

F-4-90

Gulf of Mexico - April 1990

R/V Farnella

STATION/ CORE ID: 30/ PC 30
 DATE: 19 April 1990 30109
 WEATHER: 15-20 kt breeze
 RECORDED BY: Twichell
 PROCESSORS: _____

APPROX. LOCATION: in high backscatter
near tile boundary
 WATER DEPTH (m): 3283 m
 NAVIGATION: Transponder Nav
 WINCH: _____

MISC. EQUIP: _____
 MISC. PROCEDURES: Aconiti relay for navigation 100 m above core

COMMENTS: _____

CORE LOCATION

	Start	On-Bottom	End
Time:	<u>1650Z</u>	<u>1751Z</u>	<u>1905Z</u>
LAT:	<u>26°42.47'N</u>	<u>26°42.415</u>	
LONG:	<u>85°09.02'W</u>	<u>85°09.0121</u>	
TD:	<u>Loran C</u>	<u>~ 4 km N of target</u>	
TD:			

CORER/CORE INFORMATION

	Piston Core	Trigger Core
Core Head Wt (lbs.):	<u>2800 lb</u>	
Barrel Length (m):	<u>9 m</u>	<u>1 m</u>
Total Penetration (m):	<u>1 m</u>	<u>1 m</u>
Recovery (m):		<u>85 cm</u>
Flow-in (m):		
Lowering Rate (m/min.):	<u>3212 m wire out</u>	
Max. Wire Out (m):	<u>60 m from 3150 - 25 m/min to bottom</u>	
Pullout:	<u>4.6 tons at 3208 m wire</u>	

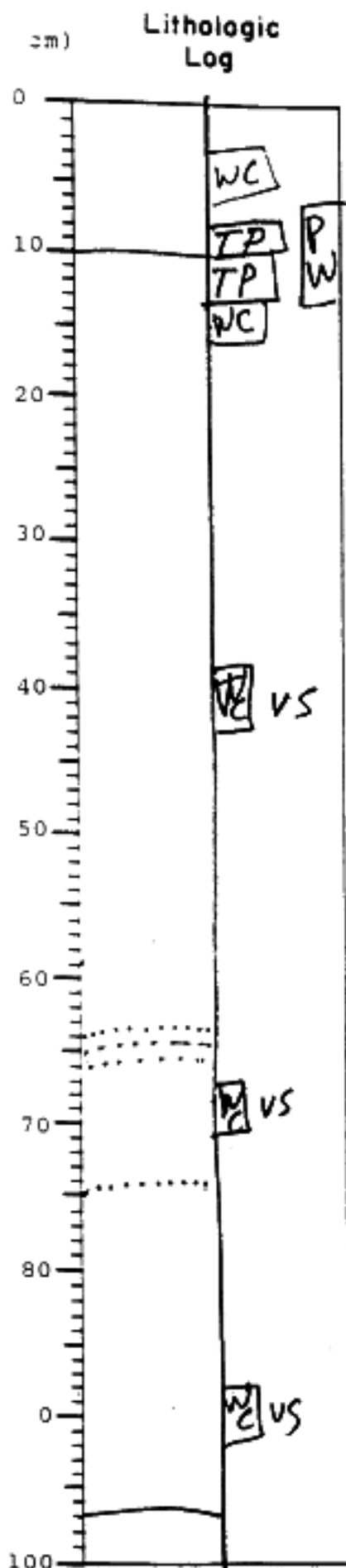
SECT. NO.	INTERVAL (m)	COMMENTS (Disturbance...)
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3 sections
 ~ 4.7 m

1	<u>0-1.52</u>	
2	<u>1.52-1.59</u>	
3	<u>1.59-2.85</u>	
4	<u>2.85-4.35</u>	
5		
6	<u>+ C/C</u>	
7		
8		
9		
10		

