

F-4-90

Gulf of Mexico - April 1990

R/V Farnella

STATION/ CORE ID: 12/PC12
 DATE: 15 April, 1990 JD 105
 WEATHER: Fine
 RECORDED BY: Twichell
 PROCESSORS: Lay/Barber/Nelson

APPROX. LOCATION: Mottled area north of channel.
 WATER DEPTH (m): 3140 m
 NAVIGATION: Transporter Nav.
 WINCH: _____

MISC. EQUIP: _____
 MISC. PROCEDURES: _____

COMMENTS: Pinger 100m above core - Off set between core + ship ~ 250m

CORE LOCATION

	Start	On-Bottom	End
Time:	<u>1615</u>	<u>1740</u>	<u>1845</u>
LAT:	<u>26°17.91</u>	<u>26°17.8261N</u>	<u>26°16.97'N</u>
LONG:	<u>86°20.33</u>	<u>86°22.5142W</u>	<u>86°18.39'W</u>
TD:	_____	<u>core location from</u>	_____
TD:	_____	<u>X pingers</u>	_____

CORER/CORE INFORMATION

Piston Core

Trigger Core

Core Head Wt (lbs.):	<u>2800 lb</u>	_____
Barrel Length (m):	<u>6 m</u>	<u>1 m</u>
Total Penetration (m):	<u>~50 m below weight</u>	<u>1 m - mud in top of cut steel</u>
Recovery (m):	_____	<u>77 cm</u>
Flow-in (m):	_____	_____
Lowering Rate (m/min.):	<u>60 m/min</u>	_____
Max. Wire Out (m):	<u>3087 m</u>	_____
	<u>Pullant 4.7 at 3083 m wire out</u>	_____

SECT. NO.	INTERVAL (m)	COMMENTS (Disturbance...)
1	<u>0 - 0.29</u>	<u>upper section was resuspended +</u>
2	<u>0.29 - 1.79</u>	<u>allowed to settle - very</u>
3	<u>1.79 - 3.29</u>	<u>disturbed</u>
4	<u>+ CC</u>	_____
5	_____	_____
6	_____	_____
7	_____	_____
8	_____	_____
9	_____	_____
10	_____	_____

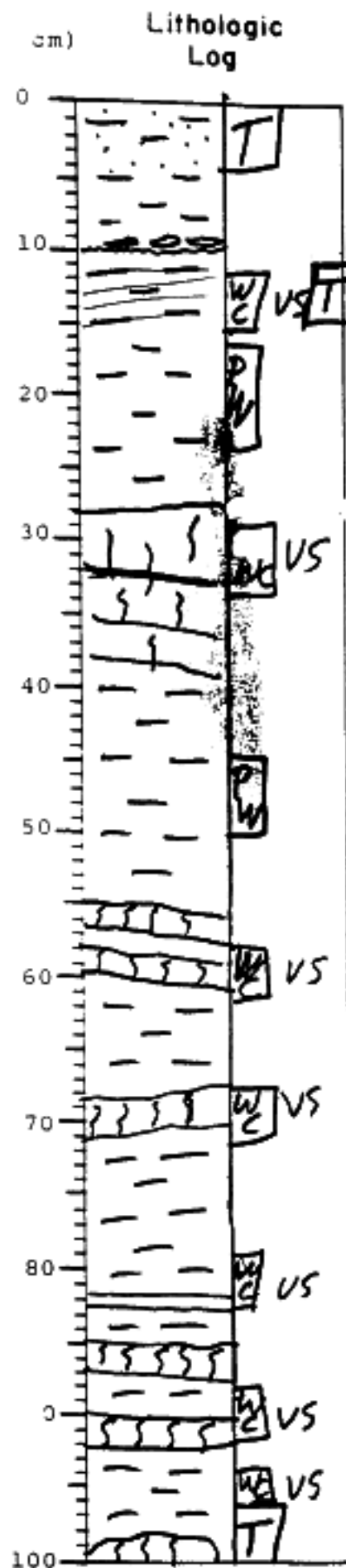
+ TC 12 77m + C/C

3 MULTIPLE PEN.
 NO GEOTECH DONE

Sta. 12 Core No. PC12

330 cm

Detailed Description



0-10 & rich clay (dark yellowish brown)
 10 cm to end = all
 @ boundary w/ olive gray clay some oxidized
 crust fragments occur
 Olive-gray clay has some lamination
 that is very faint

