F-4-90

Gulf of Mexico - April 1990

R/V Farnella

STATION/ CORE ID: 16/PC 16
DATE: APRIL 16, 1990 106JD
WEATHER: GOOD
RECORDED BY:
PROCESSORS:

APPROX. LOCATION: MOTTLED AREA N. OF MAIN CHANNEL
WATER DEPTH (m): 3165m
NAVIGATION: GPS
WINCH:

MISC. EQUIP:
MISC.PROCEDURES:

COMMENTS: STRAT CORE IN MOTTLED AREA.

CORE LOCATION

	Start	On-Bottom	End
Time:	0720Z	0821Z	
LAT:	26° 20.5'	26° 20.47'	
LONG:	86° 14.0'	86° 13.96	
TD:			
TD:			

CORER/CORE INFORMATION

	Piston Core	Trigger Core
Core Head Wt (lbs.):		
Barrel Length (m):	6m	1m
Total Penetration (m):	6m	
Recovery (m):	3m	70cm
Flow-in (m):		
Lowering Rate (m/min.):		
Max. Wire Out (m):	3113m PULL OUT = 4.0	

SECT. NO.	INTERVAL (m)	COMMENTS (Disturbance...)
1	0 - 0.70	
2	0.7 - 1.7	
3	1.7 - 3.2	
4		
5		
6		
7		
8		
9		
10		
	+ c/c	

TC16 0 - 0.80 DOUBLE PEN.
+ c/c

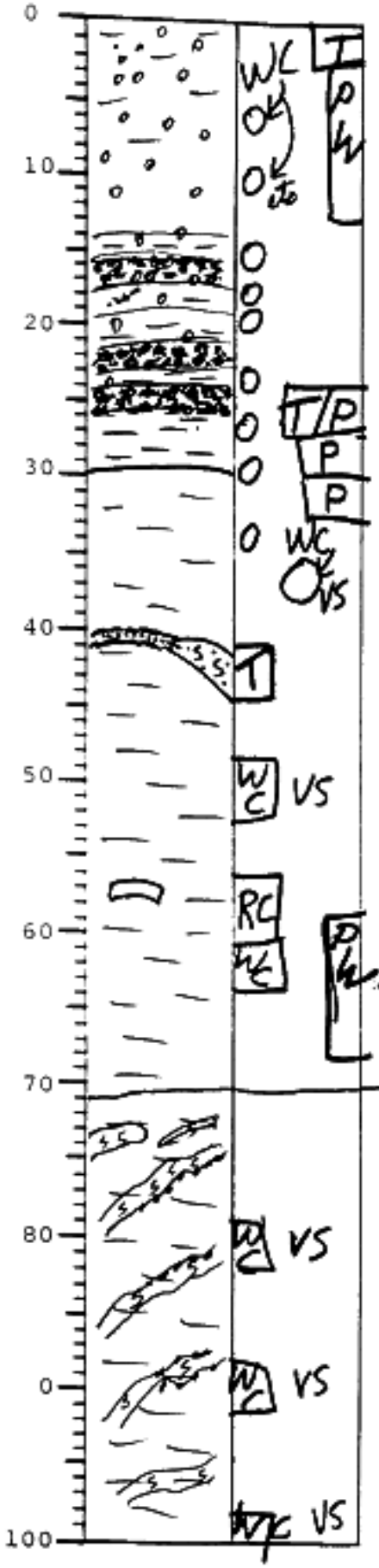
VISUAL CORE DESCRIPTION

P-4-90

N. Kenyon
Nelson has detailed slides of 1st. M.

Sta. _____ Core No. PC 16
Kenyon/Nelson

Lithologic Log



Detailed Description

0-26 Foram. sand. ~~Grayish~~ orange 10YR 7/4 with bands of yellowish gray 5Y 7/2

14-26 Bands of muddier sand ? current bedding in white clean ~~&~~ sand (Pale yellowish brown 10YR 6/2)

26-29 Moderate yellowish brown clay 10YR 5/4 ~~partly indurated like other core~~

