F-4-90

Gulf of Mexico - April 1990

R/V Farnella

STATION/ CORE ID: ~~#~~ PC 10
APPROX. LOCATION: Southern levee Main channel Miss Sea
DATE: 15 April, 1990 JD 105
WEATHER: Fair → storm 75 knot winds!!
WATER DEPTH (m): 3072 m
RECORDED BY:
NAVIGATION:
PROCESSORS:
WINCH:

MISC. EQUIP:
MISC.PROCEDURES:

COMMENTS: TRIED TO LOWER CORE SLOWLY INTO BOTTOM = POOR POLLOUT?? 3-3-4-0
CORE CAME UP WITHOUT TRIGGERING → LOWERED TO BOTTOM IMMEDIATELY.....

CORE LOCATION

	Start	On-Bottom (FIRST HIT → MISSED BOTTOM)	End (2ND HIT GOOD POLL OUT)
Time:	0430Z	0540Z	0812Z
LAT:	26° 13.48N	26° 13.22	26° 13.22'
LONG:	86° 26.78W	86° 26.74'	86° 26.75'
TD:			
TD:			

CORER/CORE INFORMATION

	Piston Core	Trigger Core
Core Head Wt (lbs.):		
Barrel Length (m):		
Total Penetration (m):		
Recovery (m):		23 cm
Flow-in (m):		
Lowering Rate (m/min.):		
Max. Wire Out (m):	~~3045m~~ 4.7 POLLOUT	

SECT. NO.	INTERVAL (m)	COMMENTS (Disturbance...)
1	0-1.5	
2	1.5-3.0	
3	3.0-4.49	
4		
5		
6		
7		
8		
9		
10		

+ c/c

TC10 23 cm
+ CORE CATCHER
+ CORE CUTTER

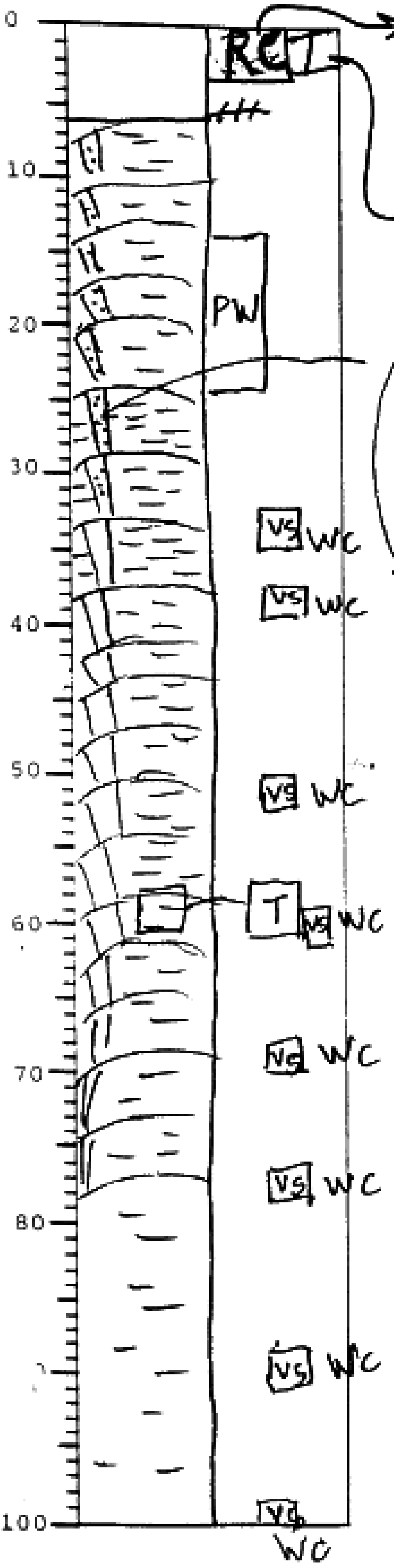
VISUAL CORE DESCRIPTION

F-4-90

N. Kenyon

Sta. ______ Core No. PC10

Lithologic Log



Detailed Description

Core smelt of sulphide on opening

From PC+TC → RC/or look carefully for presence of Globorotalia Menardii

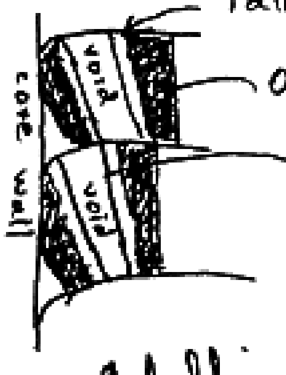
0-6cm Dark yellowish brown 10YR 4/2 soft, watery mud

