB/G
PDSH 0.0        G/C3       SGSN 0000A-00011
CDAT                       NCJT GSRE
FCHD CSID                  PTHR 10.0000       F/MN
NTHR -10.0000   F/MN       TIRA .500000
VPCF .830000               DEVI 0.0           DEG
FDSH 0.0        G/C3       QIOP FLOW
TCSH 0.0        IN         BS   8.75000       IN
BHS  OPEN
```

DEPTH = 1500'

DATA ACQUIRED LOGGING ON INTERNAL DRIVE
TOOL DEPTH : 1500.00 F

0.0	CVEL(F/MN)	200.00	5000.0	TENS(LBF)	0.0
0.0	CVEL(F/MN)	-200.0	55.000	PTEM(DEGF)	75.000
0.0	GR(GAPI)	150.00	0.0	SPIN(RPS)	10.000

CP 38.2 FILE 19 07-OCT-1993 21:33 (UP)

3.33333"/MIN

3.33333"/MIN

CP 38.2 FILE 19 07-OCT-1993 21:32 (UP)

0.0	CVEL(F/MN)	200.00	5000.0	TENS(LBF)	0.0
0.0	CVEL(F/MN)	-200.0	55.000	PTEM(DEGF)	75.000
0.0	GR(GAPI)	150.00	0.0	SPIN(RPS)	10.000

SENSOR MEASURE POINT TO TOOL ZERO

```
PTSA  6.8  FEET        ATTB 14.1  FEET
EXP  -5.0  FEET        FBSB  1.0  FEET
CALU 23.0  FEET        DTT  -5.0  FEET
```

PARAMETERS

```
NAME  VALUE     UNIT       NAME  VALUE        UNIT
SPEE 4000       F/HR       WMUD 8.40000       LB/G
PDSH 0.0        G/C3       SGSN 0000A-00011
CDAT                       NCJT GSRE
FCHD CSID                  PTHR 10.0000       F/MN
NTHR -10.0000   F/MN       TIRA .500000
VPCF .830000               DEVI 0.0           DEG
FDSH 0.0        G/C3       QIOP FLOW
TCSH 0.0        IN         BS   8.75000       IN
BHS  OPEN
```

DEPTH = 1530'

DATA ACQUIRED LOGGING ON INTERNAL DRIVE
TOOL DEPTH : 1530.00 F

0.0	CVEL(F/MN)	200.00	5000.0	TENS(LBF)	0.0
0.0	CVEL(F/MN)	-200.0	55.000	PTEM(DEGF)	75.000
0.0	GR(GAPI)	150.00	0.0	SPIN(RPS)	10.000

CP 38.2 FILE 18 07-OCT-1993 21:30 (UP)

3.33333"/MIN

3.33333"/MIN

CP 38.2 FILE 18 07-OCT-1993 21:27 (UP)

0.0	CVEL(F/MN)	200.00	5000.0	TENS(LBF)	0.0
0.0	CVEL(F/MN)	-200.0	55.000	PTEM(DEGF)	75.000
0.0	GR(GAPI)	150.00	0.0	SPIN(RPS)	10.000

SENSOR MEASURE POINT TO TOOL ZERO

```
PTSA  6.8  FEET        ATTB 14.1  FEET
EXP  -5.0  FEET        FBSB  1.0  FEET
CALU 23.0  FEET        DTT  -5.0  FEET
```

PARAMETERS

