F-4-90

Gulf of Mexico - April 1990

R/V Farnella

STATION/ CORE ID: 25/PC25
DATE: April 18 1990 TO 108
WEATHER: calm
RECORDED BY:
PROCESSORS:

APPROX. LOCATION: OFF Mouth Southern Canyon
WATER DEPTH (m): 3360
NAVIGATION: GPS
WINCH:

MISC. EQUIP:
MISC.PROCEDURES:

COMMENTS:

CORE LOCATION

	Start	On-Bottom	End
Time:	1124	1227 Z	1330
LAT:	25° 16.4'	25° 16.41' N	25° 15.59' N
LONG:	84° 43.4'	84° 43.48' W	84° 43.60' W
TD:			
TD:			

CORER/CORE INFORMATION

	Piston Core	Trigger Core
Core Head Wt (lbs.):	2800#	
Barrel Length (m):	9m	1m
Total Penetration (m):		
Recovery (m):		81cm
Flow-In (m):		
Lowering Rate (m/min.):		
Max. Wire Out (m):	3294m	

Pullout = 4.9 tons

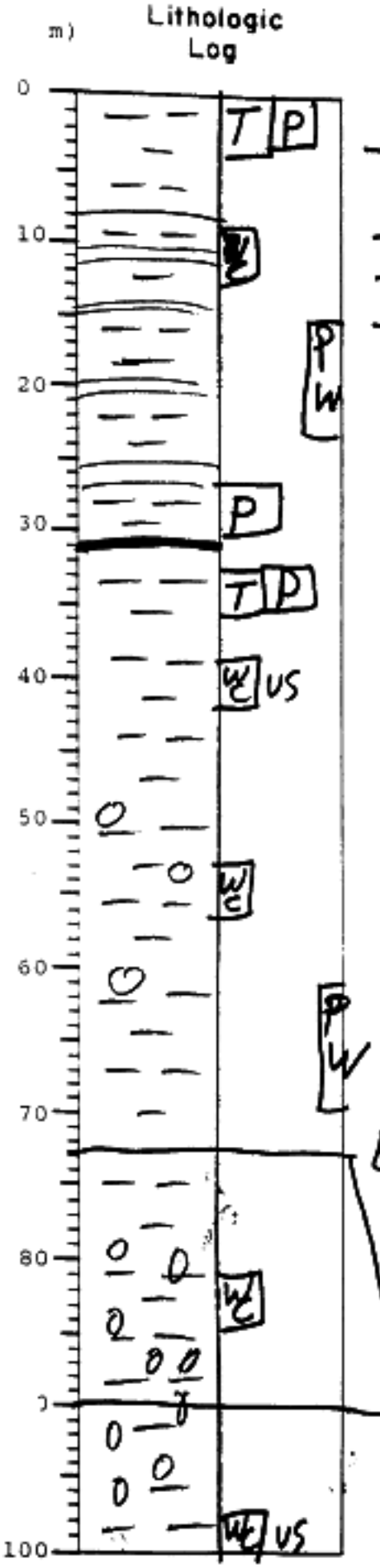
SECT. NO.	INTERVAL (m)	COMMENTS (Disturbance...)
1	0 - 0.73	
2	0.73 - 0.91 ***	Salvaged flow out barrel sect 1 & 2
3	0.91 - 2.23 *	
4	2.23 - 3.74 **	
5		
6		
7	* labelled 73-196 on deck	
8	** labelled 214-365 on deck	
9	*** labelled 196-214 on deck	
10		

TC 25 81cm + c/c

VISUAL CORE DESCRIPTION

F-4-90

Sta. _____ Core No. PC 25



Detailed Description

- 0 - 8 Clay (unconsolidated) Moderate yellowish brown (10YR 5/4)
- 8 - 31 Clay w/ banded colors Dark yellowish brown (10YR 4/2)
- 31 - 31.5 Moderate yellowish " indurated clay
- 31 - 130 Lt Olive gray (5Y 5/2) highly bioturbated clay