Material from bottom two liner pieces -

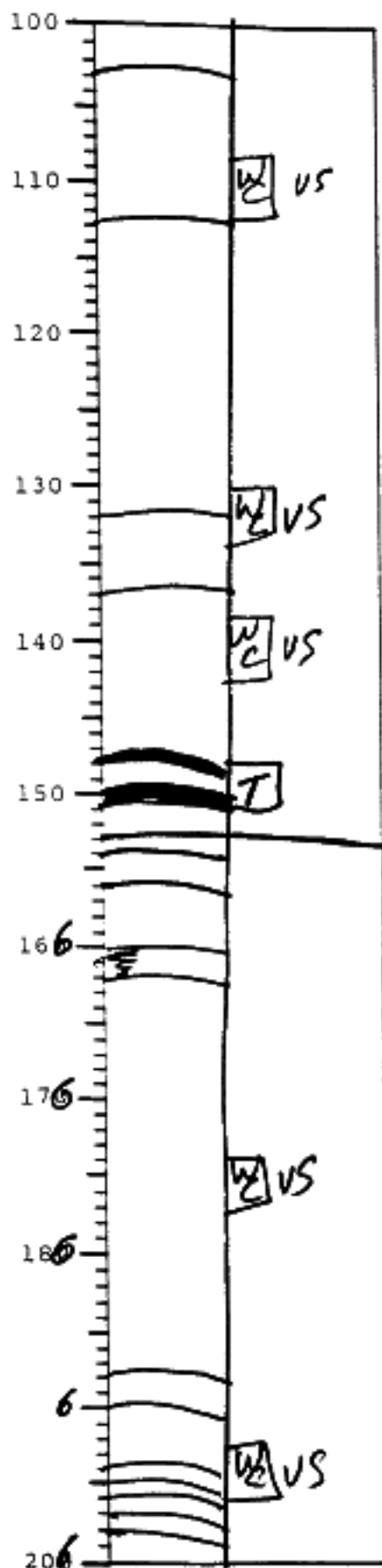
+ TC 30 88 cm + CC

Detailed Description

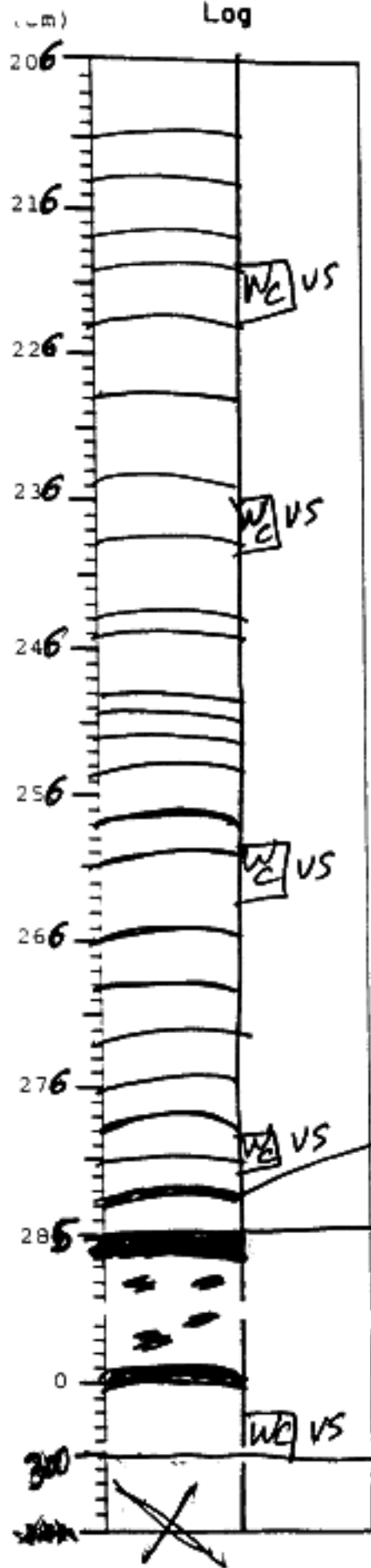
0-10 Moderate yellowish brown
 & rich clay - relative conc. of
 questionable because some washing up & down
 barrel & hole drilled to drain water off.
 ∴ no texture here - also trigger core
 is anomalous, yellow is missing & then
 duplicated 2x down core
 Sample above & below 10 cm to try & separate
 11-25 cm olive gray SK 3/2 ^{Abalone} & pleist
 becoming more brownish after 25 cm
 except for 64, 66, 76 where thin silt
 horizons occur w/ black laminae

subtle color banding 97-140

i) Lithologic Log

Detailed Description

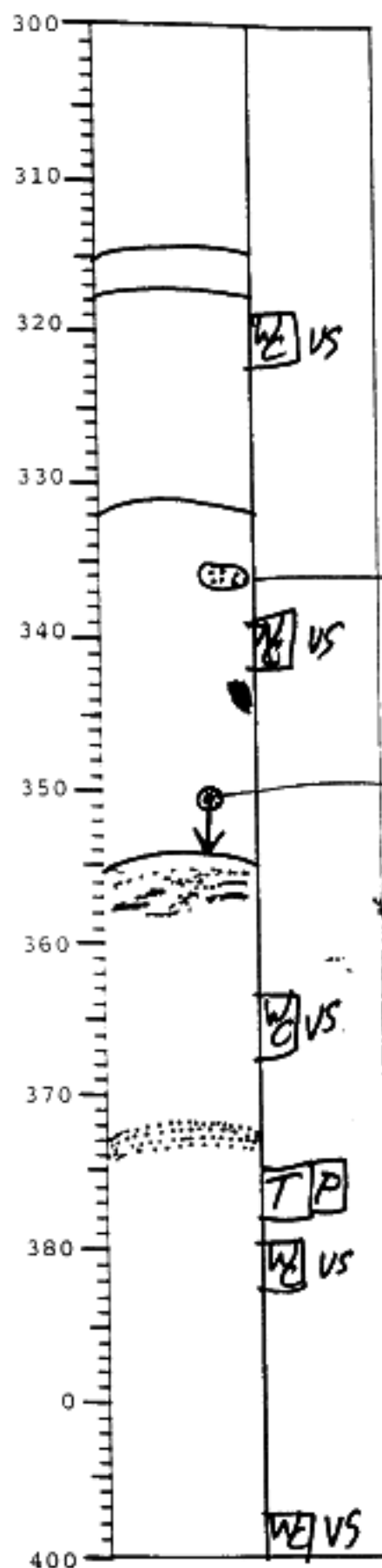
End of section of homogeneous clay
6 cm piece is found between

Lithologic
LogDetailed Description

Below 200 general regular banding
of 1 cm olive black clay layers
spaced at $\approx 2-5$ cm intervals
in olive gray clay
- w/ no general bioturbation evident

etc for thick dark bands back to 150 cm

Thick dark bands end @ ≈ 295
end of section 2

Lithologic
LogDetailed Description

After 295-330 - Thin 1-3 mm dark bands

silt bleb of siliciclastic debris

round burrow 2 mm filled w/ B's

355-358 irregular B laminae & blebs mixed w/ clay w/ darker olive clay below to 360 cm - with 5 mm burrows evident in both

373-374 silty ^{sand} laminae of clean B's (see correlated w/ PC 29)

@373 a color change from dusky yellowish brown 10YR 2/2 above to olive gray 5Y 1 below

Lithologic
LogDetailed Description