```
NAME  VALUE     UNIT       NAME  VALUE        UNIT
SPEE 4000       F/HR       WMUD 8.40000       LB/G
PDSH 0.0        G/C3       SGSN 0000A-00011
CDAT                       NCJT GSRE
FCHD CSID                  PTHR 10.0000       F/MN
NTHR -10.0000   F/MN       TIRA .500000
VPCF .830000               DEVI 0.0           DEG
FDSH 0.0        G/C3       QIOP FLOW
TCSH 0.0        IN         BS   8.75000       IN
BHS  OPEN
```

DEPTH = 1712'

DATA ACQUIRED LOGGING ON INTERNAL DRIVE
TOOL DEPTH : 1711.80 F

0.0	CVEL(F/MN)	200.00	5000.0	TENS(LBF)	0.0
0.0	CVEL(F/MN)	-200.0	55.000	PTEM(DEGF)	75.000
0.0	GR(GAPI)	150.00	0.0	SPIN(RPS)	10.000

CP 38.2 FILE 17 07-OCT-1993 21:26 (UP)

3.33333"/MIN

3.33333"/MIN

CP 38.2 FILE 17 07-OCT-1993 21:25 (UP)

0.0	CVEL(F/MN)	200.00	5000.0	TENS(LBF)	0.0
0.0	CVEL(F/MN)	-200.0	55.000	PTEM(DEGF)	75.000
0.0	GR(GAPI)	150.00	0.0	SPIN(RPS)	10.000

SENSOR MEASURE POINT TO TOOL ZERO

```
PTSA  6.8  FEET        ATTB 14.1  FEET
EXP  -5.0  FEET        FBSB  1.0  FEET
CALU 23.0  FEET        DTT  -5.0  FEET
```

PARAMETERS

```
NAME  VALUE     UNIT       NAME  VALUE        UNIT
SPEE 4000       F/HR       WMUD 8.40000       LB/G
PDSH 0.0        G/C3       SGSN 0000A-00011
CDAT                       NCJT GSRE
FCHD CSID                  PTHR 10.0000       F/MN
NTHR -10.0000   F/MN       TIRA .500000
VPCF .830000               DEVI 0.0           DEG
FDSH 0.0        G/C3       QIOP FLOW
TCSH 0.0        IN         BS   8.75000       IN
BHS  OPEN
```

DEPTH = 1754'

DATA ACQUIRED LOGGING ON INTERNAL DRIVE
TOOL DEPTH : 1753.80 F

0.0	CVEL(F/MN)	200.00	5000.0	TENS(LBF)	0.0
0.0	CVEL(F/MN)	-200.0	55.000	PTEM(DEGF)	75.000
0.0	GR(GAPI)	150.00	0.0	SPIN(RPS)	10.000

CP 38.2 FILE 16 07-OCT-1993 21:24 (UP)

3.33333"/MIN

3.33333"/MIN

CP 38.2 FILE 16 07-OCT-1993 21:23 (UP)

0.0	CVEL(F/MN)	200.00	5000.0	TENS(LBF)	0.0
0.0	CVEL(F/MN)	-200.0	55.000	PTEM(DEGF)	75.000
0.0	GR(GAPI)	150.00	0.0	SPIN(RPS)	10.000

SENSOR MEASURE POINT TO TOOL ZERO

```
PTSA  6.8  FEET        ATTB 14.1  FEET
EXP  -5.0  FEET        FBSB  1.0  FEET
CALU 23.0  FEET        DTT  -5.0  FEET
```

PARAMETERS

```
NAME  VALUE     UNIT       NAME  VALUE        UNIT
SPEE 4000       F/HR       WMUD 8.40000       LB/G
PDSH 0.0        G/C3       SGSN 0000A-00011
CDAT                       NCJT GSRE
FCHD CSID                  PTHR 10.0000       F/MN
NTHR -10.0000   F/MN       TIRA .500000
VPCF .830000               DEVI 0.0           DEG
FDSH 0.0        G/C3       QIOP FLOW
TCSH 0.0        IN         BS   8.75000       IN
BHS  OPEN
```

DEPTH = 1796'

DATA ACQUIRED LOGGING ON INTERNAL DRIVE
TOOL DEPTH : 1795.80 F

0.0	CVEL(F/MN)	200.00	5000.0	TENS(LBF)	0.0
0.0	CVEL(F/MN)	-200.0	55.000	PTEM(DEGF)	75.000
0.0	GR(GAPI)	150.00	0.0	SPIN(RPS)	10.000

CP 38.2 FILE 15 07-OCT-1993 21:21 (UP)

3.33333"/MIN

3.33333"/MIN

CP 38.2 FILE 15 07-OCT-1993 21:20 (UP)

0.0	CVEL(F/MN)	200.00	5000.0	TENS(LBF)	0.0
0.0	CVEL(F/MN)	-200.0	55.000	PTEM(DEGF)	75.000
0.0	GR(GAPI)	150.00	0.0	SPIN(RPS)	10.000

SENSOR MEASURE POINT TO TOOL ZERO