End of section 1

Well-developed burrows darker gray .5 - 2 cm - some remain open between 100-150

End of short section that fell out of space between liners

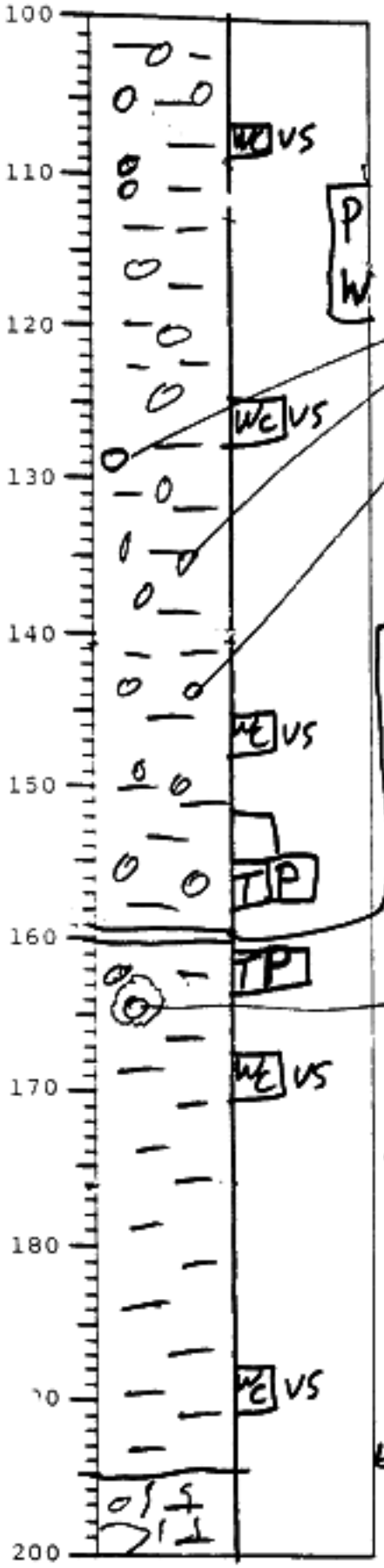
VISUAL CORE DESCRIPTION

F-4-90

Sta. _____ Core No. PC25

Lithologic Log

Detailed Description



Open burrows from 120-165 cm

135-140 gradational color from greenish olive gray to lt olive gray

159-159.5 dark yellowish brown clay horizon

159.5 Top of Olive gray clay (miss?)

completely homogeneous clay w/out evident bioturbation

open hole w/ lt gray rind

195 cm sharp base with light olive gray clay

195-202 highly bioturbated lt gray clay

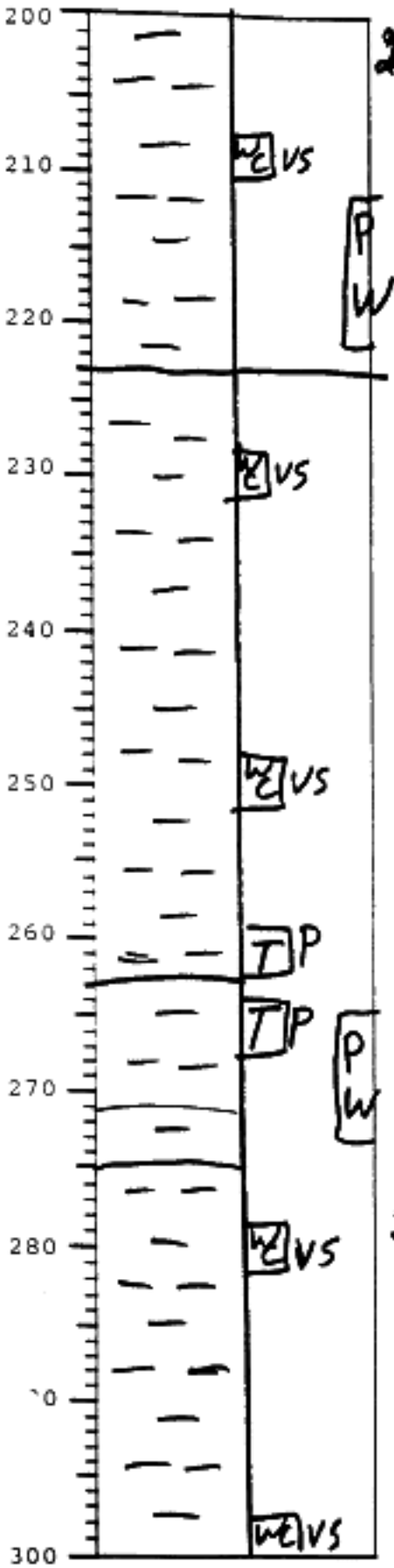
VISUAL CORE DESCRIPTION

F-4-90

Sta. _____ Core No. AC 25

Lithologic Log

(cm)



