FORM 0395
Rev. 10/87

SOUTH FLORIDA WATER MANAGEMENT DISTRICT

WELL LOG

WELL LOCATION

County MONROE
Station I. D. 0870000001
Date 02/08/94 Well No. KW-CORE (Key West)
Latitude 24°.33'.31" Longitude 81°.44'.07
SE ¼ NE ¼ NW ¼ NE Section 02 Township 68S Range 25E
Owner B.O.G. Phone
Driller J. MORRIL Date Drilled 02/08/94

WELL CONSTRUCTION

Drilling Method: Rot. X Air __ CT __ Auger __ Other CORE BARREL
T. Depth - Driller 1070' T. Depth - Logger 1070'
Casing Depth Driller 60' Casing Depth Logger 60'
Bit Size 3 7/8" Casing Dia. I.D. 3.8"
Hole Dia. 3 7/8" From 0' To 1070' Dia. From To
Type of Casing STEEL Casing Thickness 0.2"
Type of Screen OPEN HOLE Screen Int. From To
Type of Packing Well Use exploration
Static Water Level Date
Yield Flow Pump

DATUM

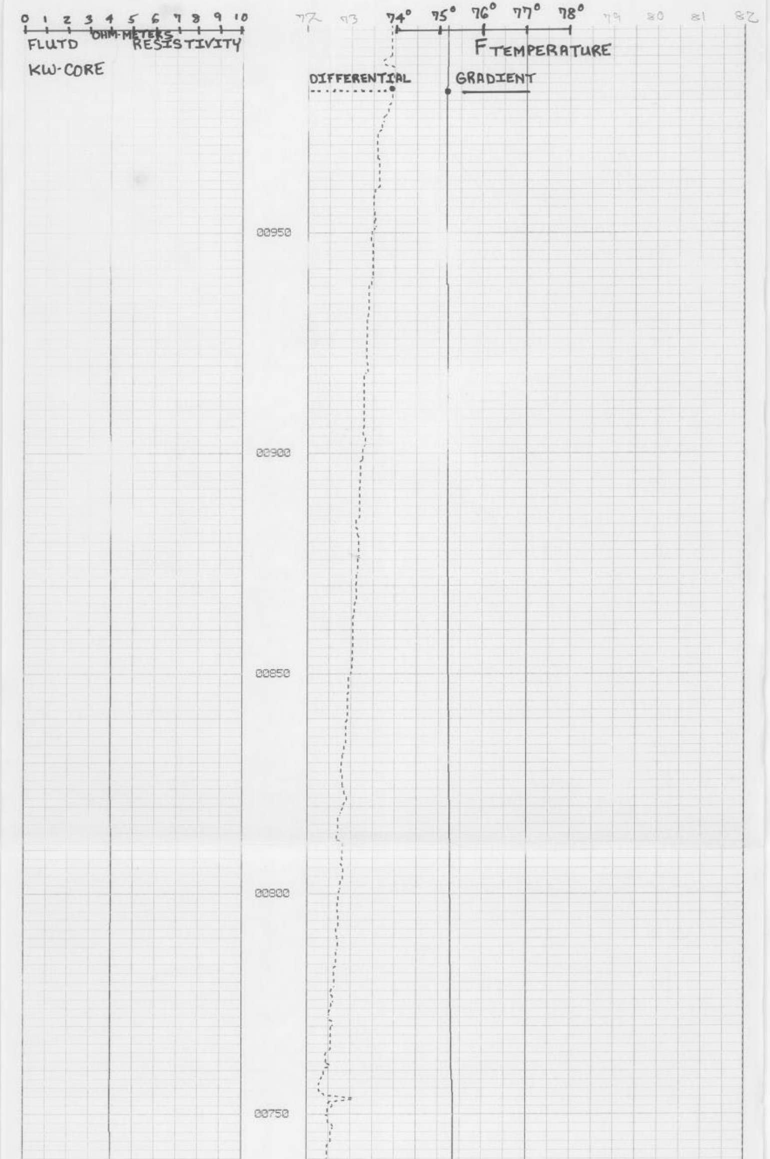
K.B. L.S. + 4.00' NGVD (Est.) T.O.C.

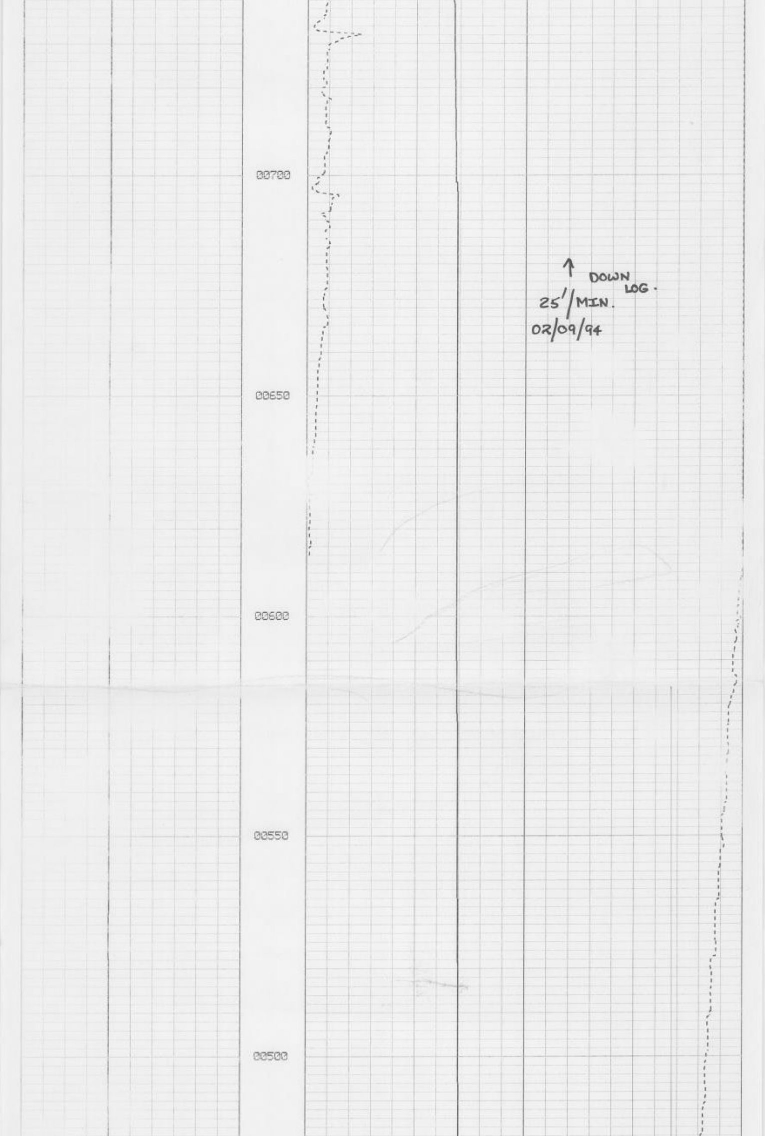
FLUID QUALITY

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: HUNG Flowmeter And Temp. TooL At 980'. COULD NOT PROCEED DEEPER. NO DENSITY OR 6' LATERAL DUE to tight BOREHOLE CONDITIONS.

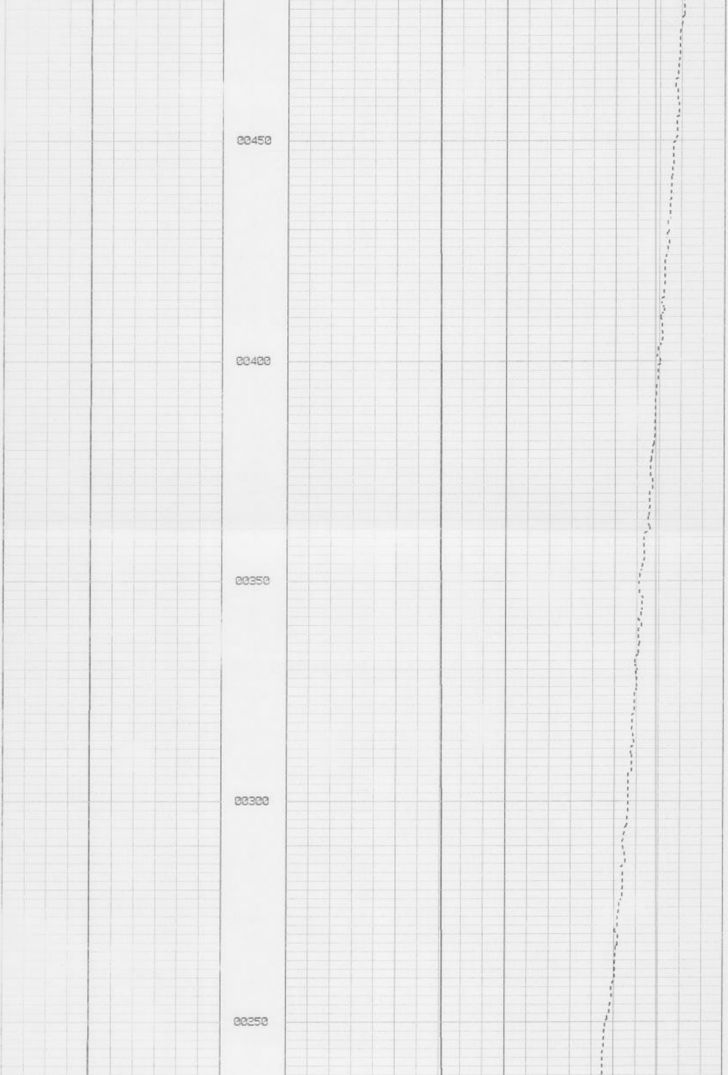
TYPE OF SURVEYS RUN

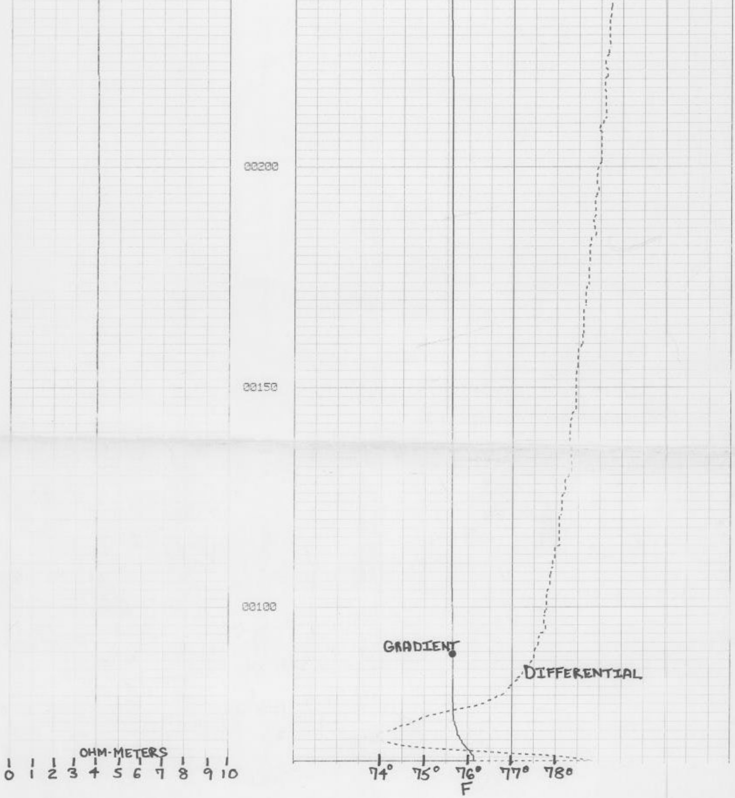
Lateral 6'	( )	Density	( )
Caliper	(X)	ccl	( )
Flow meter	(X)	Fluid Sampler	( )
16", 64" normals	(X)	Temperature	●
Neutron	(X)	Delta Temp.	●
Natural Gamma	(X)	SP	( )
Fluid Resistivity	●	Single pt.	(x)