```
PTSA  6.8  FEET        ATTB 14.1  FEET
EXP  -5.0  FEET        FBSB  1.0  FEET
CALU 23.0  FEET        DTT  -5.0  FEET
```

PARAMETERS

```
NAME  VALUE     UNIT       NAME  VALUE        UNIT
SPEE 4000       F/HR       WMUD 8.40000       LB/G
PDSH 0.0        G/C3       SGSN 0000A-00011
CDAT                       NCJT GSRE
FCHD CSID                  PTHR 10.0000       F/MN
NTHR -10.0000   F/MN       TIRA .500000
VPCF .830000               DEVI 0.0           DEG
FDSH 0.0        G/C3       QIOP FLOW
TCSH 0.0        IN         BS   8.75000       IN
BHS  OPEN
```

DEPTH = 1850'

DATA ACQUIRED LOGGING ON INTERNAL DRIVE
TOOL DEPTH : 1850.00 F

0.0	CVEL(F/MN)	200.00	5000.0	TENS(LBF)	0.0
0.0	CVEL(F/MN)	-200.0	55.000	PTEM(DEGF)	75.000
0.0	GR(GAPI)	150.00	0.0	SPIN(RPS)	10.000

CP 38.2 FILE 14 07-OCT-1993 21:19 (UP)

3.33333"/MIN

3.33333"/MIN

CP 38.2 FILE 14 07-OCT-1993 21:18 (UP)

0.0	CVEL(F/MN)	200.00	5000.0	TENS(LBF)	0.0
0.0	CVEL(F/MN)	-200.0	55.000	PTEM(DEGF)	75.000
0.0	GR(GAPI)	150.00	0.0	SPIN(RPS)	10.000

SENSOR MEASURE POINT TO TOOL ZERO

```
PTSA  6.8  FEET        ATTB 14.1  FEET
EXP  -5.0  FEET        FBSB  1.0  FEET
CALU 23.0  FEET        DTT  -5.0  FEET
```

PARAMETERS

```
NAME  VALUE     UNIT       NAME  VALUE        UNIT
SPEE 4000       F/HR       WMUD 8.40000       LB/G
PDSH 0.0        G/C3       SGSN 0000A-00011
CDAT                       NCJT GSRE
FCHD CSID                  PTHR 10.0000       F/MN
NTHR -10.0000   F/MN       TIRA .500000
VPCF .830000               DEVI 0.0           DEG
FDSH 0.0        G/C3       QIOP FLOW
TCSH 0.0        IN         BS   8.75000       IN
BHS  OPEN
```

DEPTH = 1884'

DATA ACQUIRED LOGGING ON INTERNAL DRIVE
TOOL DEPTH : 1883.90 F

0.0	CVEL(F/MN)	200.00	5000.0	TENS(LBF)	0.0
0.0	CVEL(F/MN)	-200.0	55.000	PTEM(DEGF)	75.000
0.0	GR(GAPI)	150.00	0.0	SPIN(RPS)	10.000

CP 38.2 FILE 13 07-OCT-1993 21:17 (UP)

3.33333"/MIN

3.33333"/MIN

CP 38.2 FILE 13 07-OCT-1993 21:16 (UP)

0.0	CVEL(F/MN)	200.00	5000.0	TENS(LBF)	0.0
0.0	CVEL(F/MN)	-200.0	55.000	PTEM(DEGF)	75.000
0.0	GR(GAPI)	150.00	0.0	SPIN(RPS)	10.000

SENSOR MEASURE POINT TO TOOL ZERO