End of first section

Faint subtle brown laminations
 but bioturbated w/ small burrows between
 & darker units

40-55 homogenous gray clay

— 55-70 darker bands w/ intense bioturbation
 — faint thin brown lam. in between

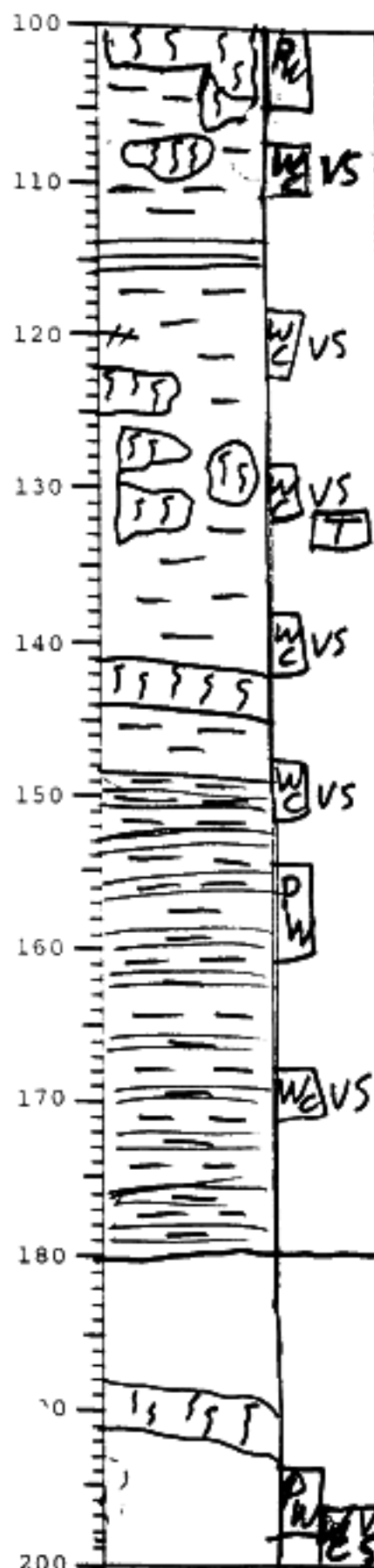
Between bioturbated bands = homogeneous clay

