

F-4-90

Gulf of Mexico - April 1990

R/V Farnella

STATION/ CORE ID: 41/PC41
 DATE: APRIL 21, 1990 JD 111
 WEATHER: CALM
 RECORDED BY: Don U.F. De Bours
 PROCESSORS: _____

APPROX. LOCATION: FEEDER CHANNEL
TO N. LOBE? - LOW BACKSCATTER
 WATER DEPTH (m): 3280
 NAVIGATION: TRANSPODER
 WINCH: PICK THE PICK

MISC. EQUIP: Relay 100m up wire
 MISC. PROCEDURES: _____

COMMENTS: PC liner shattered at top of Sec B ~2.5m before break
~3m. Section C only ~50cm + probably well disturbed!

CORE LOCATION

	Start	On-Bottom	End
Time:	<u>1430Z</u>	<u>1546Z</u>	<u>1700Z</u>
LAT:	<u>26°43'44"</u>	<u>26°43'43.36"</u>	
LONG:	<u>85°12'52"</u>	<u>85°12'53.23"</u>	
TD:			
TD:			

CORE/CORE INFORMATION

Piston Core

Trigger Core

Core Head Wt (lbs.):	<u>2900/lbs</u>	
Barrel Length (m):	<u>6</u>	
Total Penetration (m):	<u>6+m</u>	<u>1+m</u> - no trigger scatter sample
Recovery (m):		<u>58cm</u>
Flow-in (m):		
Lowering Rate (m/min.):		
Max. Wire Out (m):	<u>3218m</u>	

PULL OUT = 4.1 tons

SECT. NO.	INTERVAL (m)	COMMENTS (Disturbance...)
1	<u>0-0.36</u>	<u>liner shattered</u>
2	<u>0.36-1.54</u>	<u>lots of sand</u>
3	<u>1.54-3.05</u>	<u>bedded mud</u>
4		
5	<u>+C/C</u>	
6		
7		
8		
9		
10		

+ TC41 0-0.58

Nelson

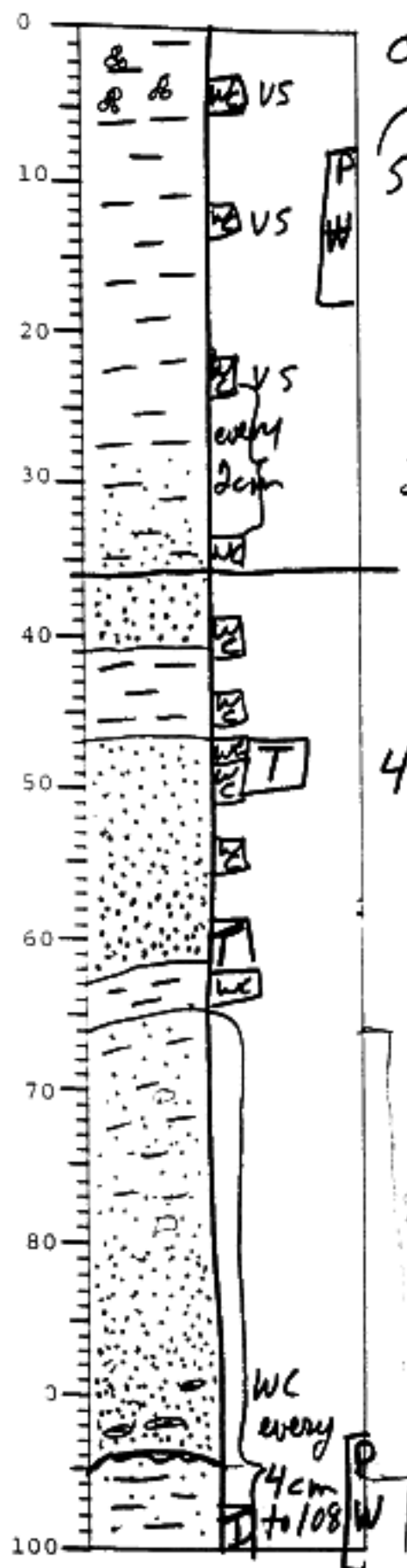
Sta. _____ Core No. PC41

303 cm

Lithologic
Log

Detailed Description

stacking



0-5 moderate yellowish brown & rich clay
 → Dark yellowish brown clay grading
 5-8
 to olive gray clay @ 9 cm