```
PTSA  6.8  FEET        ATTB 14.1  FEET
EXP  -5.0  FEET        FBSB  1.0  FEET
CALU 23.0  FEET        DTT  -5.0  FEET
```

PARAMETERS

```
NAME  VALUE     UNIT       NAME  VALUE        UNIT
SPEE 4000       F/HR       WMUD 8.40000       LB/G
PDSH 0.0        G/C3       SGSN 0000A-00011
CDAT                       NCJT GSRE
FCHD CSID                  PTHR 10.0000       F/MN
NTHR -10.0000   F/MN       TIRA .500000
VPCF .830000               DEVI 0.0           DEG
FDSH 0.0        G/C3       QIOP FLOW
TCSH 0.0        IN         BS   8.75000       IN
BHS  OPEN
```

DEPTH = 1930'

DATA ACQUIRED LOGGING ON INTERNAL DRIVE
TOOL DEPTH : 1929.70 F

0.0	CVEL(F/MN)	200.00	5000.0	TENS(LBF)	0.0
0.0	CVEL(F/MN)	-200.0	55.000	PTEM(DEGF)	75.000
0.0	GR(GAPI)	150.00	0.0	SPIN(RPS)	10.000

CP 38.2 FILE 12 07-OCT-1993 21:14 (UP)

3.33333"/MIN

3.33333"/MIN

CP 38.2 FILE 12 07-OCT-1993 21:04 (UP)

0.0	CVEL(F/MN)	200.00	5000.0	TENS(LBF)	0.0
0.0	CVEL(F/MN)	-200.0	55.000	PTEM(DEGF)	75.000
0.0	GR(GAPI)	150.00	0.0	SPIN(RPS)	10.000

SENSOR MEASURE POINT TO TOOL ZERO

```
PTSA  6.8  FEET        ATTB 14.1  FEET
EXP  -5.0  FEET        FBSB  1.0  FEET
CALU 23.0  FEET        DTT  -5.0  FEET
```

PARAMETERS

```
NAME  VALUE     UNIT       NAME  VALUE        UNIT
SPEE 4000       F/HR       WMUD 8.40000       LB/G
PDSH 0.0        G/C3       SGSN 0000A-00011
CDAT                       NCJT GSRE
FCHD CSID                  PTHR 10.0000       F/MN
NTHR -10.0000   F/MN       TIRA .500000
VPCF .830000               DEVI 0.0           DEG
FDSH 0.0        G/C3       QIOP FLOW
TCSH 0.0        IN         BS   8.75000       IN
BHS  OPEN
```

DEPTH = 2510'

DATA ACQUIRED LOGGING ON INTERNAL DRIVE
TOOL DEPTH : 2509.90 F

0.0	CVEL(F/MN)	200.00	5000.0	TENS(LBF)	0.0
0.0	CVEL(F/MN)	-200.0	55.000	PTEM(DEGF)	75.000
0.0	GR(GAPI)	150.00	0.0	SPIN(RPS)	10.000

CP 38.2 FILE 11 07-OCT-1993 21:02 (UP)

3.33333"/MIN

3.33333"/MIN

CP 38.2 FILE 11 07-OCT-1993 21:01 (UP)

0.0	CVEL(F/MN)	200.00	5000.0	TENS(LBF)	0.0
0.0	CVEL(F/MN)	-200.0	55.000	PTEM(DEGF)	75.000
0.0	GR(GAPI)	150.00	0.0	SPIN(RPS)	10.000

SENSOR MEASURE POINT TO TOOL ZERO

