F-4-90

Gulf of Mexico - April 1990

R/V Farnella

STATION/ CORE ID: 1/GC1
DATE: 103 JD
WEATHER: JUST FINE
RECORDED BY: ME
PROCESSORS: LEE/WINTERS

APPROX. LOCATION: MAN FEEDER CHANNEL
WATER DEPTH (m): ~3095m
NAVIGATION: LORAN
WINCH: YES

MISC. EQUIP:
MISC.PROCEDURES:

COMMENTS: THIS IS A FIRST TRY 1 BARREL GRAVITY CORE. 3060 m wire out on bottom. We think we are in the main channel floor, but there were some side echoes, so we may have been to one side - Buried head.

1 section

Depth in water 3100 m

CORE LOCATION

	Start	On-Bottom	End
Time:	~~1837~~/1632	1811Z 3095m	1914Z
LAT:	26°13.97N	26° 13.87N	26° 14.37N
LONG:	86° 26.38W	86° 26.34'W	86° 25.83W
TD:			
TD:			

CORER/CORE INFORMATION

	~~Piston~~ Core	~~Trigger Core~~
Core Head Wt (lbs.):	1500	pull out 8:8
Barrel Length (m):	3m	
Total Penetration (m):		
Recovery (m):		
Flow-in (m):		
Lowering Rate (m/min.):		
Max. Wire Out (m):	3060m	

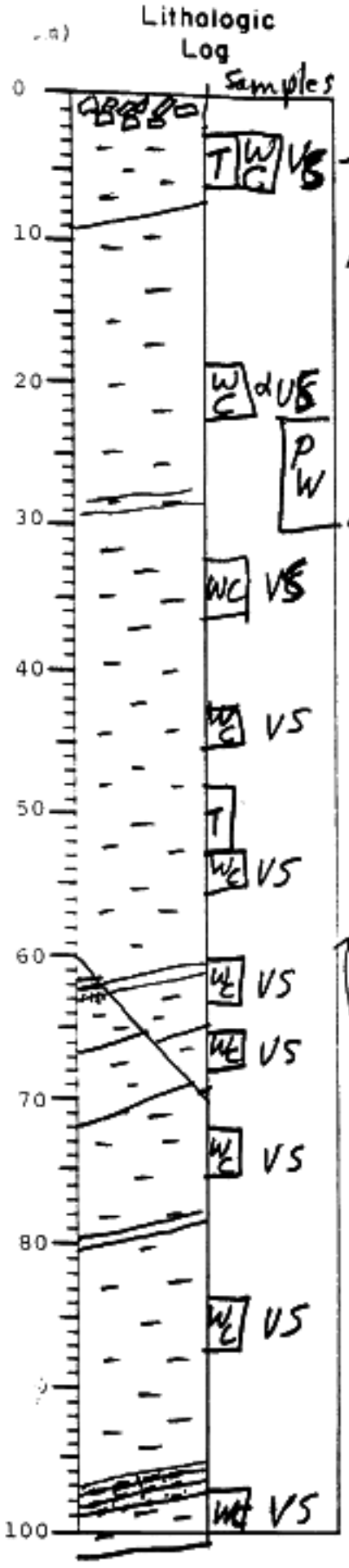
SECT. NO.	INTERVAL (m)	COMMENTS (Disturbance...)
1	0 - 1.33	MAN-MADE (?) SEP. CYLINDERS ON TOP; ~3 cm STICKING OUT OF CORE CATCHER; STICKY
2		
3		
4		
5		
6		
7		
8		
9		
10		

+ CORE CATCHER (BAGGED)
+ CUTTING HEAD (BAGGED) ~ INTACT

VISUAL CORE DESCRIPTION F-4-90 - Page 1 of 2

Sta. 1 Core No. GC-1

2m. barrel



Detailed Description

0-2cm Mysterious clay pellets that occur at T = 2-4cm the top appear to be mud extruded into holes in the ~~top~~ of cutting head

Actual to P2 2-9cm exotic Dark Yellowish Brown Clay 10YR 4/2 ← ondoned surface clay

- All contact slightly angular

9-29 Olive gray clay 5Y 3/2 homogenous

@ 29 fracture through core, but not certain if its gas

28-29 cm faint darker color due to organic? debris

Below 29 cm slight color banding w/ dark faint bands of blacker organic debris @ 46, 49, 56, 63, 80, 93

29-97 cm - subtle alternating lighter 5Y 5/2 w/ 5Y 3/2

ie 63-68 = lighter band bordered by org debris

63-73 off set by small normal fault which can be observed in color banding

series of 5 dark laminae w/ black flecks

below 29 cm all laminations appear to be preserved & without apparent bioturbartion

possible change from Holocene to Pleistocene

Photo @ 0 - 75cm was not labeled

97-99 = silt clay w/ 5 black liminae

99-102 clay of slightly lighter color between 5Y 5/2 - 3/1

VISUAL CORE DESCRIPTION

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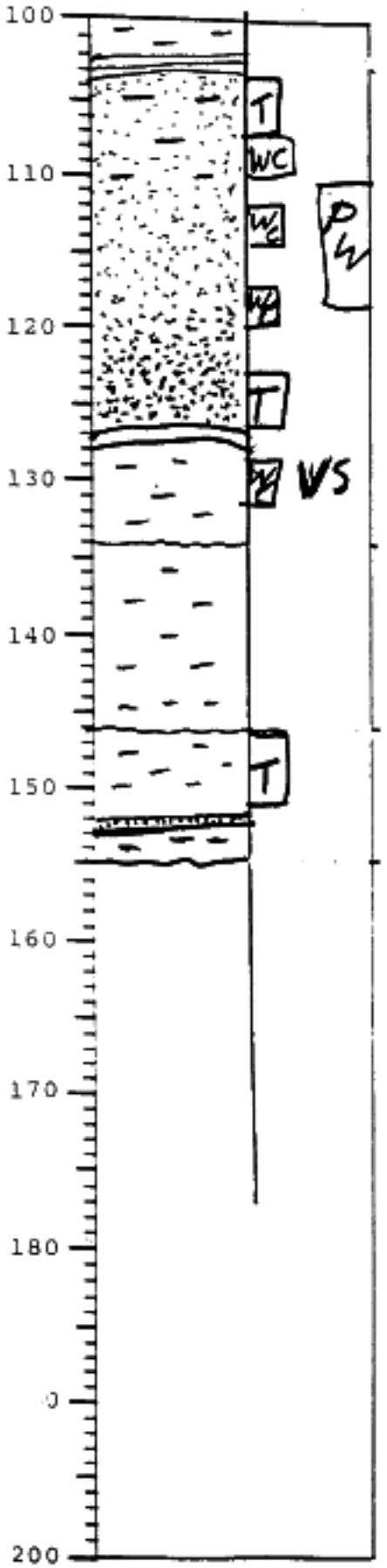
Sta. GC-1 Core No. _____

Lithologic Log



Detailed Description

102-127 graded silt layer - clayer silt @ top to sandy silt at the bottom
cannot see if it has structures because liquefaction water of ship vibration covers the surface

sharp base to silt layer
127-128 dark black band @ base of graded silt

Core Catcher - 12 cm clay plug

Cutting Head 9 cm plug of clay 5GY 3/2 olive gray
- Thin silt laminae in cutting
depth cannot be determined exactly

T = Texture Sample

P = paleo

RC = Radio carbon

VS = Vane Shear

PW = Pore Water + Organic C
by C. Paull

Good Velocimeter data - shows silt