30-40 clayey silt grading to clay
 End of top section

48-65 graded silt ^{fine sand} layer -
 53-48 becomes clayey silt
 No structures apparent at this time

66-94
 at top = silty clay

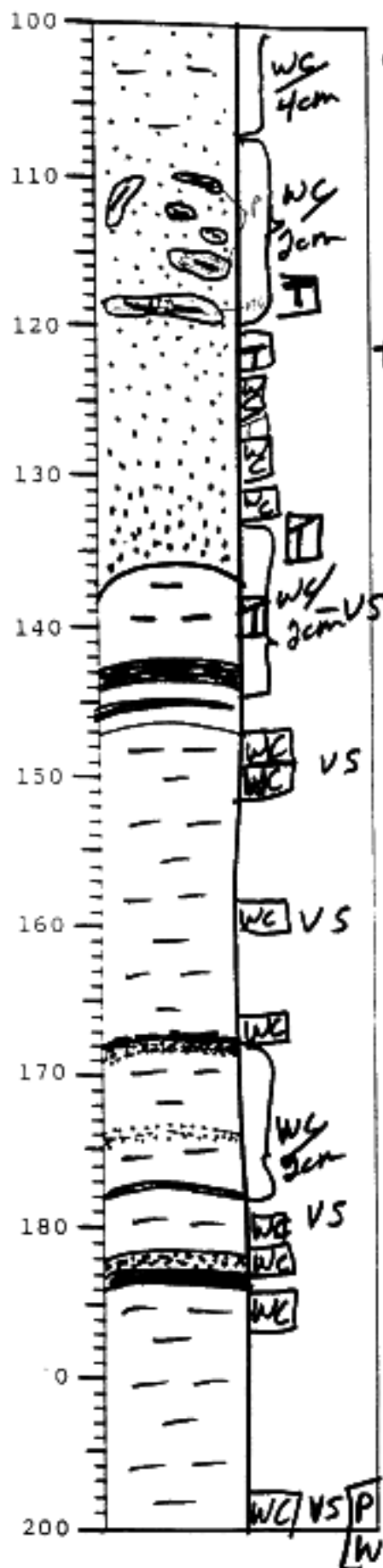
Some clay clasts in this interval - not just at base

87-94 silty vf sand or sandy silt
 at the base w/ flattened clay clasts of .25-2 cm
 irregular base that cuts into top of
 another turbidite

Sta. _____ Core No. PC 41

Lithologic Log

Detailed Description



94-137 Apparent extensive sand layer
above 110 cm becomes clayey silt to silty clay
110-120 - apparent large mud clasts
see if this is a graded sand from 120-137
+ 20 grades upward into vf silty sand

fine sand at base
sharp base w/ banded clay below
Banded Brownish gray clay with
carbonaceous layers exists to end of core