```
PTSA  6.8  FEET        ATTB 14.1  FEET
EXP  -5.0  FEET        FBSB  1.0  FEET
CALU 23.0  FEET        DTT  -5.0  FEET
```

PARAMETERS

```
NAME  VALUE     UNIT       NAME  VALUE        UNIT
SPEE 4000       F/HR       WMUD 8.40000       LB/G
PDSH 0.0        G/C3       SGSN 0000A-00011
CDAT                       NCJT GSRE
FCHD CSID                  PTHR 10.0000       F/MN
NTHR -10.0000   F/MN       TIRA .500000
VPCF .830000               DEVI 0.0           DEG
FDSH 0.0        G/C3       QIOP FLOW
TCSH 0.0        IN         BS   8.75000       IN
BHS  OPEN
```

DEPTH = 2560'

DATA ACQUIRED LOGGING ON INTERNAL DRIVE
TOOL DEPTH : 2559.90 F

0.0	CVEL(F/MN)	200.00	5000.0	TENS(LBF)	0.0
0.0	CVEL(F/MN)	-200.0	55.000	PTEM(DEGF)	75.000
0.0	GR(GAPI)	150.00	0.0	SPIN(RPS)	10.000

CP 38.2 FILE 10 07-OCT-1993 21:00 (UP)

3.33333"/MIN

3.33333"/MIN

CP 38.2 FILE 10 07-OCT-1993 20:59 (UP)

0.0	CVEL(F/MN)	200.00	5000.0	TENS(LBF)	0.0
0.0	CVEL(F/MN)	-200.0	55.000	PTEM(DEGF)	75.000
0.0	GR(GAPI)	150.00	0.0	SPIN(RPS)	10.000

SENSOR MEASURE POINT TO TOOL ZERO

```
PTSA  6.8  FEET        ATTB 14.1  FEET
EXP  -5.0  FEET        FBSB  1.0  FEET
CALU 23.0  FEET        DTT  -5.0  FEET
```

PARAMETERS

```
NAME  VALUE     UNIT       NAME  VALUE        UNIT
SPEE 4000       F/HR       WMUD 8.40000       LB/G
PDSH 0.0        G/C3       SGSN 0000A-00011
CDAT                       NCJT GSRE
FCHD CSID                  PTHR 10.0000       F/MN
NTHR -10.0000   F/MN       TIRA .500000
VPCF .830000               DEVI 0.0           DEG
FDSH 0.0        G/C3       QIOP FLOW
TCSH 0.0        IN         BS   8.75000       IN
BHS  OPEN
```

DEPTH = 2572'

DATA ACQUIRED LOGGING ON INTERNAL DRIVE
TOOL DEPTH : 2572.00 F

0.0	CVEL(F/MN)	200.00	5000.0	TENS(LBF)	0.0
0.0	CVEL(F/MN)	-200.0	55.000	PTEM(DEGF)	75.000
0.0	GR(GAPI)	150.00	0.0	SPIN(RPS)	10.000

CP 38.2 FILE 9 07-OCT-1993 20:58 (UP)

3.33333"/MIN

3.33333"/MIN

CP 38.2 FILE 9 07-OCT-1993 20:57 (UP)

0.0	CVEL(F/MN)	200.00	5000.0	TENS(LBF)	0.0
0.0	CVEL(F/MN)	-200.0	55.000	PTEM(DEGF)	75.000
0.0	GR(GAPI)	150.00	0.0	SPIN(RPS)	10.000

SENSOR MEASURE POINT TO TOOL ZERO

```
PTSA  6.8  FEET        ATTB 14.1  FEET
EXP  -5.0  FEET        FBSB  1.0  FEET
CALU 23.0  FEET        DTT  -5.0  FEET
```

PARAMETERS