83 - brown laminations

85-87 } dark highly bioturbated bands
 90-92 }

98 - 100 irregular patches of bioturbated dark bands

n) Lithologic Log

Detailed Description

entire section clay w/ silt laminations

114-118 brown laminations of clay

127-135 Dark bioturbated patches

T in dark band

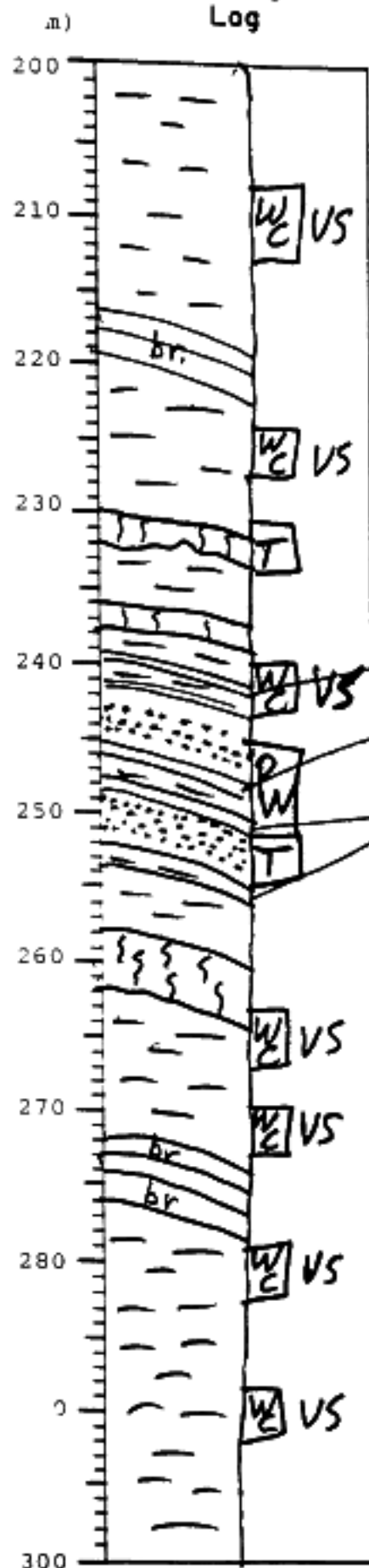
141-144 Dark band w/ bioturb.
(Olive black 5YR 2/1)

brown laminations

Remainder of section faint parallel dark + brown layers & apparent lack of bioturbation (Grayish brown 5YR 3/2)

End of section

Bioturbated dark band 188-191

Lithologic
LogDetailed Description

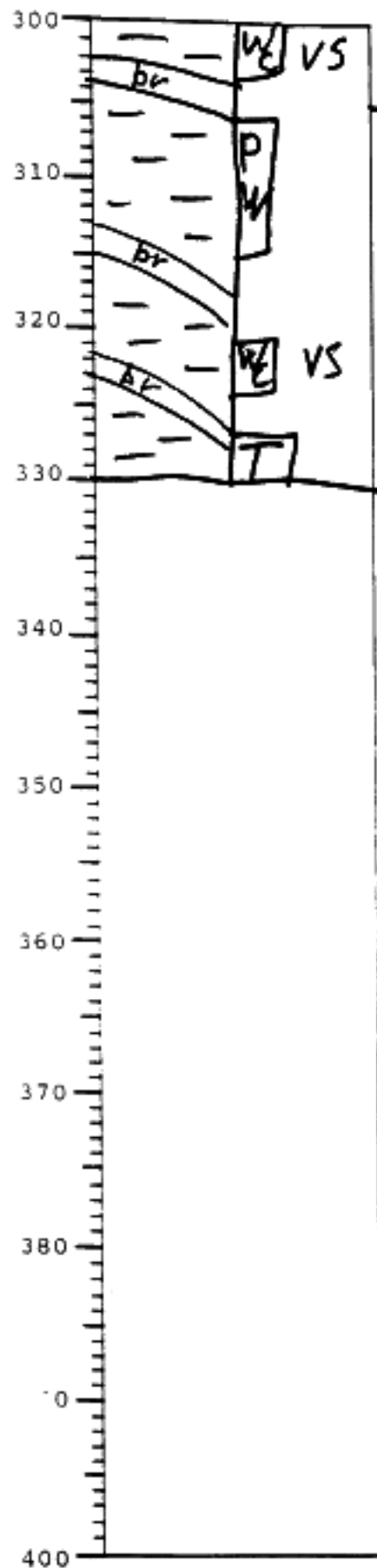
218-220 Brown bands (Grayish brown 5YR 3/2)

thin brown bands

olive gray bands (5Y 4/1) above + below silt bed

245-246 } fine silt laminae
251-253 }

270 to 330 no more dark bioturbated bands
Thick 1-2cm brown color bands
& apparent lack of bioturbation

Lithologic
LogDetailed Description

Subtle color bands of brown

end of section

VISUAL CORE DESCRIPTION

F-4-90

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Sta. _____ Core No. TC12

Lithologic Log

Detailed Description

14 boxes pelagic missing
Generally useless.

Repenetration cone

0-76 Olive gray clay
Some faint bands - fine scale.
Generally structureless.

Repenetration cone

Bottom of core