168-185 silt beds present

168 - carbonaceous band over ^{clayey} silt
layer of $\frac{1}{2}$ cm

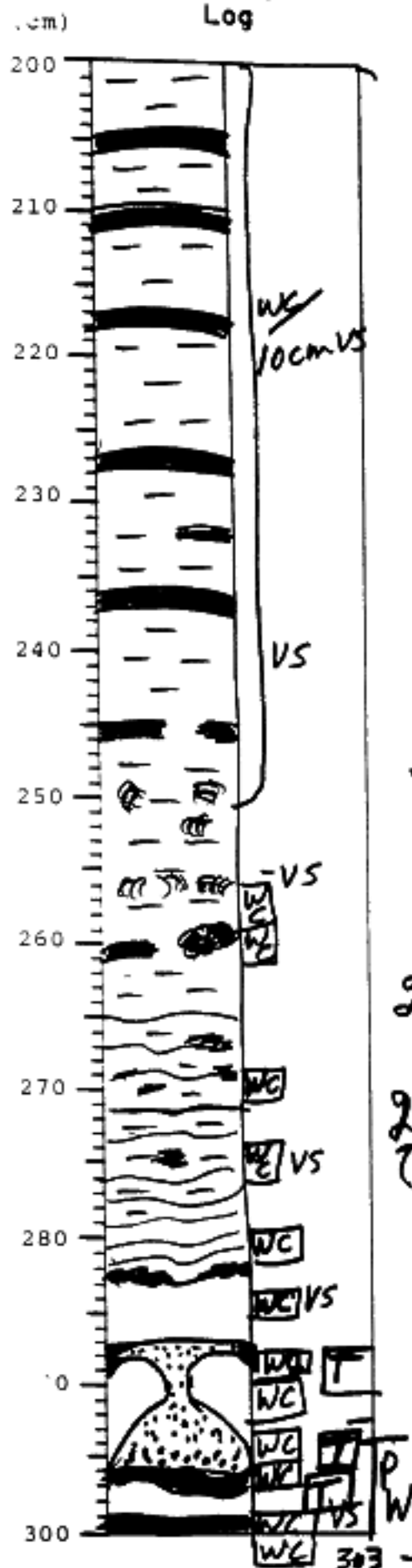
175-1 cm thick silt layer
Carbonaceous layer

182-183 silt layer w/ 1cm
carbonaceous layer below

Sta. _____ Core No. PC 41

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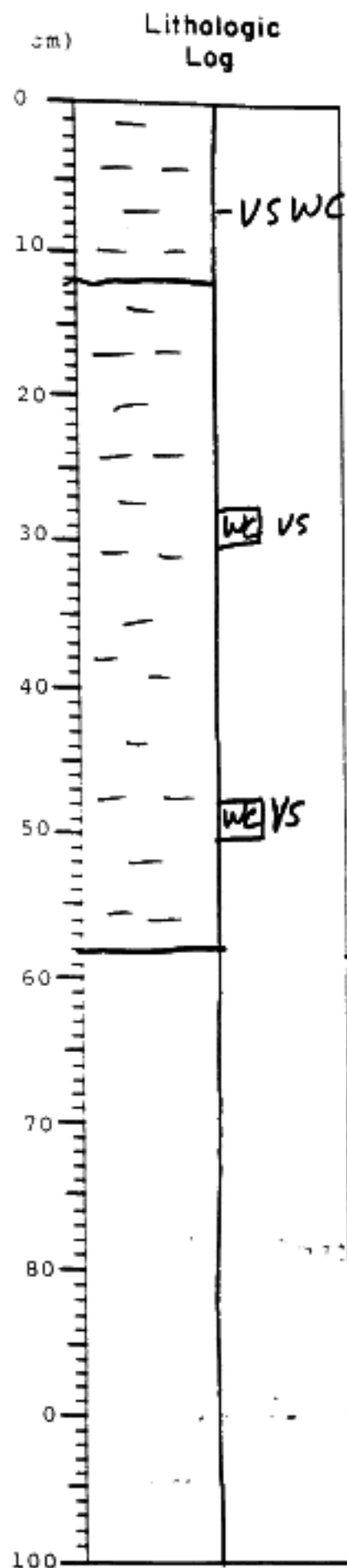
245-260 Apparent bioturbated
carbonaceous layers

260-283

268-296

↑ Increasing coining disturbance ending
w/ well graded silt bed

305 end of core

Sta. _____ Core No. TC41Detailed Description