The texture sample was taken from TC10 which had the same stratigraphy e top

- Close up slides by CHN

Continuous void running whole length of section. Broken up into offset segments by movement along bedding planes*. Diameter up to about 2cm - usually less. Partly filled with muddy foram. rich sand in upper 36cm. + black Mn crusts in sporadic pieces along

6-100cm. Banded stiff clay. Pale brown and dusky yellowish brown (5YR 5/2 and 10YR 2/2) together with black, mottled bands. Thickness from c. 1cm to 13cm

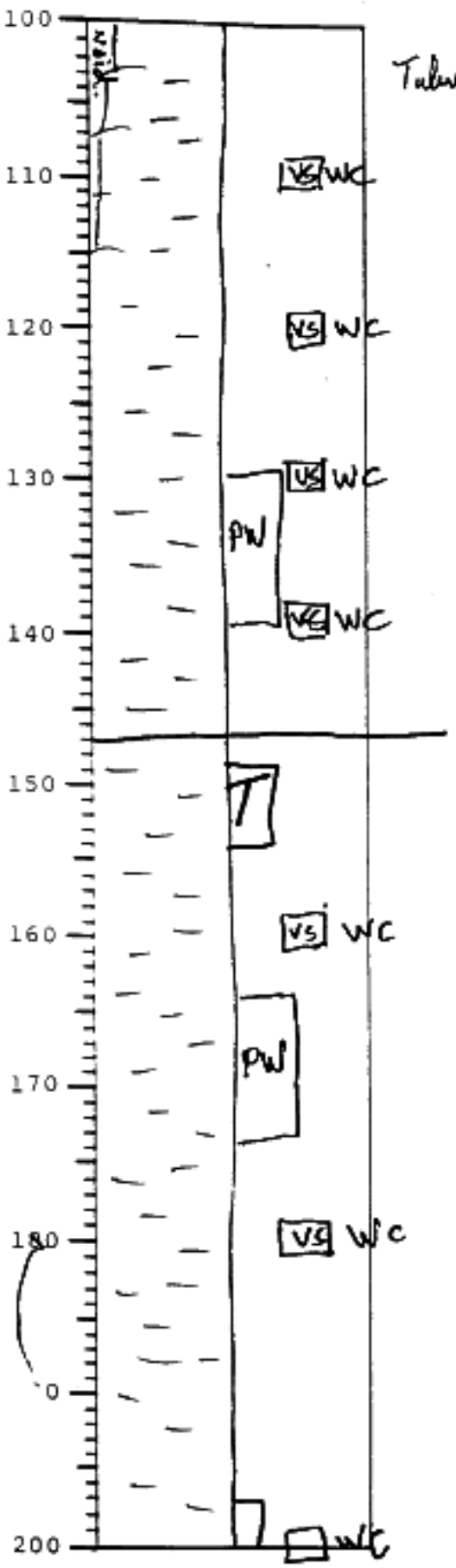


* Shear of bedding must happen on penetration. Thus pipe must preexist coring.

Mottled black horizon must originally be concentric to pipe. Check P.P.E. Weaver et al. Nature circa 1986-7 On burrows - seen in PC core

N. Kenyon

Sta. _____ Core No. PC10



Detailed Description

Tubular void - down to 150cm. plus but running along liner. below 100cm. last block remnants run from 147-167 - only block can be observed ie no Mn or Co like sfe opening - Close up slide by CHN

100-160cm few obvious bands. Dusky yellowish brown clay.

Boundary of section

160 -200 cm. Banded clay. Dusky yellowish brown 10YR 2/2 and pale brown 5YR 5/2 Repeat pattern. Also dark gray mottled bands (usually within pale brown band)