29-30 Iron staining in clay - sharp base, diffuse top. Moderate brown 5YR4/

Possible Change to pleistocene

30-71 Dusky yellowish brown 10YR 2/2 clay. Homogeneous with many small voids

~~30-??~~ Dark gray muddy ~~sand~~ silt fills burrow or silt layer that is bioturbated

Samples @ Contact for paleo differences (Amount) geochem dif, + Tex

Piece of wood ? - sample taken from both working and archive

Close up photos of TC & PC by CHN

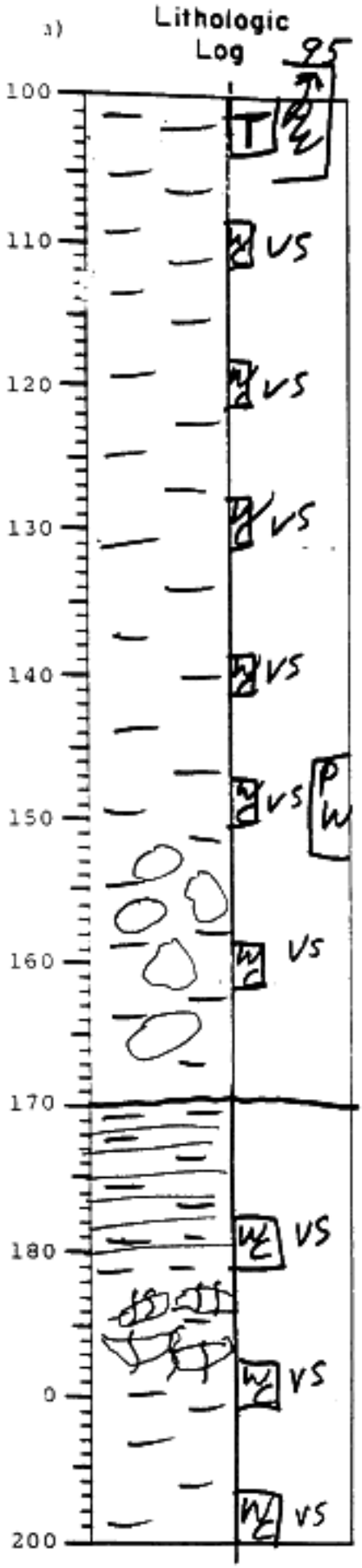
From 43 cm at to 318 all clay

Dusky yellowish brown clay with dark mottled clay filled burrows

70-90 cm faint 1mm disrupted Silt lam.

- Silt layer at 40 to 43 must be a bioturbated layer because it's found at the same stratigraphic horizon in TC & PC

Sta. _____ Core No. PC-16



Detailed Description

Beyond 90 cm only 1-2 mm silt blebs, rarely occur & probably completely bioturbated

Same yellow-olive gray clay exist for entire core after first 30 cm

150-170
Faint burrow mottling observed

End of section 2

170-185 very faint lamination in clay

185-188 " " bioturbation of clay band

190 to end of core = homogeneous clay that appears to be completely bioturbated but only faint burrows can be observed