```
NAME  VALUE     UNIT       NAME  VALUE        UNIT
SPEE 4000       F/HR       WMUD 8.40000       LB/G
PDSH 0.0        G/C3       SGSN 0000A-00011
CDAT                       NCJT GSRE
FCHD CSID                  PTHR 10.0000       F/MN
NTHR -10.0000   F/MN       TIRA .500000
VPCF .830000               DEVI 0.0           DEG
FDSH 0.0        G/C3       QIOP FLOW
TCSH 0.0        IN         BS   8.75000       IN
BHS  OPEN
```

DEPTH = 2590'

DATA ACQUIRED LOGGING ON INTERNAL DRIVE
TOOL DEPTH : 2590.00 F

0.0	CVEL(F/MN)	200.00	5000.0	TENS(LBF)	0.0
0.0	CVEL(F/MN)	-200.0	55.000	PTEM(DEGF)	75.000
0.0	GR(GAPI)	150.00	0.0	SPIN(RPS)	10.000

CP 38.2 FILE 8 07-OCT-1993 20:56 (UP)

3.33333"/MIN

3.33333"/MIN

CP 38.2 FILE 8 07-OCT-1993 20:54 (UP)

0.0	CVEL(F/MN)	200.00	5000.0	TENS(LBF)	0.0
0.0	CVEL(F/MN)	-200.0	55.000	PTEM(DEGF)	75.000
0.0	GR(GAPI)	150.00	0.0	SPIN(RPS)	10.000

SENSOR MEASURE POINT TO TOOL ZERO

```
PTSA  6.8  FEET        ATTB 14.1  FEET
EXP  -5.0  FEET        FBSB  1.0  FEET
CALU 23.0  FEET        DTT  -5.0  FEET
```

PARAMETERS

```
NAME  VALUE     UNIT       NAME  VALUE        UNIT
SPEE 4000       F/HR       WMUD 8.40000       LB/G
PDSH 0.0        G/C3       SGSN 0000A-00011
CDAT                       NCJT GSRE
FCHD CSID                  PTHR 10.0000       F/MN
NTHR -10.0000   F/MN       TIRA .500000
VPCF .830000               DEVI 0.0           DEG
FDSH 0.0        G/C3       QIOP FLOW
TCSH 0.0        IN         BS   8.75000       IN
BHS  OPEN
```

DEPTH = 2620'

DATA ACQUIRED LOGGING ON INTERNAL DRIVE
TOOL DEPTH : 2620.00 F

0.0	CVEL(F/MN)	200.00	5000.0	TENS(LBF)	0.0
0.0	CVEL(F/MN)	-200.0	55.000	PTEM(DEGF)	75.000
0.0	GR(GAPI)	150.00	0.0	SPIN(RPS)	10.000

CP 38.2 FILE 6 07-OCT-1993 20:51 (UP)

3.33333"/MIN

3.33333"/MIN

CP 38.2 FILE 6 07-OCT-1993 20:49 (UP)

0.0	CVEL(F/MN)	200.00	5000.0	TENS(LBF)	0.0
0.0	CVEL(F/MN)	-200.0	55.000	PTEM(DEGF)	75.000
0.0	GR(GAPI)	150.00	0.0	SPIN(RPS)	10.000

SENSOR MEASURE POINT TO TOOL ZERO

```
GR   14.1  FEET        CVEL  1.0  FEET
PPVC  6.8  FEET        PTVC  5.8  FEET
SVFG  1.0  FEET        PRVC  4.8  FEET
EXT   0.0  FEET        SPIN  1.0  FEET
EXP2  0.0  FEET        EXP3  0.0  FEET
TENS -5.0  FEET        EXP1  0.0  FEET
CCL  23.0  FEET
```

PARAMETERS