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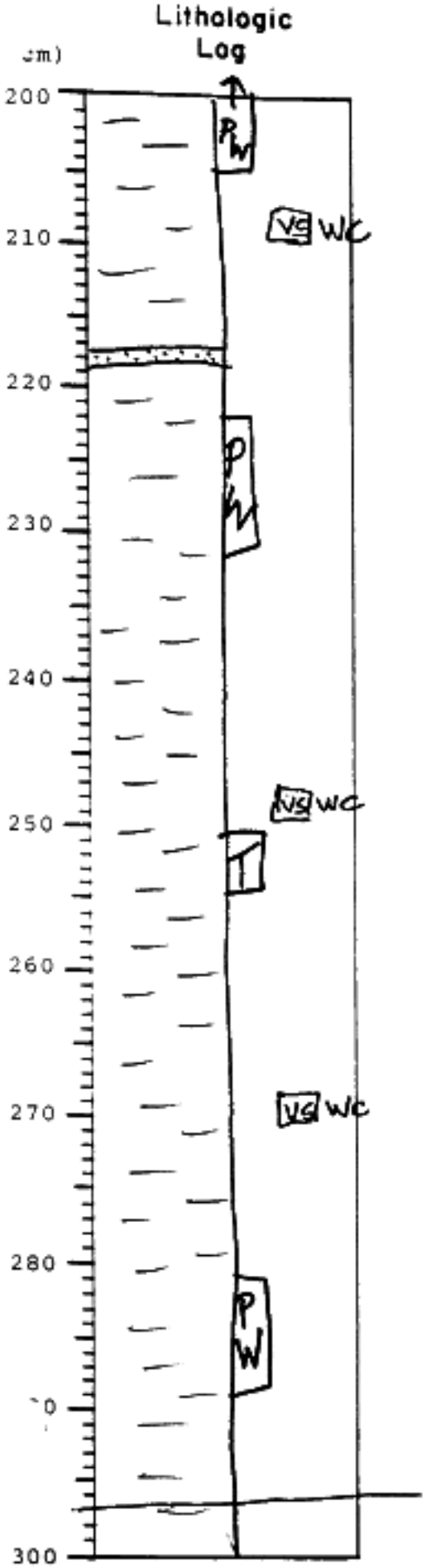


Detailed Description

200-300 Banded clay. Dusky yellowish brown 10YR 2/2 and Pale brown 5YR 5/2 Also dark gray mottled bands

217.5-218 Silt band.

Repeat patterns of bands are between about 0.5cm and 16cm thick.

Boundary of sections.

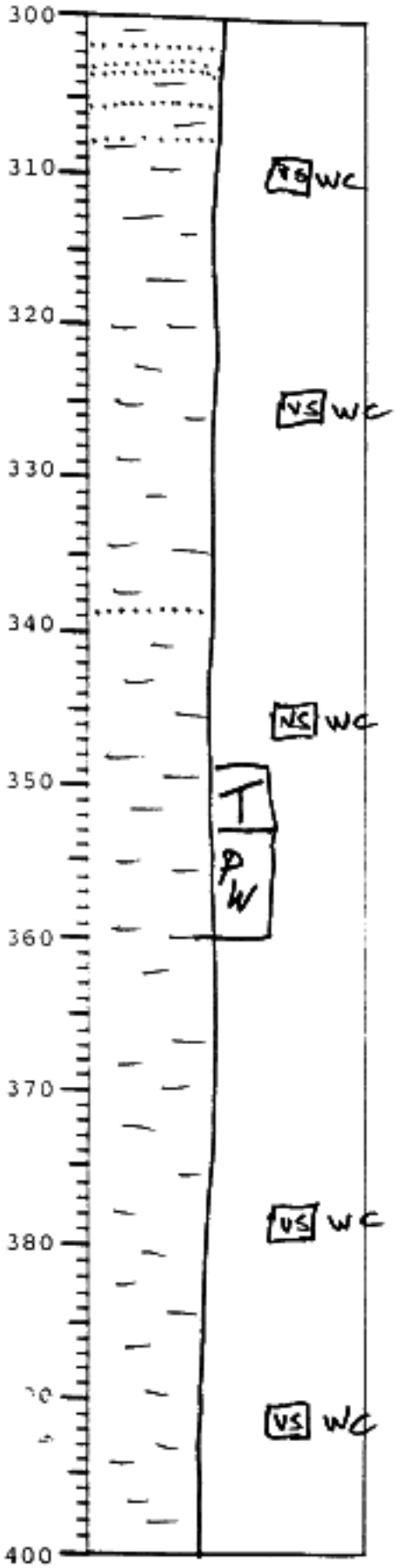
VISUAL CORE DESCRIPTION F-4-90

N. Kenyon

Sta. _____ Core No. PC10

Lithologic Log

Detailed Description



Silty laminae - up to 0.2cm thick

Banded clay. Dusky yellowish brown 10YR 2/2 and pale brown 5YR 5/2. Dark, mottled bands up to to 1.5cm thick. Colour "couplets" have max. thickness of 13cm.