Detailed Description

200 greenish gray clay gradational to olive gray clay @ 205 cm

205 – 263 – Olive gray homogeneous clay

End of section

263-271 bioturbated lt. gray clay

271-275 greenish olive gray gradation

275-335 " " clay - homogeneous w/out bioturbation

VISUAL CORE DESCRIPTION

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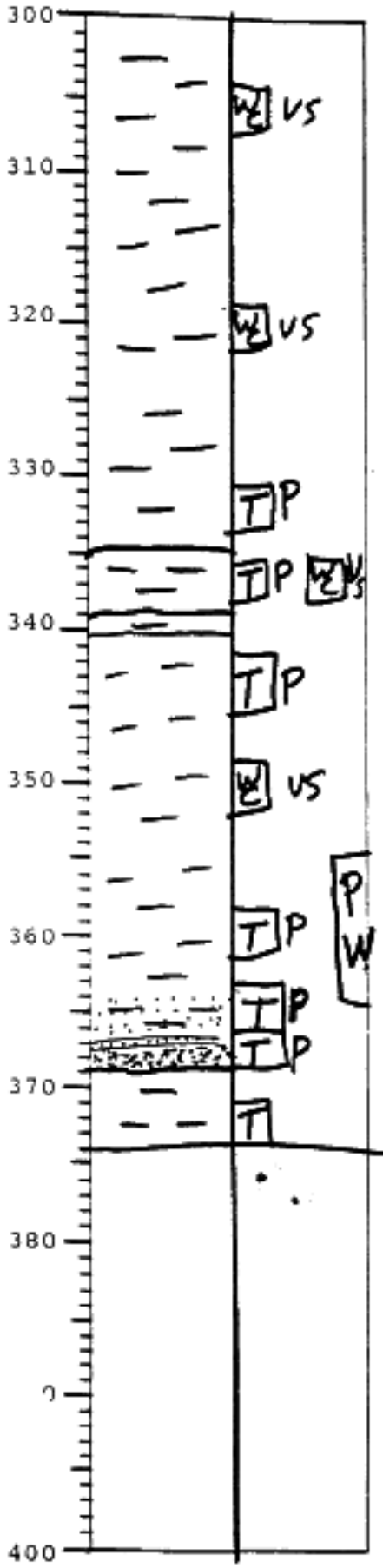
Sta. _____ Core No. PC25

Lithologic Log



Detailed Description

330 lt olive gray 5Y/6/1
339
339- 340 brownish gray 5Y 4/1

340 - 364 olive gray clay

364 – 368 " " " gradational from silty clay to silt laminae

368 -369 - light gray medium silt

369- 373 brownish gray clay

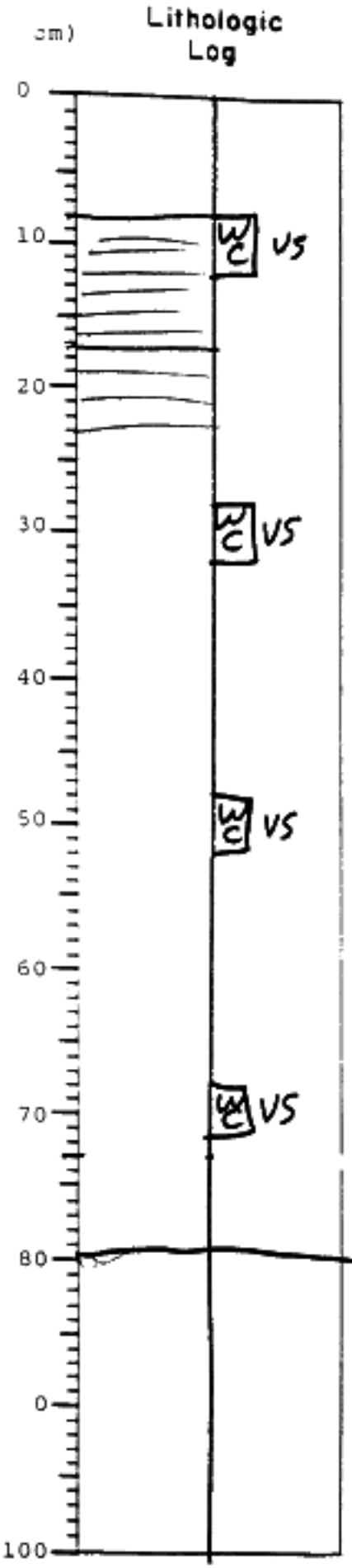
End of core

339 - 369 - Classic Miss Fan Mud turbidite

VISUAL CORE DESCRIPTION

F-4-90

Sta. _____ Core No. TC 25



Detailed Description

0-8

Banded 8-17

lt. banding to 24cm

24-80 bioturbated lt. gray clay

End of TC