```
NAME  VALUE     UNIT       NAME  VALUE        UNIT
SPEE 4000       F/HR       WMUD 8.40000       LB/G
PDSH 0.0        G/C3       SGSN 0000A-00011
CDAT                       NCJT GSRE
FCHD CSID                  PTHR 10.0000       F/MN
NTHR -10.0000   F/MN       TIRA .500000
VPCF .830000               DEVI 0.0           DEG
FDSH 0.0        G/C3       QIOP FLOW
TCSH 0.0        IN         BS   8.75000       IN
BHS  OPEN
```

DEPTH = 2650'

DATA ACQUIRED LOGGING ON INTERNAL DRIVE
TOOL DEPTH : 2650.00 F

0.0	CVEL(F/MN)	200.00	5000.0	TENS(LBF)	0.0
0.0	CVEL(F/MN)	-200.0	55.000	PTEM(DEGF)	75.000
0.0	GR(GAPI)	150.00	0.0	SPIN(RPS)	10.000

CP 38.2 FILE 5 07-OCT-1993 20:48 (UP)

3.33333"/MIN

3.33333"/MIN

CP 38.2 FILE 5 07-OCT-1993 20:45 (UP)

0.0	CVEL(F/MN)	200.00	5000.0	TENS(LBF)	0.0
0.0	CVEL(F/MN)	-200.0	55.000	PTEM(DEGF)	75.000
0.0	GR(GAPI)	150.00	0.0	SPIN(RPS)	10.000

SENSOR MEASURE POINT TO TOOL ZERO

```
GR   14.1  FEET        CVEL  1.0  FEET
PPVC  6.8  FEET        PTVC  5.8  FEET
SVFG  1.0  FEET        PRVC  4.8  FEET
EXT   0.0  FEET        SPIN  1.0  FEET
EXP2  0.0  FEET        EXP3  0.0  FEET
TENS -5.0  FEET        EXP1  0.0  FEET
CCL  23.0  FEET
```

PARAMETERS

```
NAME  VALUE     UNIT       NAME  VALUE        UNIT
SPEE 4000       F/HR       WMUD 8.40000       LB/G
PDSH 0.0        G/C3       SGSN 0000A-00011
CDAT                       NCJT GSRE
FCHD CSID                  PTHR 10.0000       F/MN
NTHR -10.0000   F/MN       TIRA .500000
VPCF .830000               DEVI 0.0           DEG
FDSH 0.0        G/C3       QIOP FLOW
TCSH 0.0        IN         BS   8.75000       IN
BHS  OPEN
```

DOWNLOG

PARAMETERS

NAME	VALUE	UNIT
ABSO B.100000		LA/G
ACCM 00006.00011		
CSGD 0.00000		
FTBH 10.0000		F/HR
TIMA 1.50000		
TOOL 1.0000		DEC
LICN 8/96		
BS 8.75000		IN

NAME	VALUE	UNIT
MUDE 0.0		G/CC
CDAT		
CDTM 0039		
ETIM -10.0000		F/HR
VOLT 4.80000		
MUDE 0.0		G/CC
TIME 8:00		
CSGB 0.00000		IN

SENSOR MEASURE POINT TO TOOL ZERO

CCL	33.0	TEMP	33.0
EXPI	0.0	EXPI	0.0
EXPS	0.0	EXPS	0.0
FPSI	0.0	FPSI	0.0
FPSS	0.0	FPSS	0.0
CNSL	0.0	GR	34.1
CNSS	0.0		

TEMP	33.0	FEET
EXPI	0.0	FEET
EXPS	0.0	FEET
FPSI	0.0	FEET
FPSS	0.0	FEET
GR	34.1	FEET

CP 38.2 FILE 4 07-OCT-1993 20:38 (SONN)

CP 38.2 FILE 4 07-OCT-1993 20:43 (SONN)

DATA ACQUIRED SONCONN SONN

COMPANY	SOUTH FLORIDA WATER MANAGEMENT DIST.
WELL	SPWMD DF-1
FIELD	NORTHWEST L31 CANAL
COUNTY	DADE
STATE	FLORIDA

ROYAL PB 20117
ROYAL TB 20117
SPACE TB 21117
Elev RB 0117
DF 0117
GL 7117

Schlumberger

FULLBORE

SPINNER SURVEY

Section 1