VISUAL CORE DESCRIPTION

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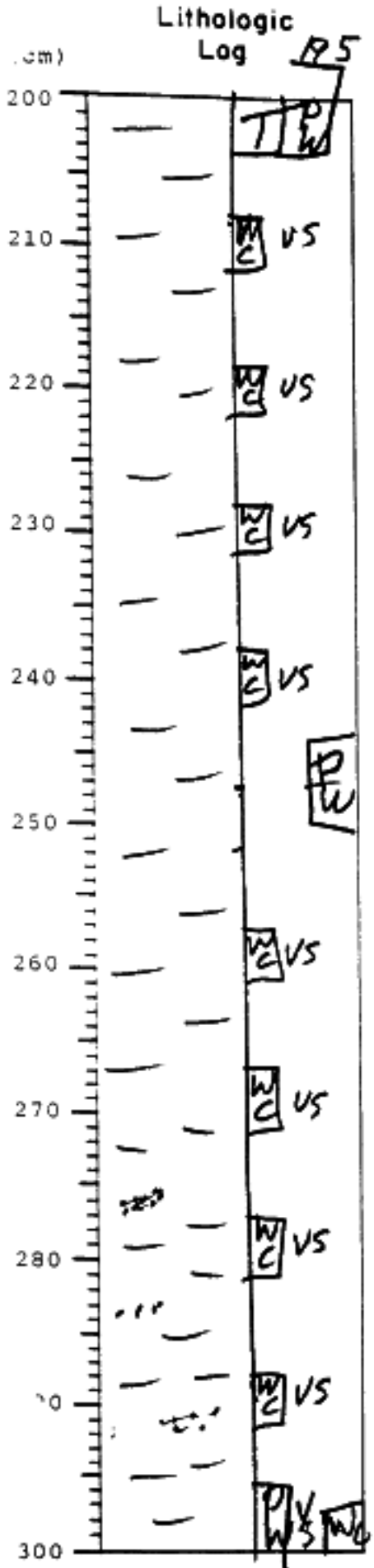
Sta. _____ Core No. PC16