↑ DOWN LOG.
25'/MIN.
02/09/94





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WELL LOCATION

County MONROE
Station I. D. 0870000001
Date 02/08/94 Well No. KW-CORE (Key West)
Latitude 24°.33'.31" Longitude 81°.44'.07
× 255602 y 82509
SE ¼ NE ¼ NW ¼ NE Section 02 Township 68S Range 25E
Owner B.O.G. Phone
Driller J. MORRIL Date Drilled 02/08/94

WELL CONSTRUCTION

Drilling Method: Rot. X Air __ CT __ Auger __ Other CORE BARREL
T. Depth - Driller 1070' T. Depth - Logger 1070'
Casing Depth Driller 60' Casing Depth Logger 60'
Bit Size 3 7/8" Casing Dia. I.D. 3.8"
Hole Dia. 3 7/8" From 0' To 1070' Dia. ____ From ____ To ____
Type of Casing STEEL Casing Thickness 0.2"
Type of Screen OPENHOLE Screen Int. From ____ To ____
Type of Packing ____ Well Use exploration
Static Water Level ____ Date ____
Yield Flow ____ Pump ____

DATUM

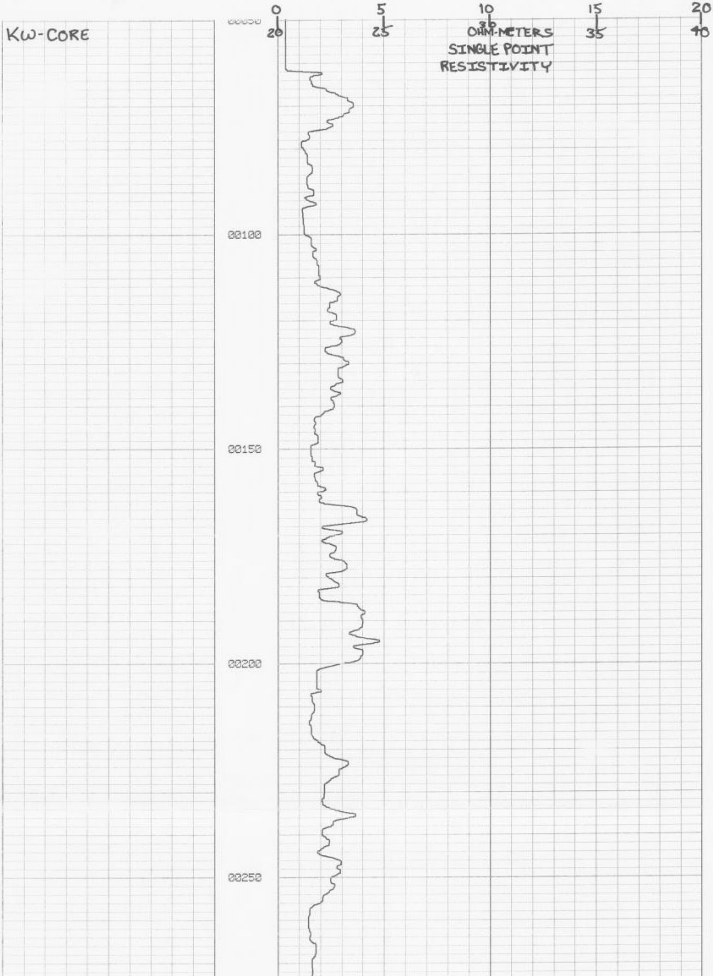
K.B. ____ L.S. + 4.00' NGVD (Est.) T.O.C. ____

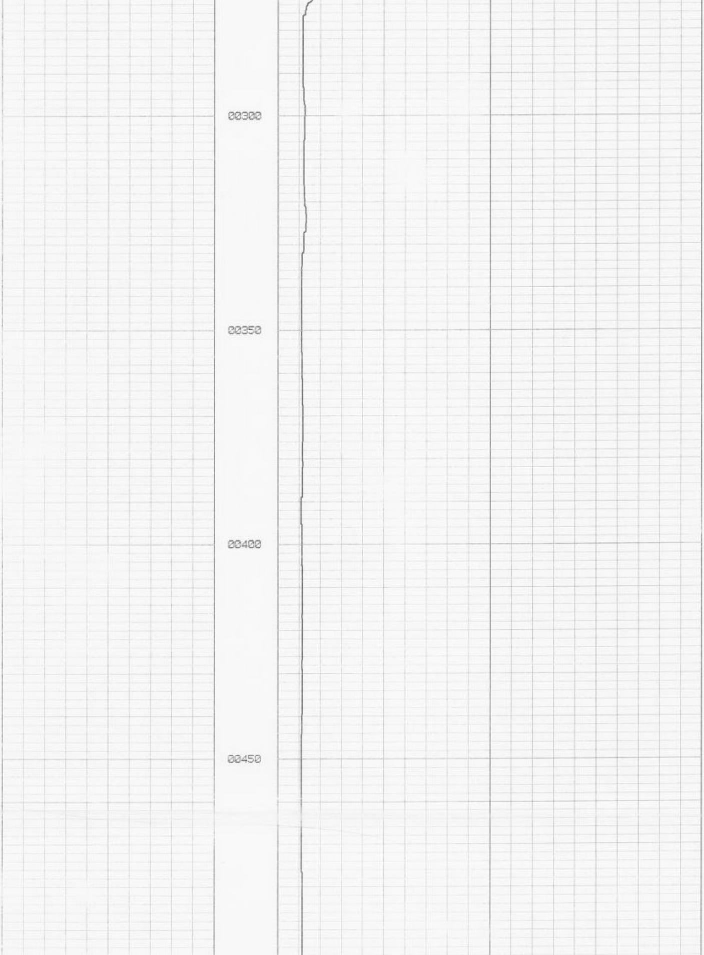
FLUID QUALITY

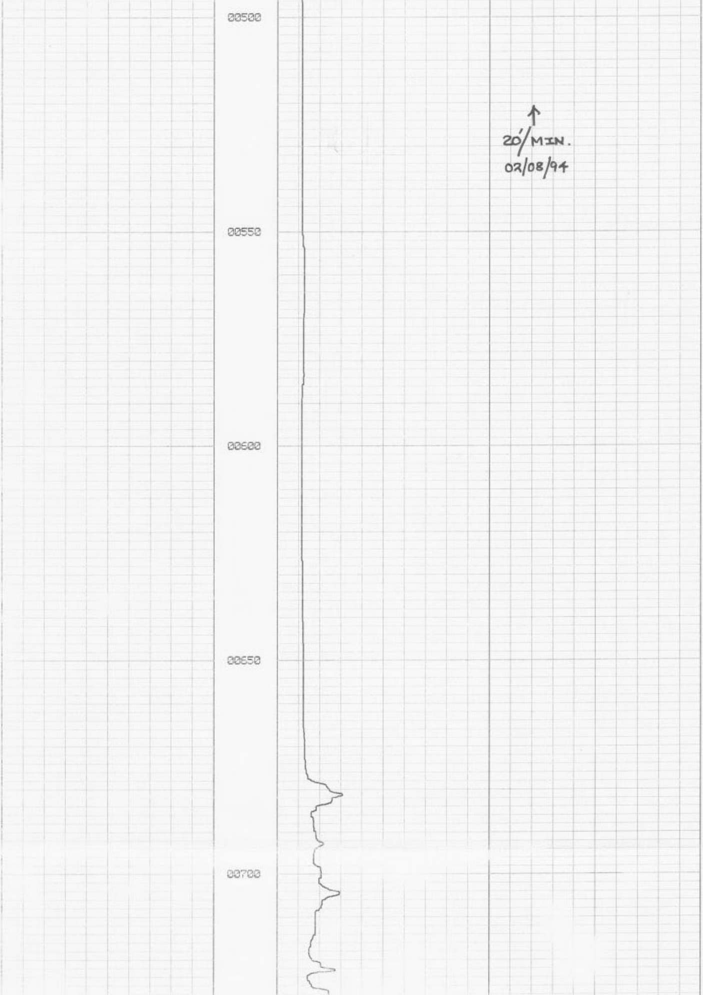
Date ____ Time ____ Source of Sample ____
Cl ____ mg/l Type of Fluid ____
Temp. ____ °C Field Density ____ @ ____ °C
T.D.S. ____ mg/l Spec. Cond. ____ µmhos/cm
Logged By: E.P DAUENHAUER Witnessed By: D. DEMONSTRANTI
Comments: Hung Flowmeter and Temp. Tool At 980'. COULD NOT PROCEED DEEPER. NO DENSITY OR 6' LATERAL DUE to tight BOREHOLE CONDITIONS.
BOCA CHICA KEY #349

TYPE OF SURVEYS RUN

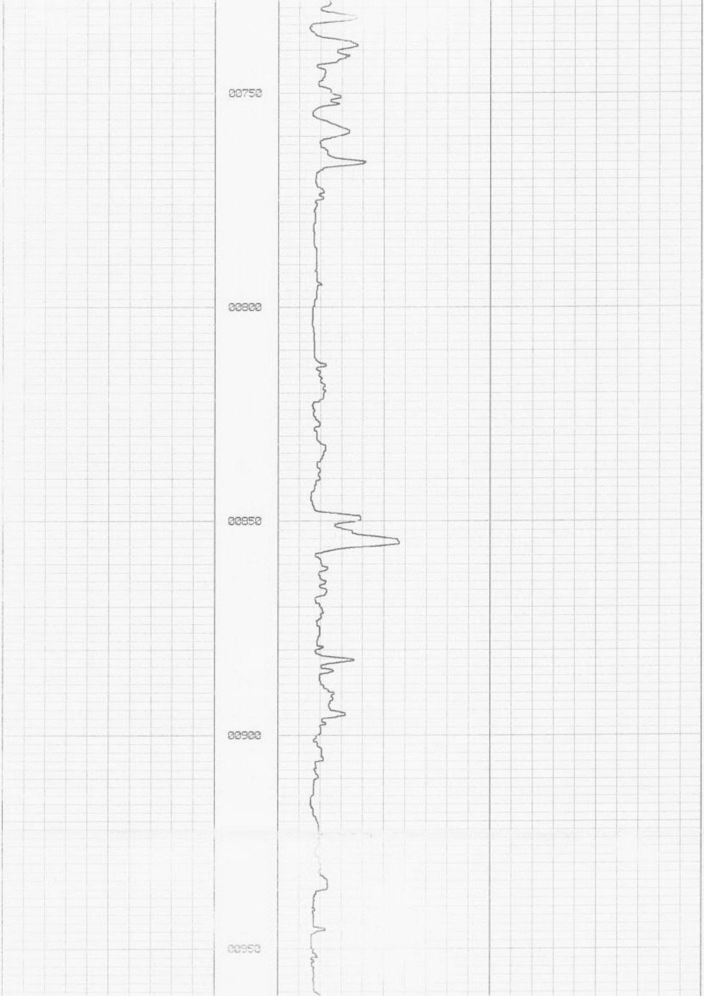
Lateral 6'	☐	Density	☐
Caliper	☒	ccl	☐
Flow meter	☒	Fluid Sampler	☐
16", 64" normals	☒	Temperature	☒
Neutron	☒	Delta Temp.	☒
Natural Gamma	☒	SP	☐
Fluid Resistivity	☒	Single pt.	●

