

F-4-90

Gulf of Mexico - April 1990

R/V Farnella

STATION/ CORE ID: 56/PC 56
 DATE: 24 April 1990
 WEATHER: 10-15 kt breeze
 RECORDED BY: Twichell
 PROCESSORS: _____

APPROX. LOCATION: Low backscatter
South of old lobe - southernmost core of transect
 WATER DEPTH (m): 3295m
 NAVIGATION: GPS
 WINCH: _____

MISC. EQUIP: _____
 MISC. PROCEDURES: _____

COMMENTS: CORE APPEARS TO HAVE FELL OVER (HIT ON THE RUN?)

	Start	CORE LOCATION On-Bottom	End
Time:	<u>0315Z</u>	<u>0423Z</u>	_____
LAT:	<u>26° 23.78'N</u>	<u>26° 23.71'</u>	_____
LONG:	<u>85° 02.96'W</u>	<u>-085° 03.03'</u>	_____
TD:	<u>GPS</u>	_____	_____
TD:	_____	_____	_____

CORER/CORE INFORMATION

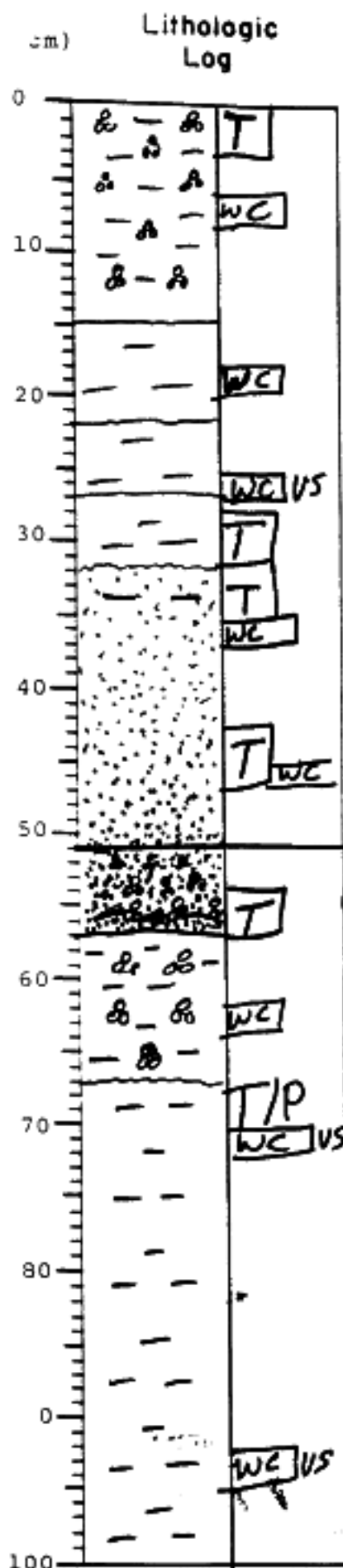
	Piston Core	Trigger Core
Core Head Wt (lbs.):	<u>2800</u>	_____
Barrel Length (m):	<u>9m</u>	<u>1m</u>
Total Penetration (m):	<u>~6m</u>	_____
Recovery (m):	<u>~1.25m</u>	<u>49 cm</u>
Flow-in (m):	_____	_____
Lowering Rate (m/min.):	_____	_____
Max. Wire Out (m):	_____	_____

5226 = WIRE OUT PULL = 4.1 tons

SECT. NO.	INTERVAL (m)	COMMENTS (Disturbance...)
1	<u>0 - 0.51</u>	_____
2	<u>0.51 - 2.00</u>	_____
3	_____	_____
4	_____	_____
5	_____	_____
6	_____	_____
7	_____	_____
8	_____	_____
9	_____	_____
10	_____	_____

+ c/c

TC 56 47cm (double penet.)

Detailed Description

0-15 Moderate yellowish brown (10YR 5/4)
 silt + muddy silt sand

15-22 same colored clay w/ few silt

22-25 dark yellowish brown 10YR 4/2

25-27 grading to Olive gray (5Y 4/1)
 homogeneous clay

by 32 colors graded to darker olive gray (5Y 3/2)

32-57 graded carbonate turbidite bed

- at base med. sand w/ carb. shell clasts
 (entirely) mainly silt, max clast size = 1.5 cm - only rare fragments - oxidized base brownish staining & pale yellowish brown above
 - at top = silt sized max clast size

- lack of Halimeda = deep H₂O
 origin of tc (ie Fla. escarpment at
 >1500 m upper edge depth)