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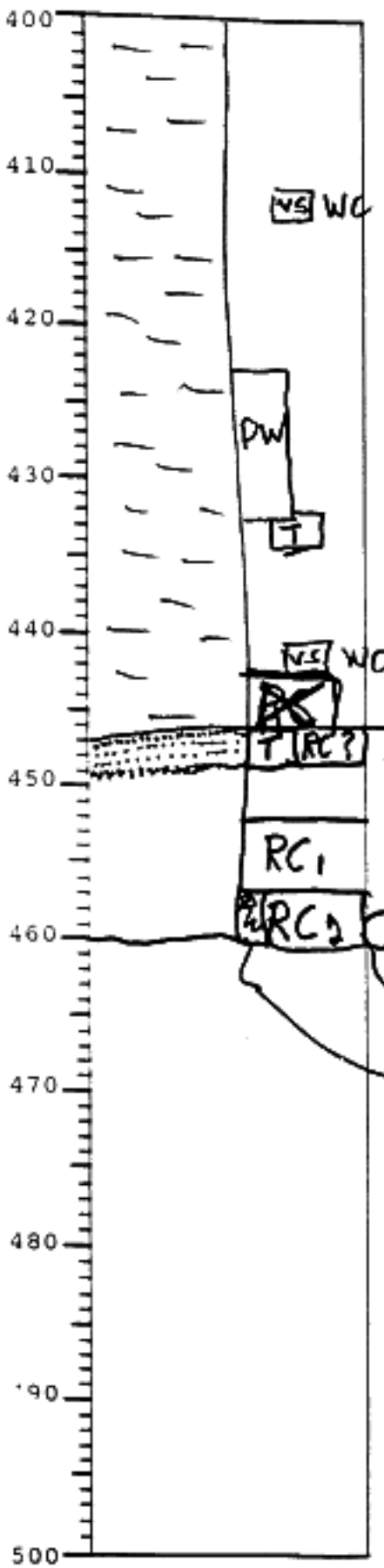


Detailed Description

Banded clay. Dusky yellowish brown 10YR 2/2 and Pale Brown 5YR 5/2. Plus dark mottled bands

Bottom of core.
447-449 series of medium silt laminae
449-460 olive gray mud
for whole sample data
if additional material is needed
Bottom of core catcher
if

core catcher

Pore water sample taken out of very bottom & remainder kept for RC backup

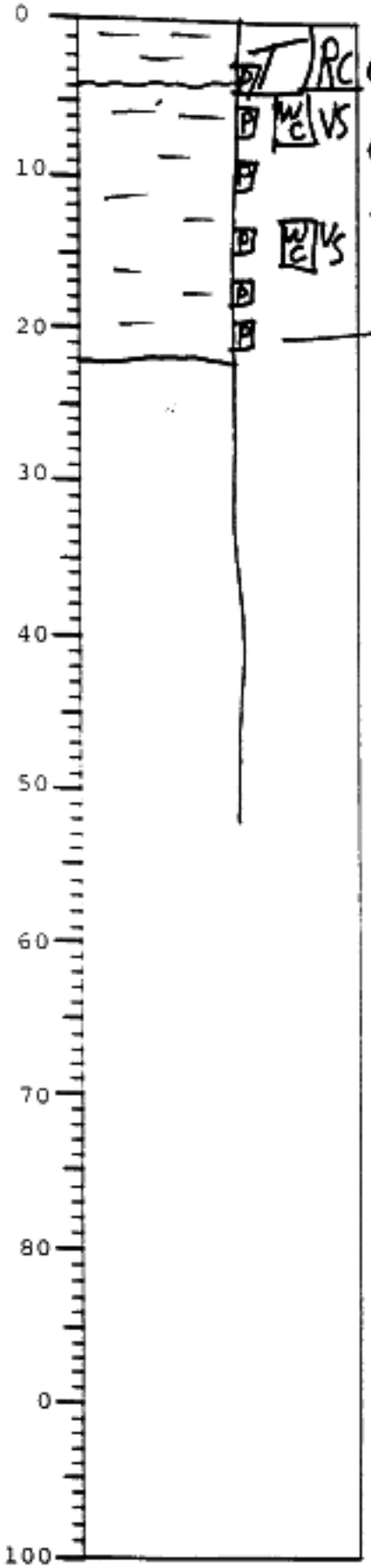
Nearly all of core catcher samp. used up.

VISUAL CORE DESCRIPTION

F-4-90

Sta. 10 Core No. TC-10

(cm) Lithologic Log



Detailed Description

0-4 Yellow brown ooze - cut w/ hacksaw
(Scrapped away " " & took clean clay for date
& plastic fragments are included
4-22 cm Olive gray clay with faint black blebs

detailed paleo samples to check for G. menardii & Holocene contact

Paleo samps 3-4 cm
4-5
5-6
7-8
9-10
19-20