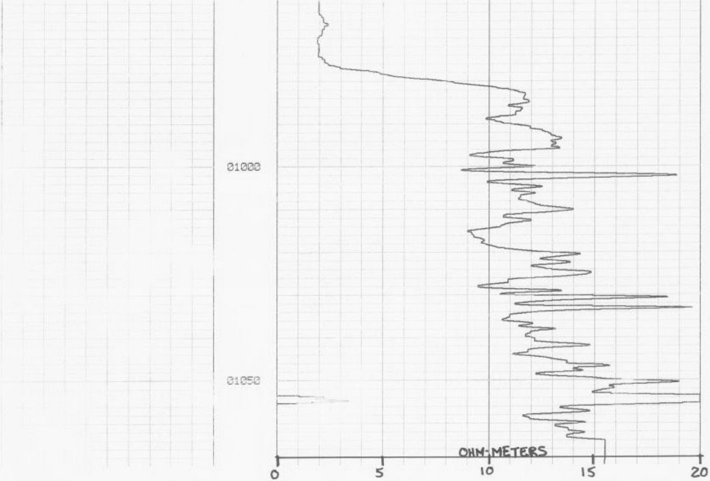






↑
20'/MIN.
02/08/94





Borehole: FGS STOCK ISLAND
Client: UNIVERSITY OF MIAMI RSMAS
Field:
Area: MONROE CO.
Country: USA/FLORIDA

W-17086

MULTICHANNEL SONIC LOG

SLIMLINE GRAPHICS UNIT

Permanent Datum GROUND LEVEL, Elevation
Log measured from G.L., 0 FT above permanent datum
Drilling measured from G.L., 0 FT above permanent datum

KB
DF
GL

Location

Date	10-FEB-1994			
Run Number	ONE			
Depth-Driller	1072 FT			
Depth-Logger	1009 FT			
First Reading	1003.5 FT			
Last Reading	0 FT			
Casing-Driller	60 FT			
Casing-Logger	60 FT			
Bit Size	3 7/8 INCH			
Hole Fluid Type	WATER			
Dens./Visc.				
PH/Fluid Loss				
Sample Source				
Rm @ Meas Temp				
Rmf @ Meas Temp				
Rmc @ Meas Temp				
Source: Rmf/Rmc				
Rm @ BHT				
Time Since Circ				
Max Rec Temp				
Equipment/Base	V829 EVV			
Recorded by	D. TALBOTT			
Witnessed by	B. WARZESKI			

LSD
SEC
TWP
RGE
OTHER SERVICES
CCS

RUN NUMBER	BOREHOLE RECORD			CASING RECORD			
	BIT	FROM	TO	SIZE	WEIGHT	FROM	TO
ONE	3 7/8 INCH	60 FT	1072 FT	4 INCH		SURFACE	60 FT

EQUIPMENT	RUN 1	RUN 2	RUN 3	RUN 4
MCS	337			

REMARKS:

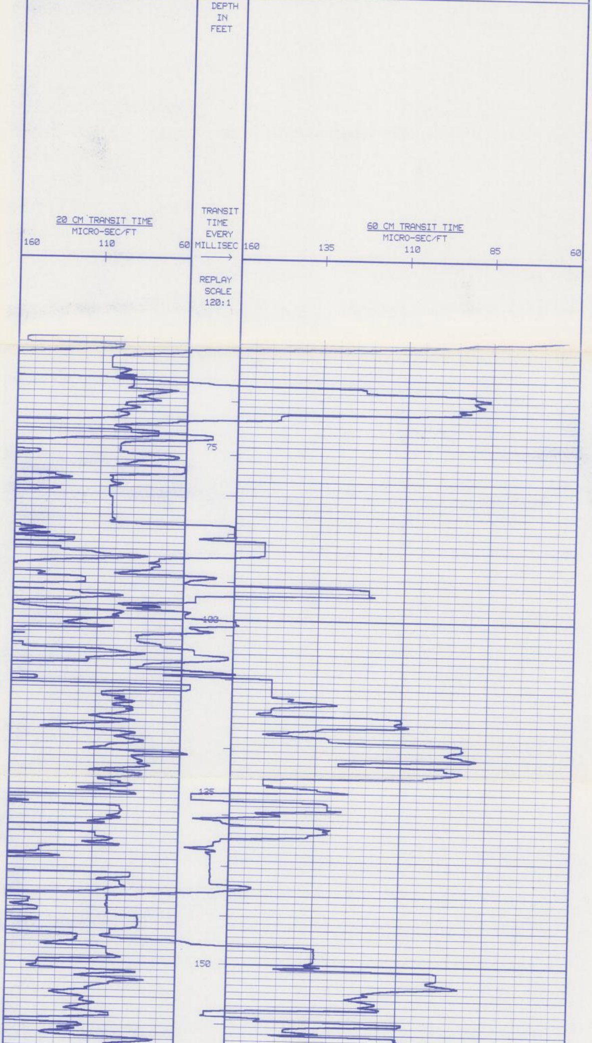
MULTICHANNEL SONIC LOG

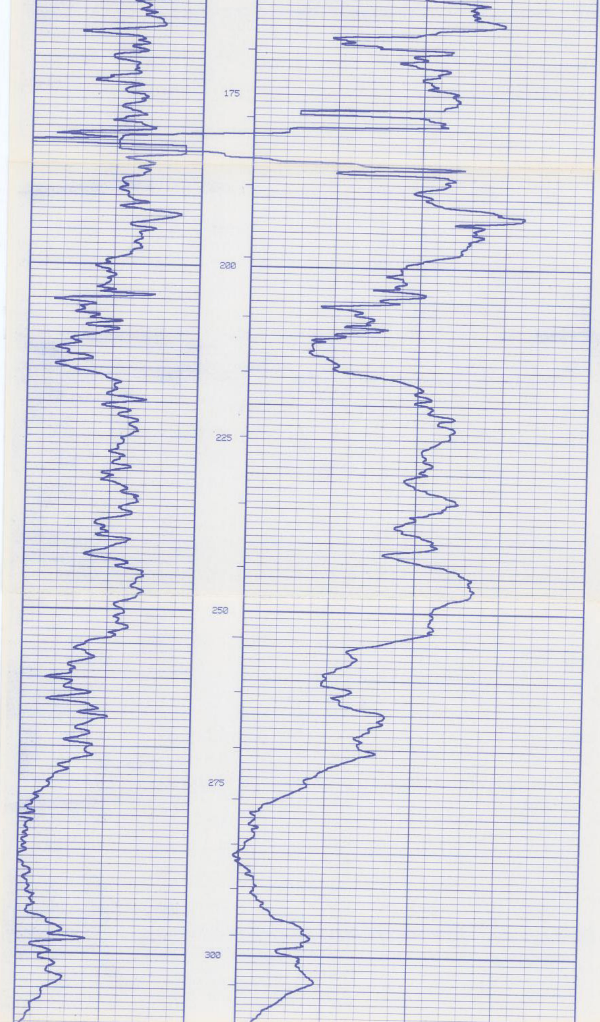
SYSTEM CONFIGURATION DATES: LOGGED 8-MAR-1993 PROCESSED 8-MAR-1993 PLOTTED 5-FEB-1993

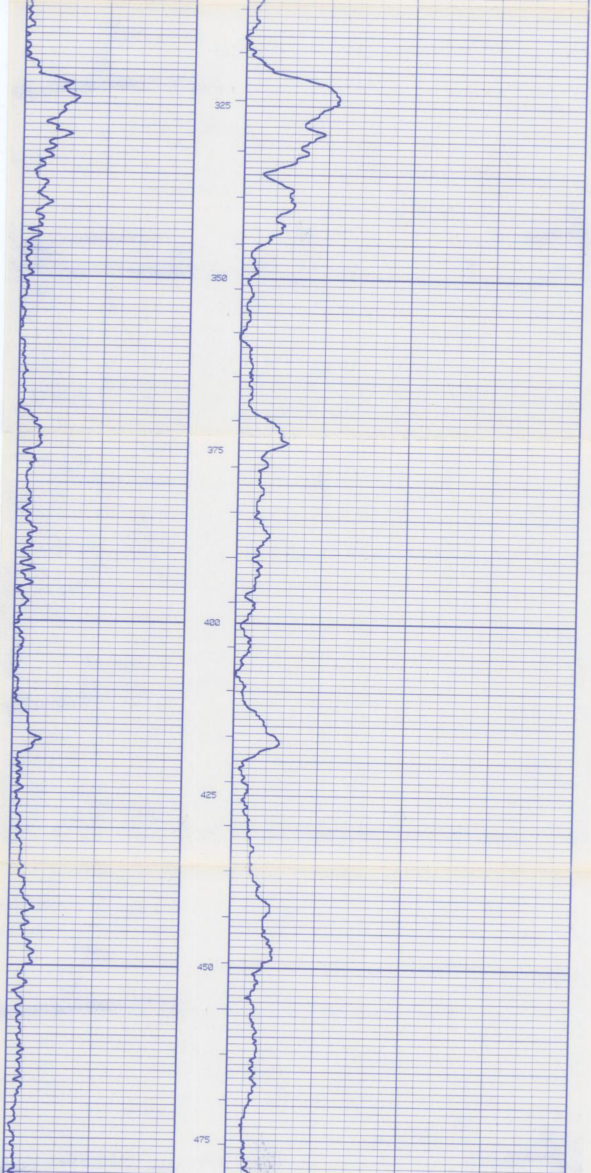
ALL INTERPRETATIONS ARE OPINIONS BASED ON INFERENCES FROM ELECTRICAL OR OTHER MEASUREMENTS AND WE CANNOT, AND DO NOT, GUARANTEE THE ACCURACY OR CORRECTNESS OF ANY INTERPRETATIONS, AND WE SHALL NOT, EXCEPT IN THE CASE OF GROSS OR WILFUL NEGLIGENCE ON OUR PART, BE LIABLE OR RESPONSIBLE FOR ANY LOSS, COSTS, DAMAGES OR EXPENSES INCURRED OR SUSTAINED BY ANYONE RESULTING FROM ANY INTERPRETATION MADE BY ANY OF OUR OFFICERS, AGENTS OR EMPLOYEES. THESE INTERPRETATIONS ARE ALSO SUBJECT TO OUR GENERAL TERMS AND CONDITIONS AS SET OUT IN OUR CURRENT PRICE SCHEDULE.