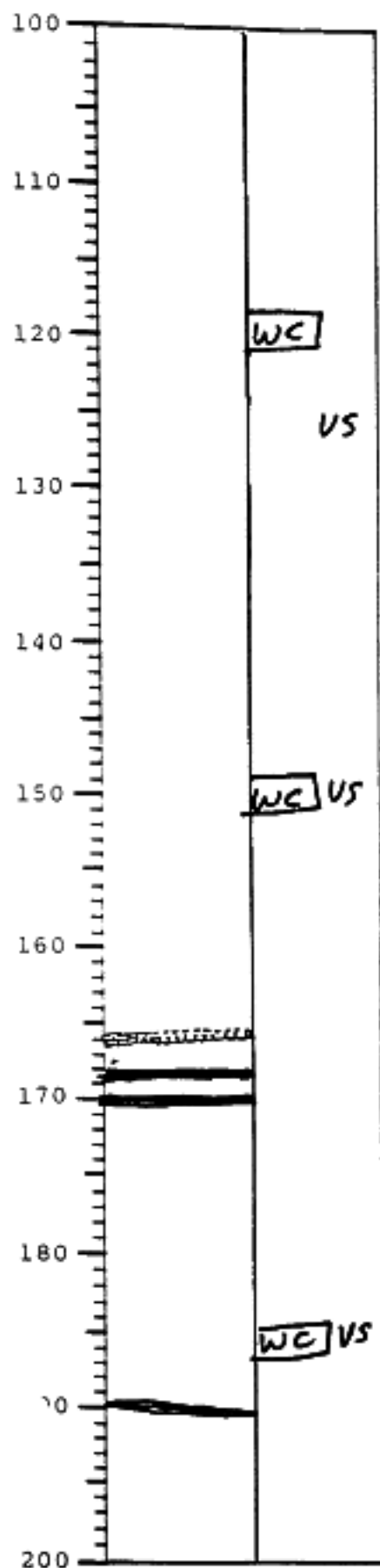
color grades from pale yellowish brown to
 olive gray @ the top (10YR 6/4)

57-67 pale yellowish brown silt clay
 or clayey sand

67-68 greenish to semi-consolidated clay

68-72 dark yellowish brown clay

72-90 " " grading to dusky
 yellowish brown + olive grading
 to dark olive gray clay

Sta. _____ Core No. PC56n) Lithologic
LogDetailed Description

100-166 Olive gray
homogeneous clay

166-.3 mm silt laminae

166-190 multiple fine laminations
Some slightly browner & others olive gray

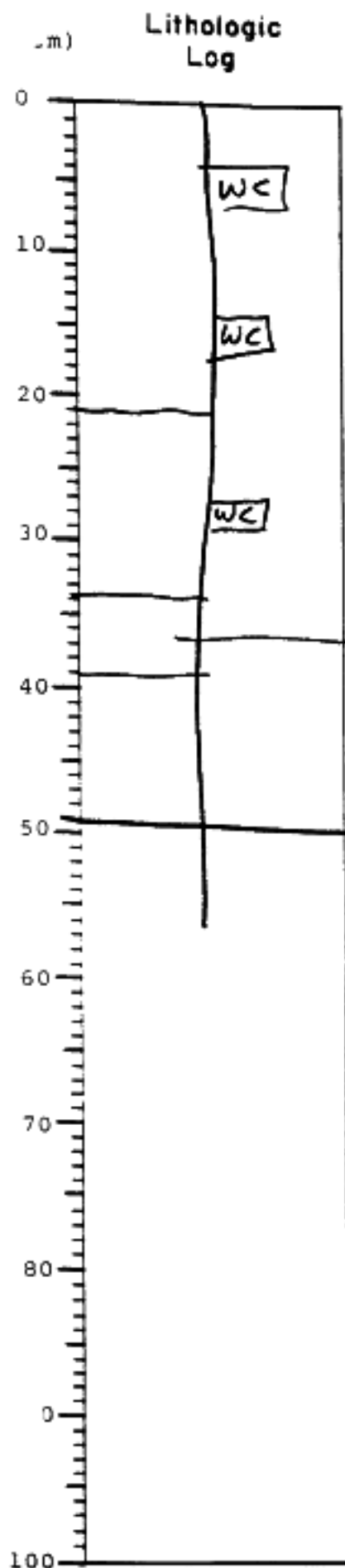
laminations are black carbonaceous debris

190-200 ^{more} massive clay w/ less defined
laminations

End of Core

VISUAL CORE DESCRIPTION

F-4-90

Page 1 of 1Sta. _____ Core No. TC 56Detailed Description48 cm

0-21' 2 nrh yellow clay

same yellow clay

Core is banded w/ 2 yellow clay sections $\therefore$ not logged because PC has a well-preserved upper section w/ yellow clay section = to TC

end of core