Detailed Description

275-295 1-2 cm long ≈ horizontal silt blebs

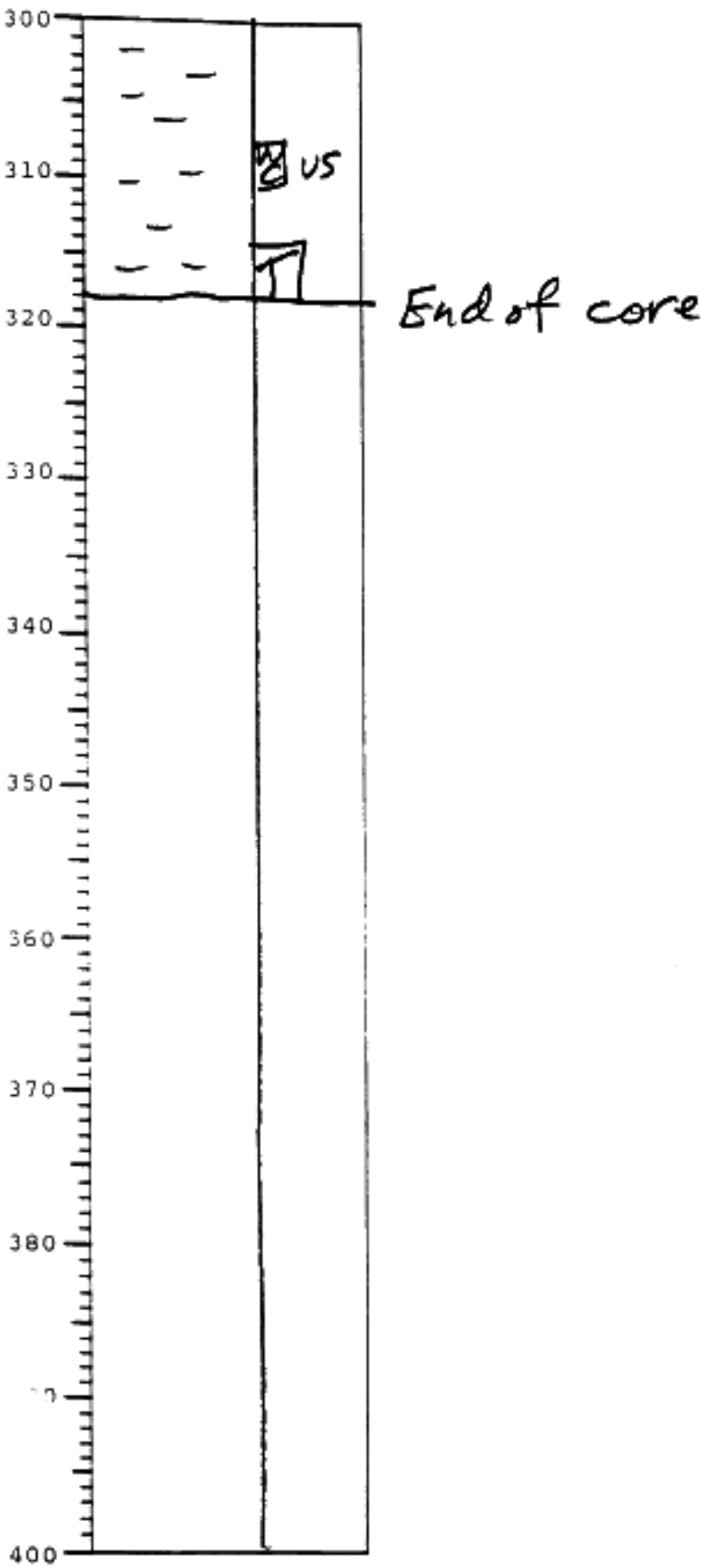
VISUAL CORE DESCRIPTION

F-4-90

Sta. _____ Core No. PC 16

Lithologic Log

Detailed Description



VISUAL CORE DESCRIPTION

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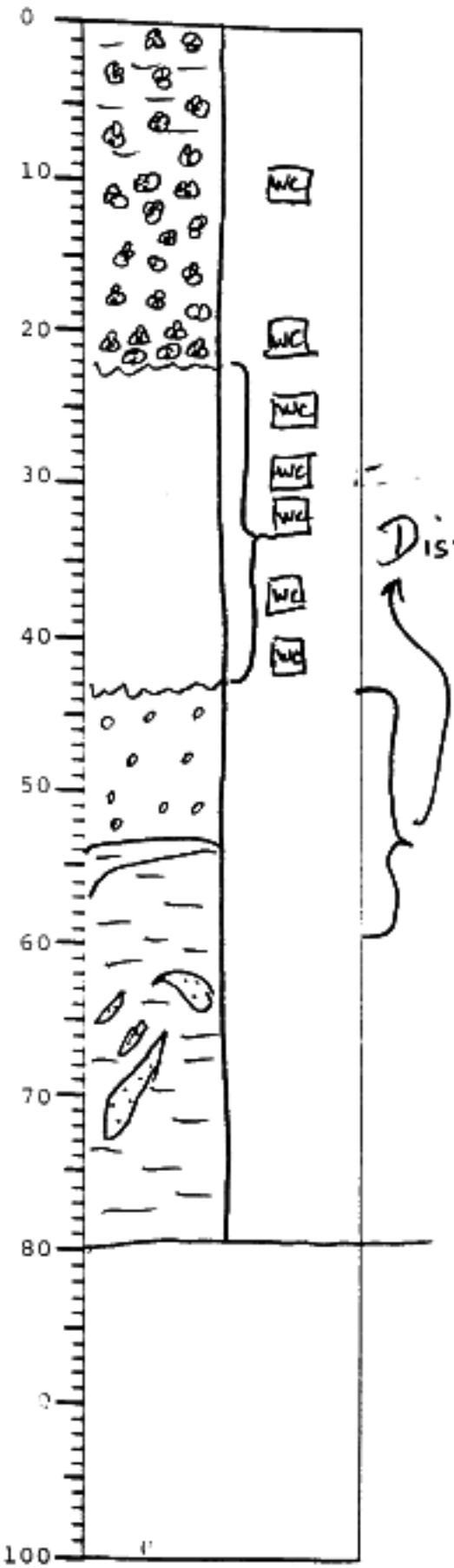
Sta. _____ Core No. IC16

Canyon logged

(m) Lithologic Log



Detailed Description

Note Trigger core bounced & repeated @ least 2-3 times

0-22 Foram sand, muddy towards top

Disregard - repeated 45-65 fm sure - not sure about upper part

43-54 Foram sand

47-50 Gray, mottled sand

50-54 Yellowish gray sand. Some graded bedding.

54-57 Moderate yellowish brown clay

56-57 Iron stained band - ? slightly silty looking

57-80 ~~Dark~~ Dusky yellowish brown clay. Homogenous Gray silty clay in burrows.

Suspected debris flow deposit