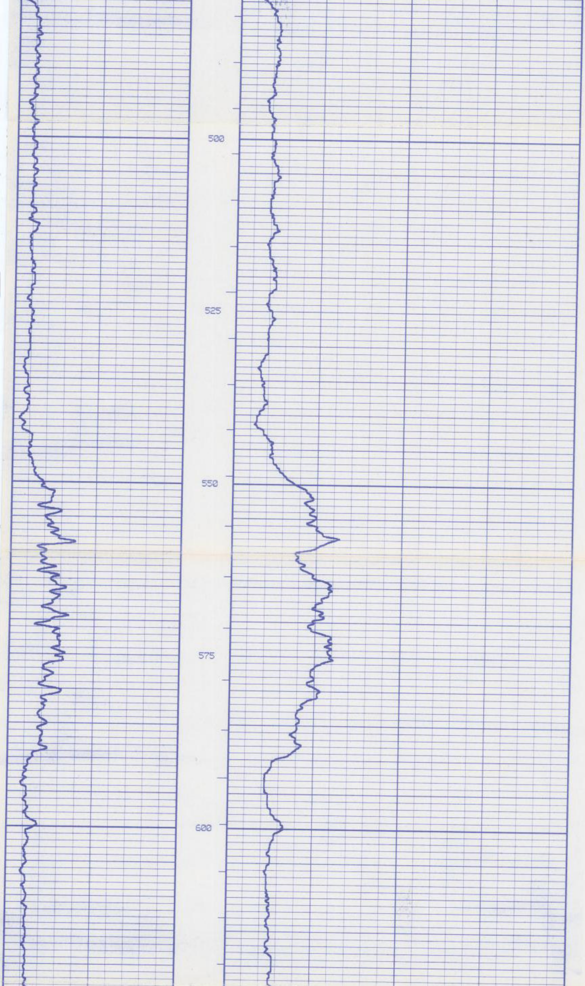
↓ MAIN LOG ↓

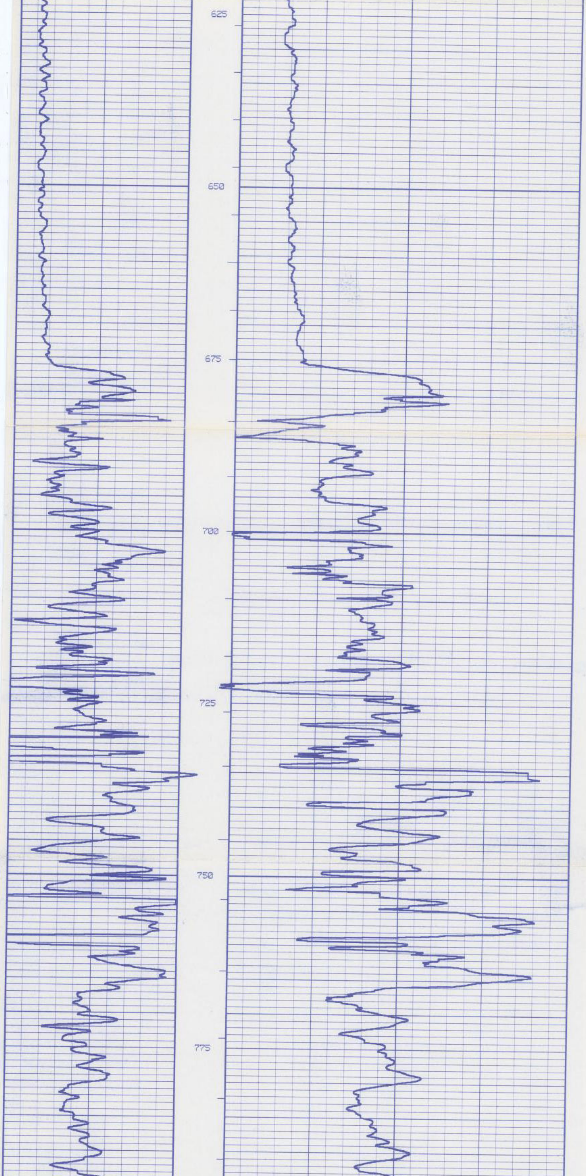
DEPTH BASED DATA - MAXIMUM SAMPLING INCREMENT 1CM
FILENAME: MCS4SI1M.CIB
RUN ID: MAIN LOG
RECORDED ON 10-FEB-1994 AT 8:58
PLOTTED ON 15-FEB-1994 AT 11:11

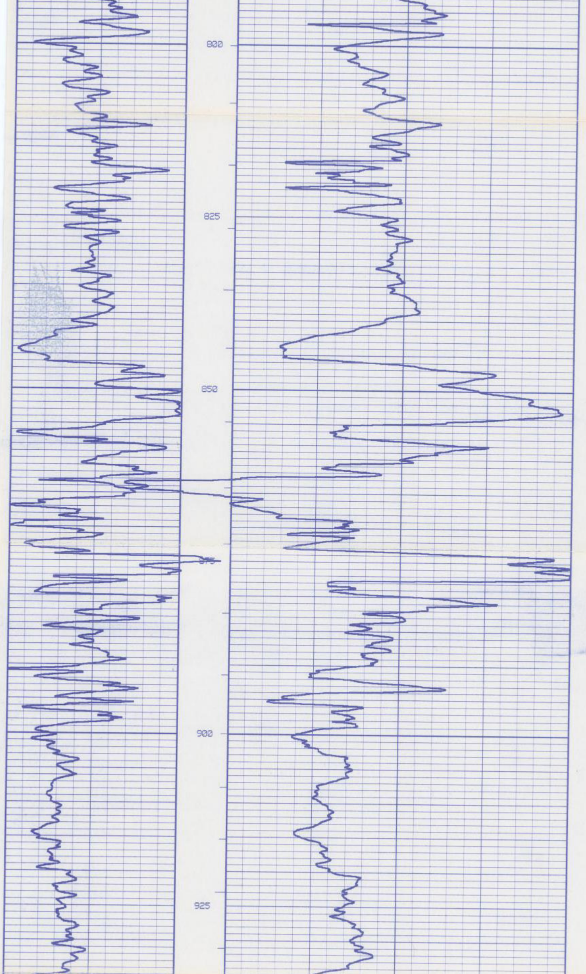


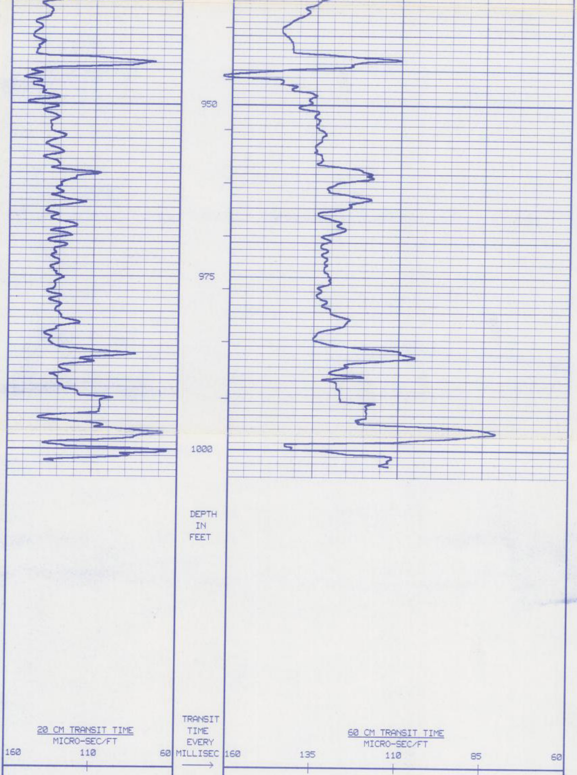












REPLAY SCALE 120:1

DEPTH BASED DATA – MAXIMUM SAMPLING INCREMENT 1CM

RECORDED ON 10-FEB-1994 AT 8:58

FILENAME: MCS4SI1M.CIB

RUN ID: MAIN LOG

PLOTTED ON 15-FEB-1994 AT 11:09

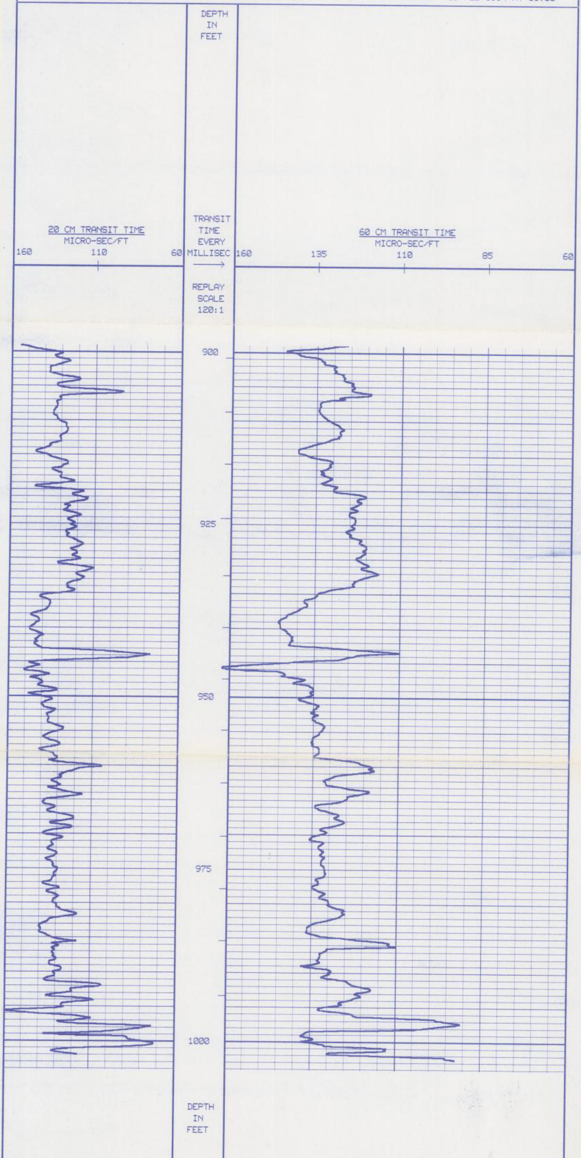
↑ MAIN LOG ↑

↓ REPEAT SECTION ↓

DEPTH BASED DATA – MAXIMUM SAMPLING INCREMENT 1CM

RECORDED ON 10-FEB-1994 AT 8:50

FILENAME: MCS4SI1R.CIB RUN ID: REPEAT SECTION PLOTTED ON 15-FEB-1994 AT 11:08



20 CM TRANSIT TIME MICRO-SEC/FT 160 110 60	TRANSIT TIME EVERY MILLISEC ⟶ REPLAY SCALE 120:1	60 CM TRANSIT TIME MICRO-SEC/FT 160 135 110 85 60

DEPTH BASED DATA - MAXIMUM SAMPLING INCREMENT 1CM
FILENAME: MCS4SI1R.CIB RUN ID: REPEAT SECTION
RECORDED ON 10-FEB-1994 AT 8:50
PLOTTED ON 15-FEB-1994 AT 11:08

↑ REPEAT SECTION ↑

LOGGING/CALIBRATION CONSTANTS

DATA LAST REPROCESSED: 15-FEB-1994 AT 10:55 CONSTANTS LAST EDITED: 15-FEB-1994 AT 10:55

LOGGING CONSTANTS AND BIT SIZE MEASUREMENTS

Sonic interval units	FEET	Sonic porosity matrix	LIMESTNE
Limestone matrix transit time	47.50	Sandstone matrix transit time	55.50
Fluid interval transit time	189.00	MSBC (micro-sec/ft)	100.00
Curve for SPOR	MC2F		
Bit units (ins/mm)	INCHES	Bit depth units (m/ft)	FEET
Bit size 1	3.87	Bit depth 1	10.00
Bit size 2	.00	Bit depth 2	.00
Bit size 3	.00	Bit depth 3	.00
Bit size 4	.00	Bit depth 4	.00
Bit size 5	.00	Bit depth 5	.00

CLIENT	UNIVERSITY OF MIAMI RSMAS
BOREHOLE	FGS STOCK ISLAND
FIELD	
AREA	MONROE CO.
COUNTRY	USA/FLORIDA

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SE ¼ NE ¼ NW ¼ NE Section 02 Township 68S Range 25E

Owner B.O.G. Phone

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T. Depth - Driller 1070' T. Depth - Logger 1070'

Casing Depth Driller 60' Casing Depth Logger 60'

Bit Size 3 7/8" Casing Dia. I.D. 3.8"

Hole Dia. 3 7/8" From 0' To 1070' Dia. ____ From ____ To ____

Type of Casing STEEL Casing Thickness 0.2"

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

Type of Packing ____ Well Use exploration

Static Water Level ____ Date ____

Yield Flow ____ Pump ____

DATUM

K.B. ____ L.S. + 4.00' NGVD (Est.) 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

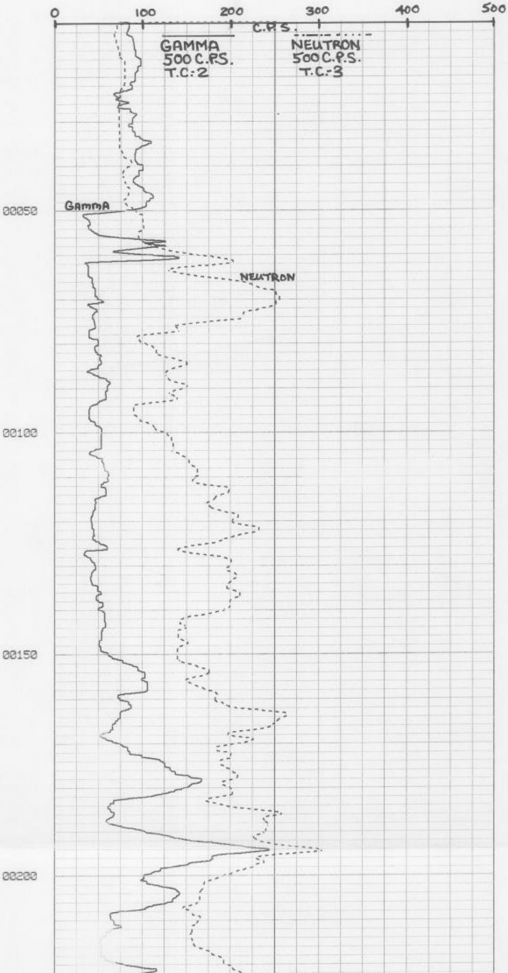
Logged By: E.P. DAUENHAUER Witnessed By: D. DEMONSTRANTI

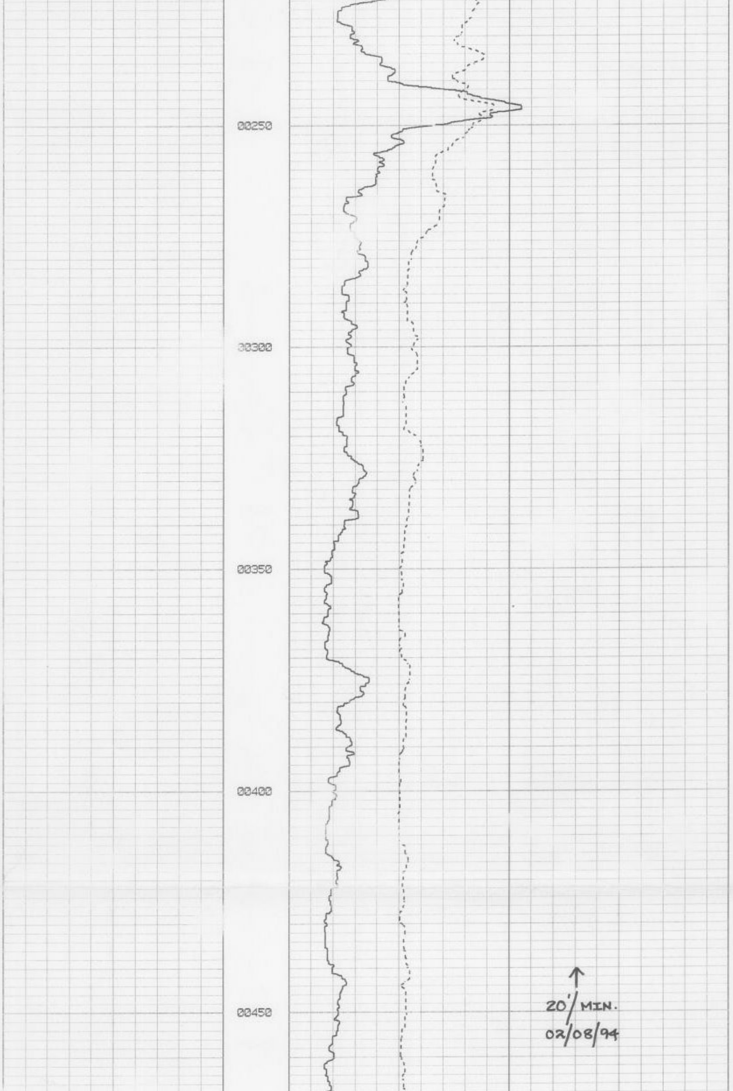
Comments: HUNG FLOWMETER AND TEMP. TOOL AT 980'. COULD NOT PROCEED DEEPER. NO DENSITY OR 6' LATERAL DUE TO TIGHT BOREHOLE CONDITIONS.

TYPE OF SURVEYS RUN

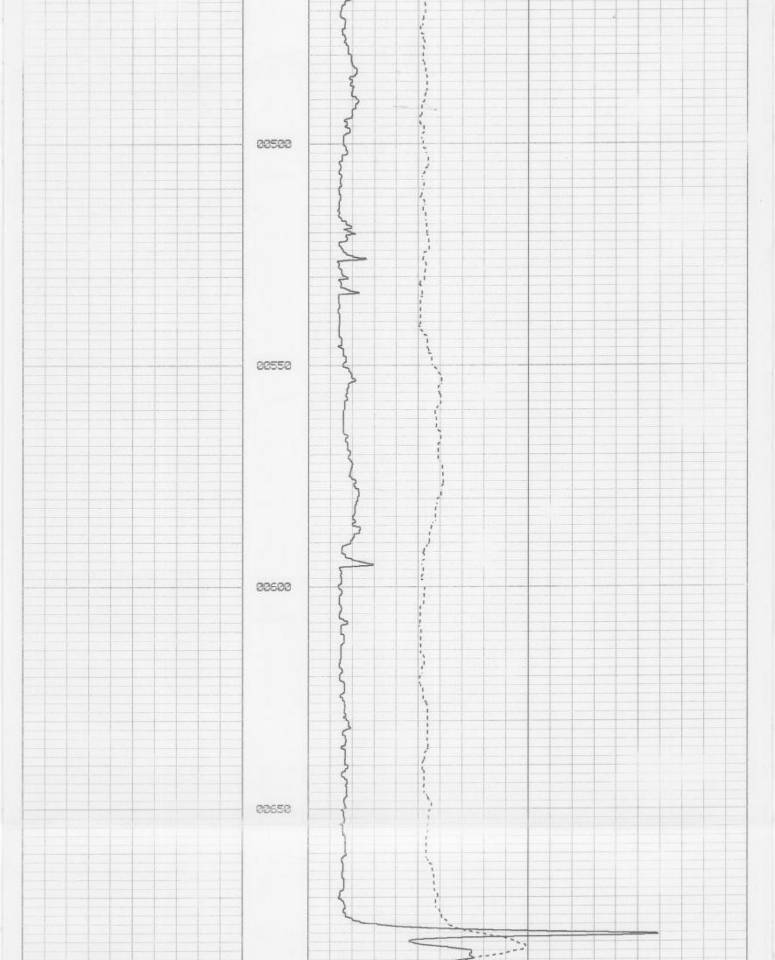
Lateral 6'	(·)	Density	( )
Caliper	(X)	ccl	( )
Flow meter	(X)	Fluid Sampler	( )
16", 64" normals	(X)	Temperature	(X)
Neutron	●	Delta Temp.	(X)
Natural Gamma	●	SP	( )
Fluid Resistivity	(X)	Single pt.	(x)

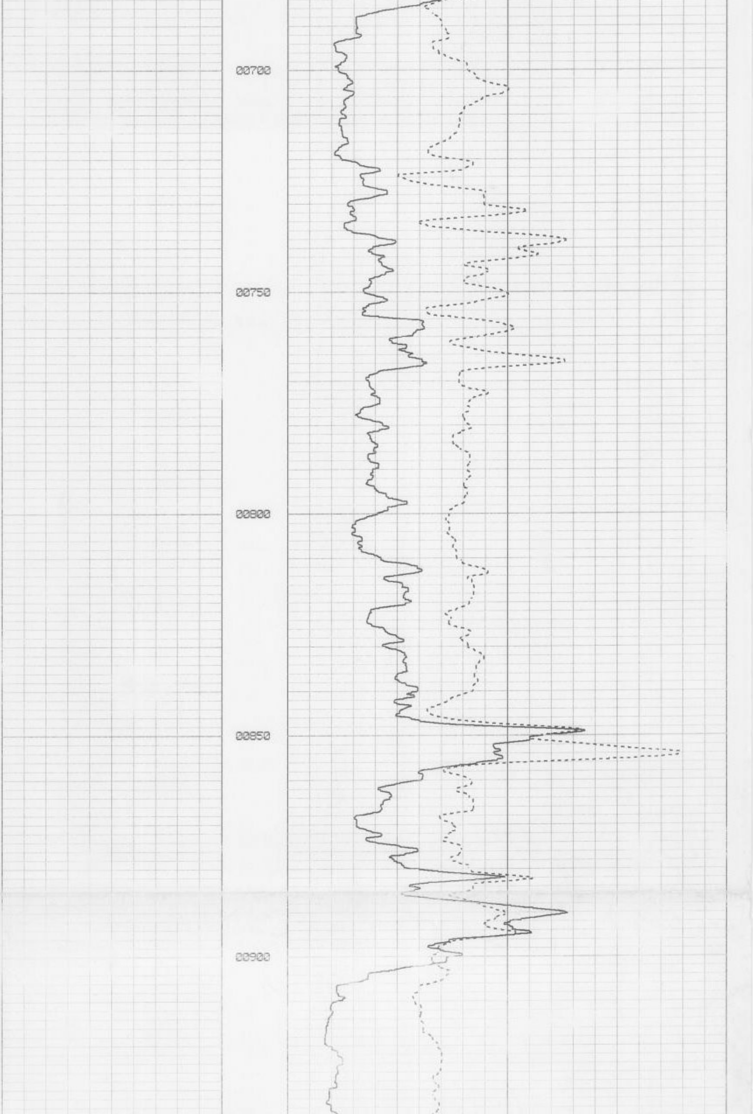
KW· CORE

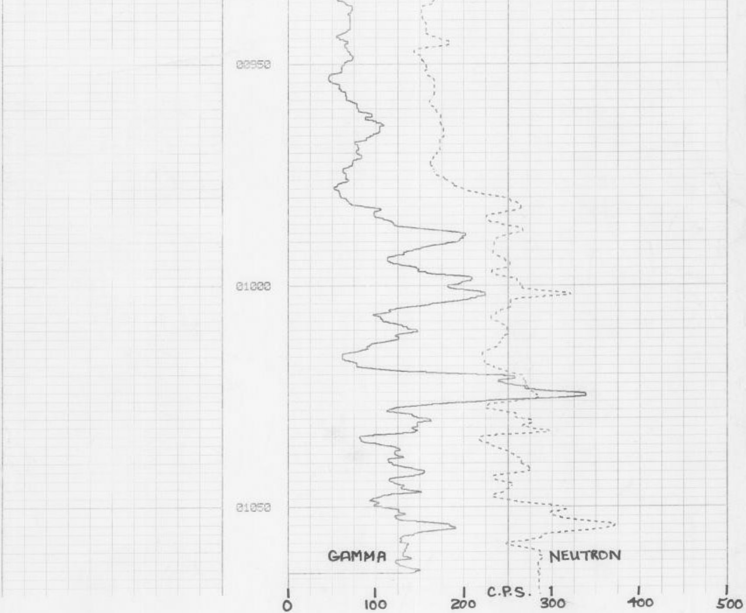




↑
20'/MIN.
02/08/94







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Casing Depth Driller 60' Casing Depth Logger 60'

Bit Size 3 7/8" Casing Dia. I.D. 3.8"

Hole Dia. 3 7/8" From 0' To 1070' Dia. __ From __ To __

Type of Casing STEEL Casing Thickness 0.3"

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

Type of Packing __ Well Use exploration

Static Water Level __ Date __

Yield Flow __ Pump __

DATUM

K.B. __ L.S. + 4.00' NGVD (Est.) T.O.C. __

FLUID QUALITY

Date __ Time __ Source of Sample __

Cl __ mg/l Type of Fluid __

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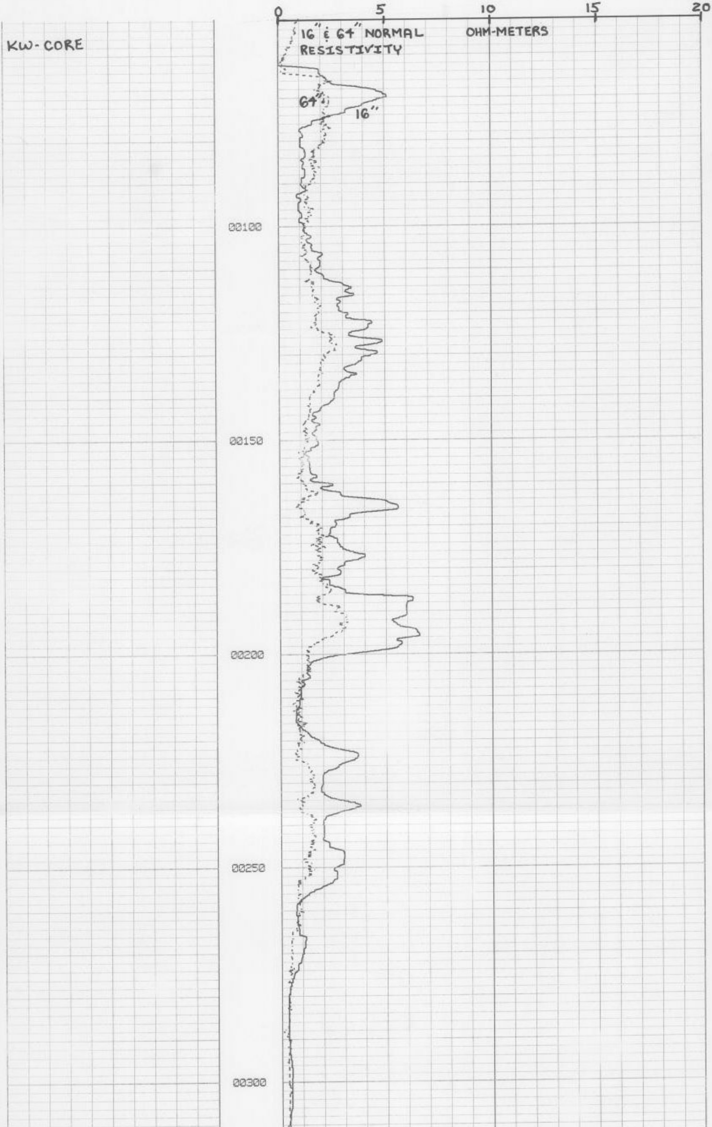
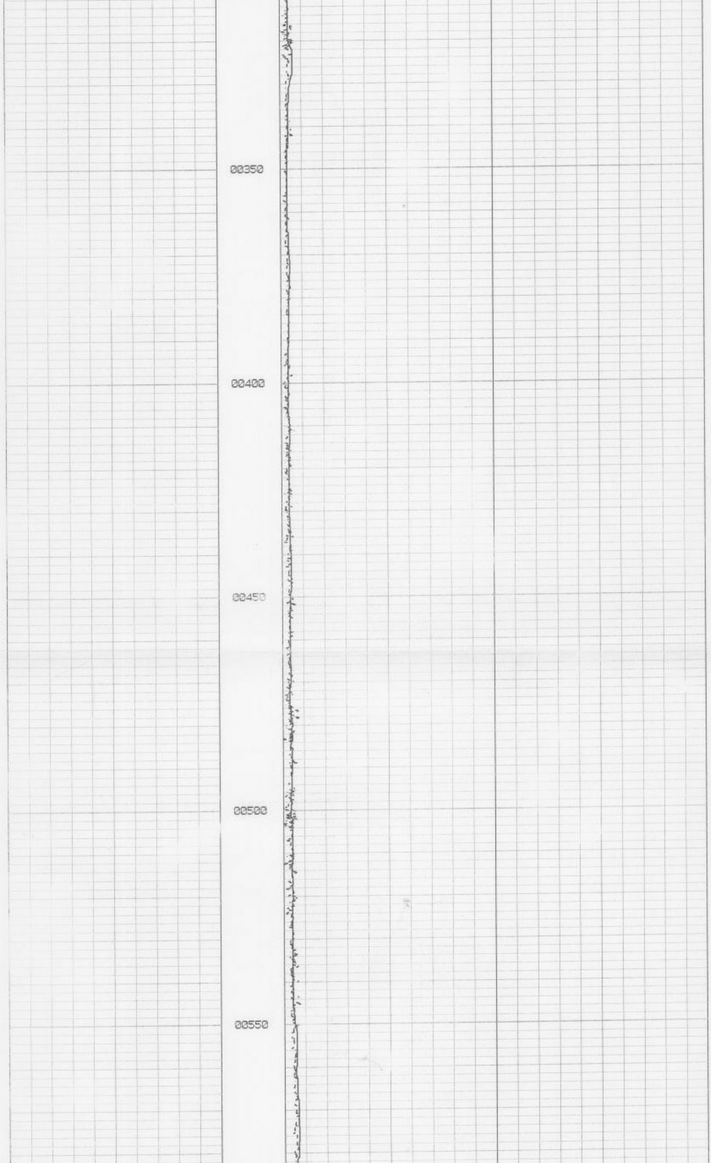
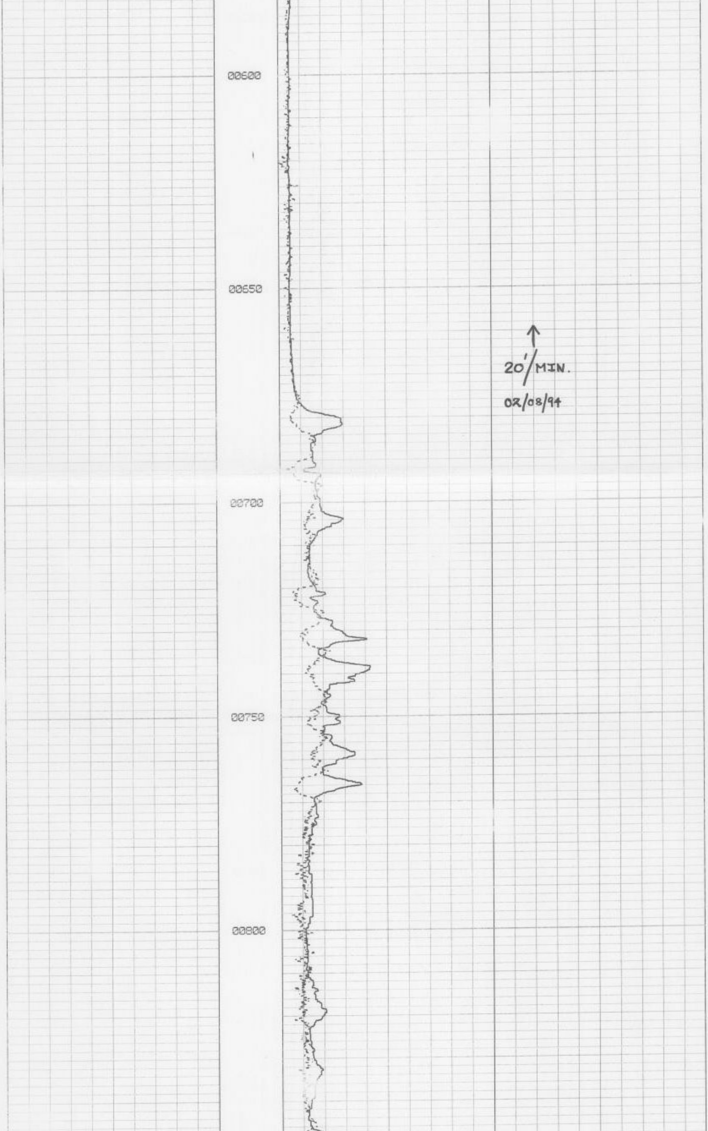
Natural Gamma	(X)	SP	( )
Fluid Resistivity	(X)	Single pt.	(x)

KW- CORE

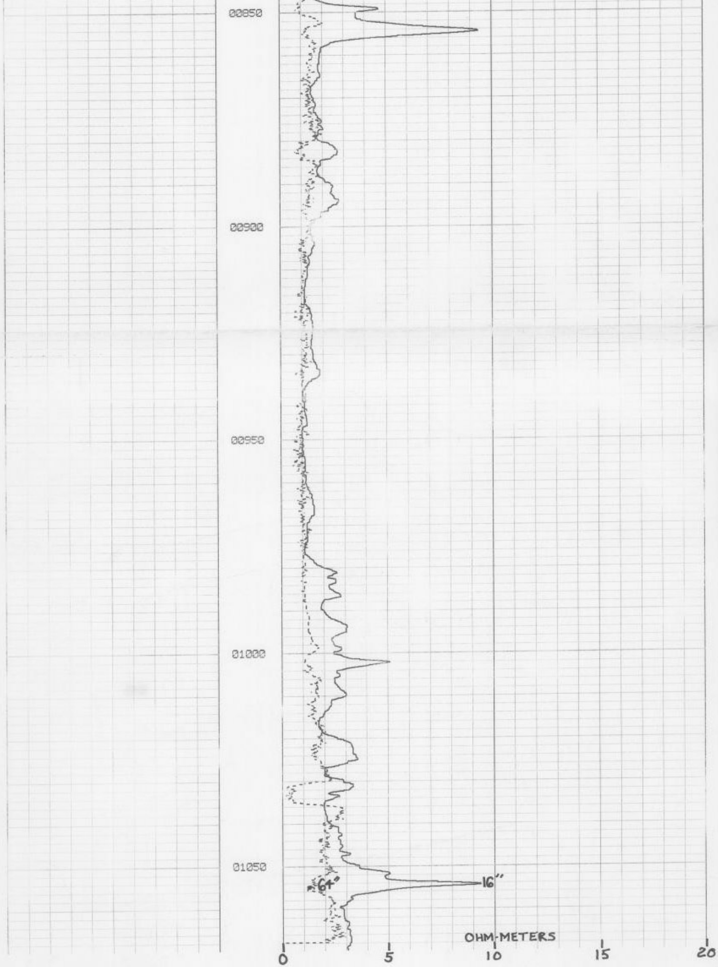






↑ 20'/MIN.

02/08/94



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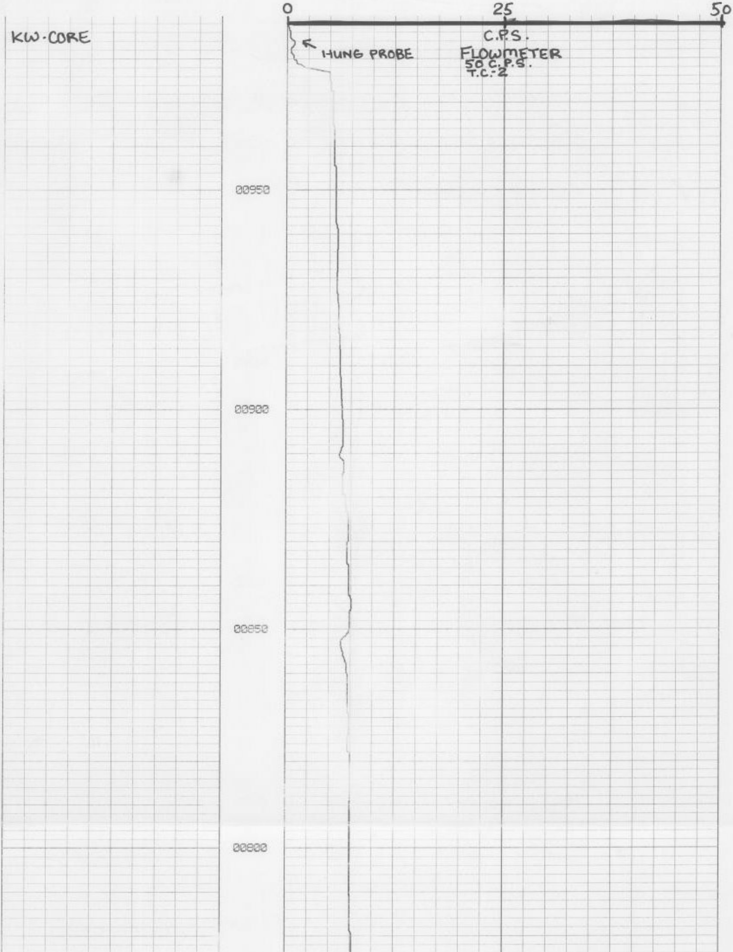
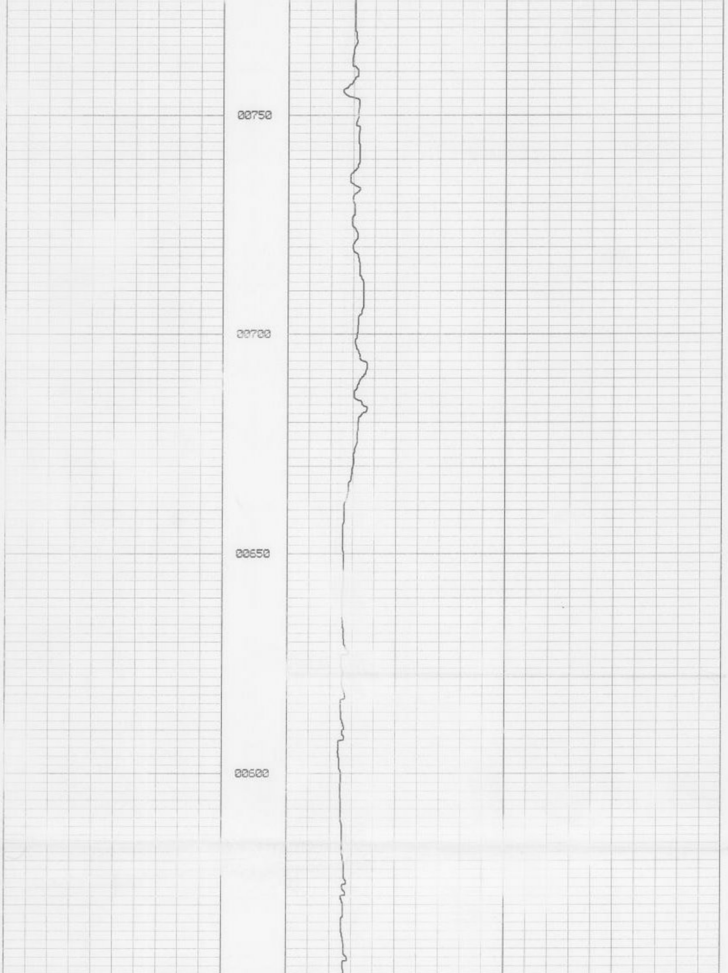
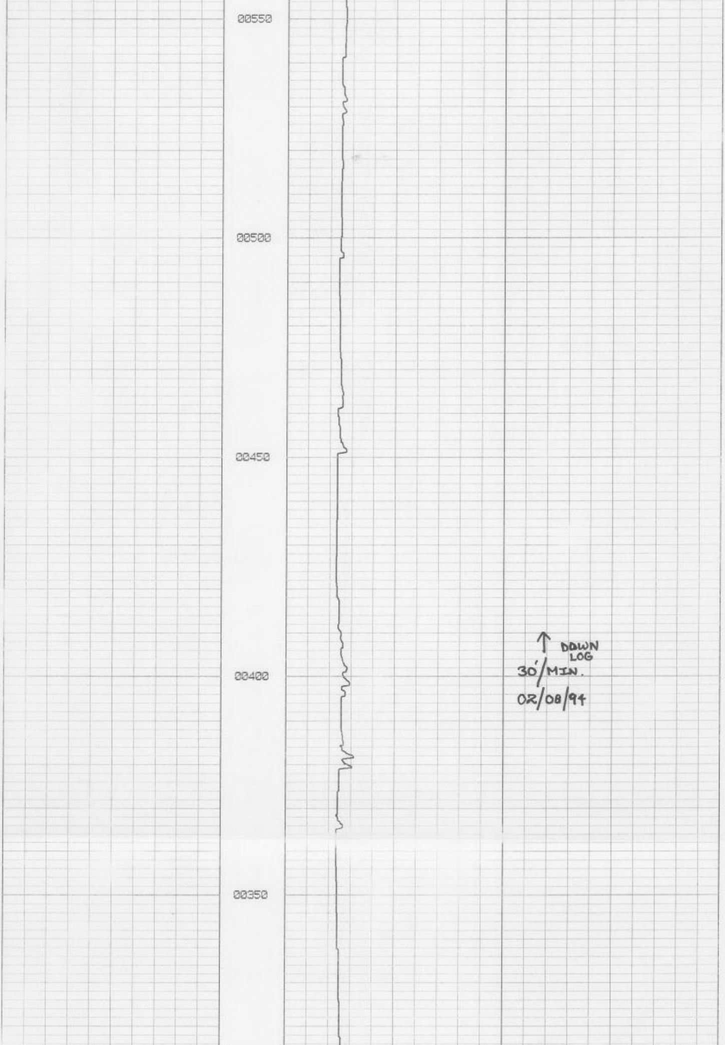
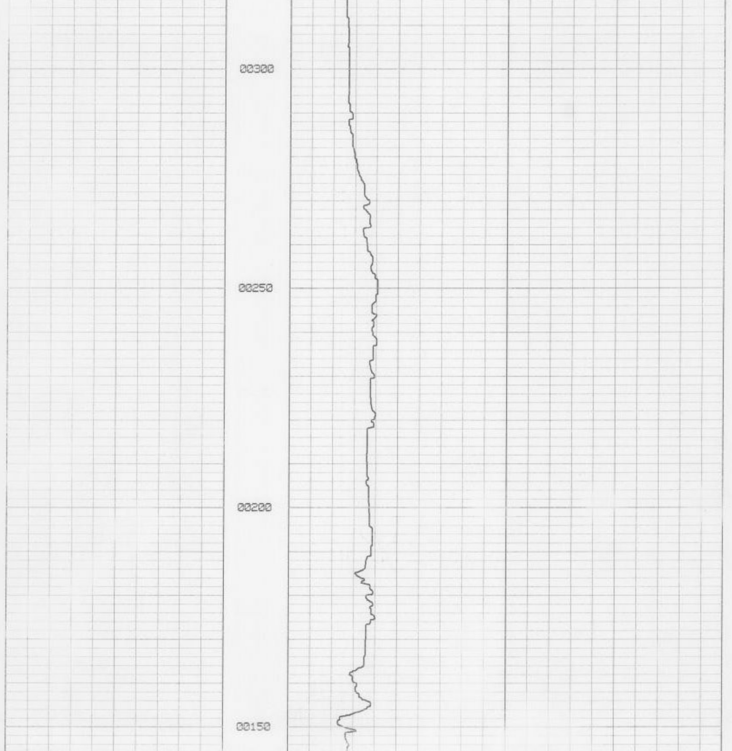






↑ DOWN LOG
30'/MIN.
02/08/94



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Type of Packing __ Well Use exploration

Static Water Level __ Date __

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Date __ Time __ Source of Sample __

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Temp. __ °C Field Density __ @ __ °C

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

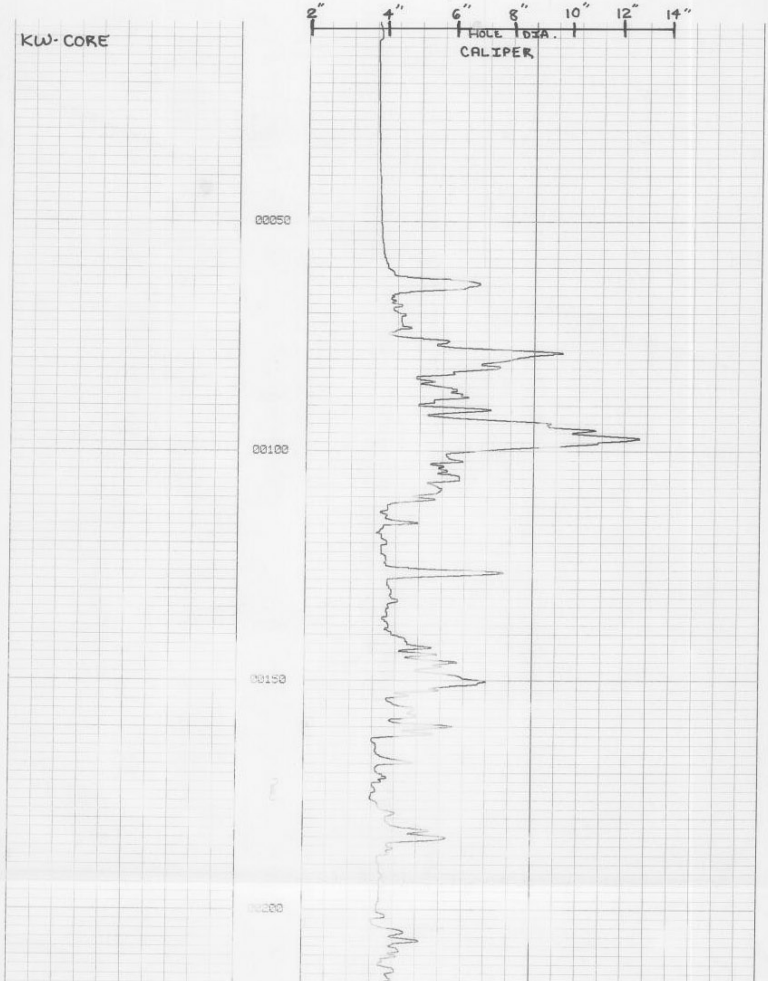
Logged By: E.P DAUENHAUER Witnessed By: D. DEMONSTRANTI

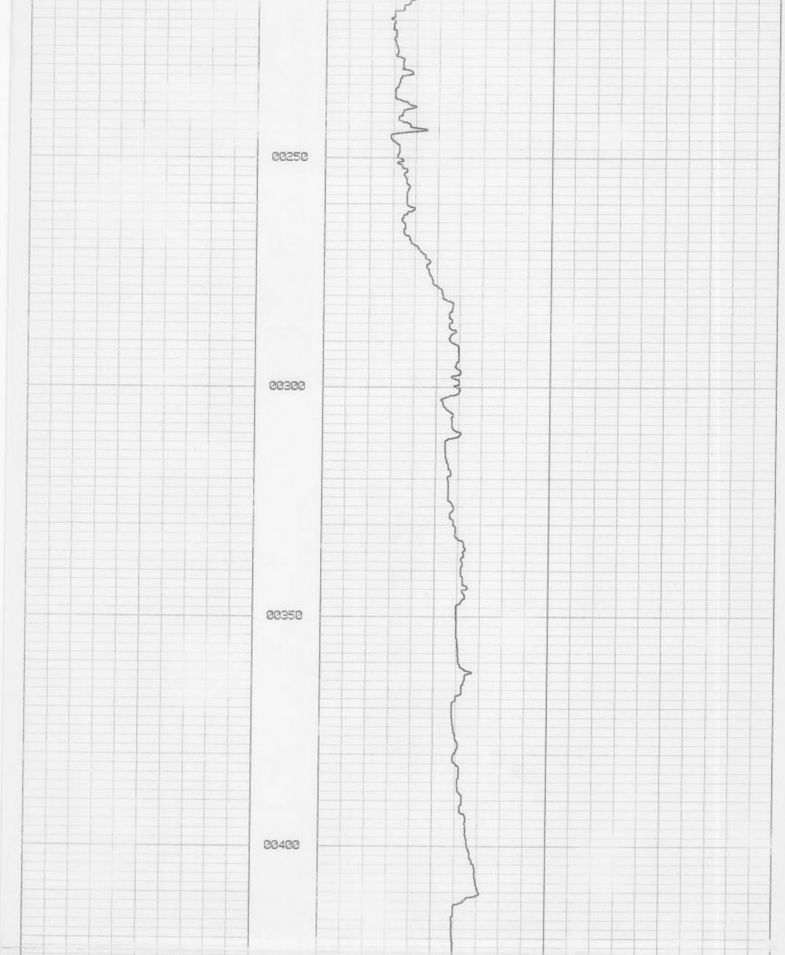
Comments: HUNG FLOWMETER And TEMP. TOOL AT 980'. COULD NOT PROCEED DEEPER. NO DENSITY OR 6' LATERAL DUE to tight BOREHOLE CONDITIONS.

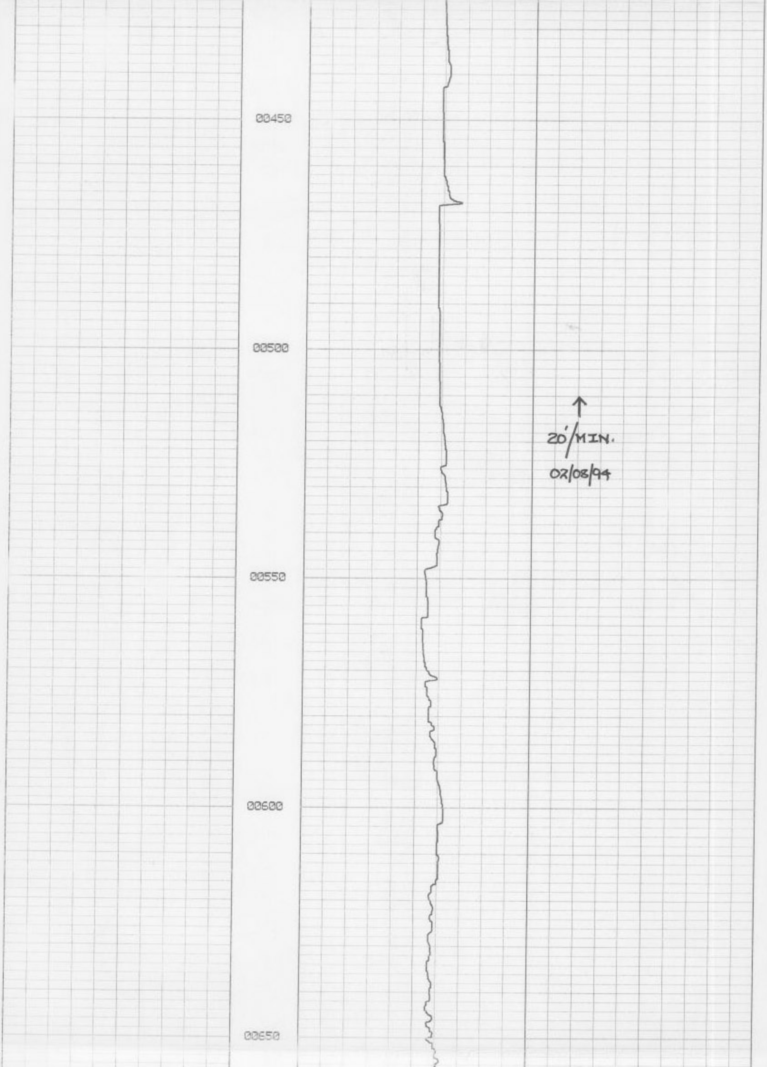
TYPE OF SURVEYS RUN

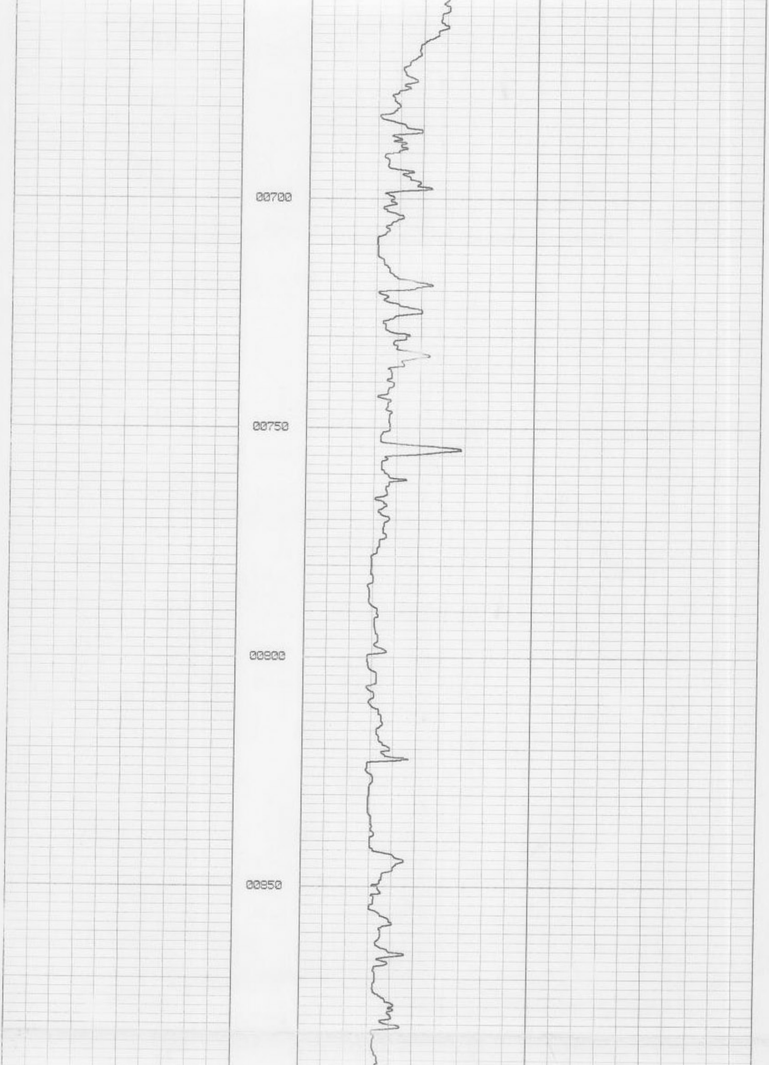
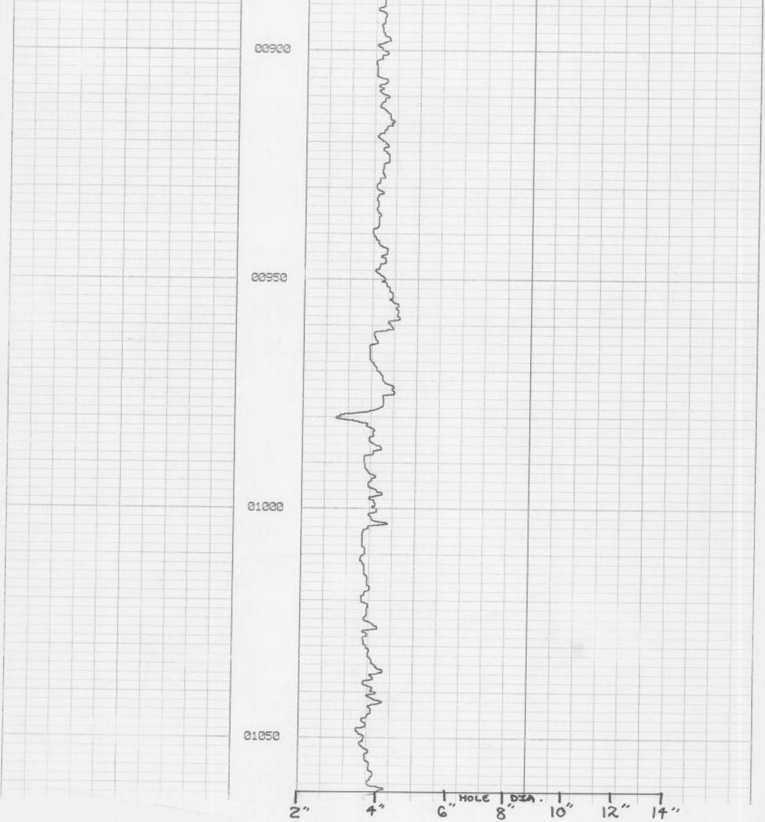
Lateral 6'	( )	Density	( )
Caliper	(●)	ccl	( )
Flow meter	(X)	Fluid Sampler	( )
16", 64" normals	(X)	Temperature	(X)
Neutron	(X)	Delta Temp.	(X)
Natural Gamma	(X)	SP	( )
Fluid Resistivity	(X)	Single pt.	(x)

KW- CORE







↑ 20'/MIN.
02/08/94