

F-4-90

Gulf of Mexico - April 1990

R/V Farnella

STATION/ CORE ID: PC 21APPROX. LOCATION: Mouth ofDATE: 17 April, 1990 JD 107Box CanyonWEATHER: Calan, Clear, 100WATER DEPTH (m): 3353mRECORDED BY: T. WicheNAVIGATION: Loran CPROCESSORS: Lee/Barber/Nelson/Paul

WINCH: _____

MISC. EQUIP: _____

MISC. PROCEDURES: _____

COMMENTS: _____

CORE LOCATION

	Start	On-Bottom	End
Time:	<u>1855Z</u>	<u>2001Z</u>	<u>2115Z</u>
LAT:	<u>25°19.50'N</u>	<u>25°19.48'N</u>	<u>25°19.52'N</u>
LONG:	<u>84°44.93'W</u>	<u>84°44.95'W</u>	<u>84°45.00'W</u>
TD:	_____	_____	_____
TD:	_____	_____	_____

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>Ased on art stand</u>	_____
Recovery (m):	_____	<u>75 cm</u>
Flow-in (m):	_____	_____
Lowering Rate (m/min.):	<u>60 m/min to 3200 then ~ 20 m/min</u>	_____
Max. Wire Out (m):	<u>3287</u>	_____
Pull/s out:	<u>4.9 3284m</u>	_____

SECT. NO.	INTERVAL (m)	COMMENTS (Disturbance...)
1	<u>0-1.45</u>	_____
2	<u>1.45-2.95</u>	_____
3	_____	_____
4	_____	_____
5	_____	_____
6	_____	_____
7	_____	_____
8	_____	_____
9	_____	_____
10	_____	_____

+ C/C (b assed)

+ TC21 - 75cm + C/C

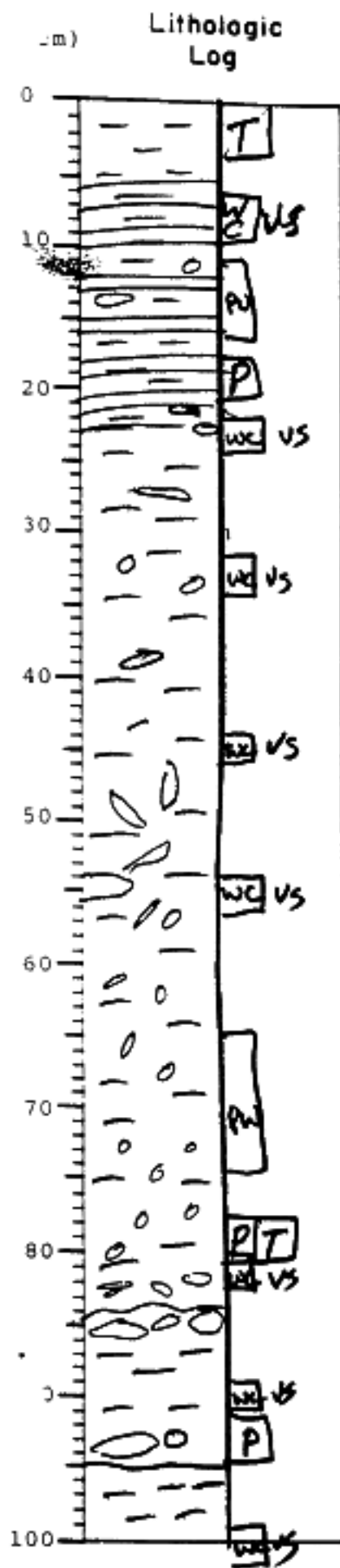
2 sections

Nelson

Sta. 21 Core No. PC 21

Tot length. 295cm

Detailed Description



0-10 Moderate yellowish brown (10YR 5/4) grading to dark yellowish " (10YR 4/2) by 10 cm - both mottled w/ burrows of dark yellowish

- Entire core = carbonate clay

- some common in top unit
- some nearly horizontal color laminations in upper 20 cm
- by 20 cm gradation to lt. olive gray (5Y 6/1)

23-85 lt olive gray w/ " " (5Y 4/1) well-developed burrow mottling

Some of " " contains nearly clean bands of &O's in dark horizontal bands

84-95 = homogenous olive gray clay (5Y 3/2) w/out burrows

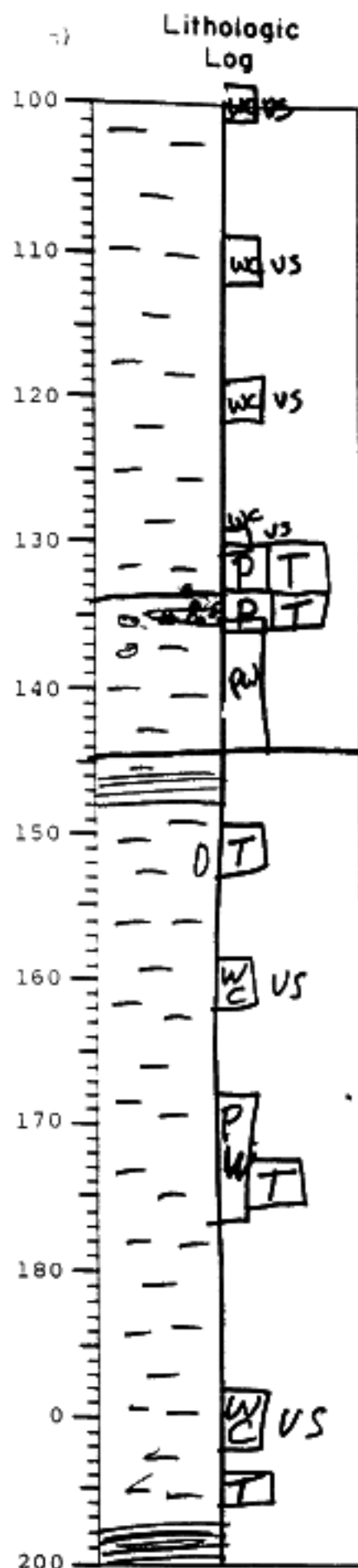
top contact gradational + bioturbated

- bottom @ 95 cm = sharp but two large burrow mottles above L to lt. olive gray (5Y 4/1)

① 95-134.5 lt olive gray clay grading back gradually to homogenous dark olive gray (5Y 3/2) clay
134.5 sharp contact w/ lighter olive gray clay (5Y 4/1)

85-94 - homogeneous clay w/ no burrows evident

95-100 well mottled w/ large burrows

Sta. 21 Core No. AC21Detailed Description

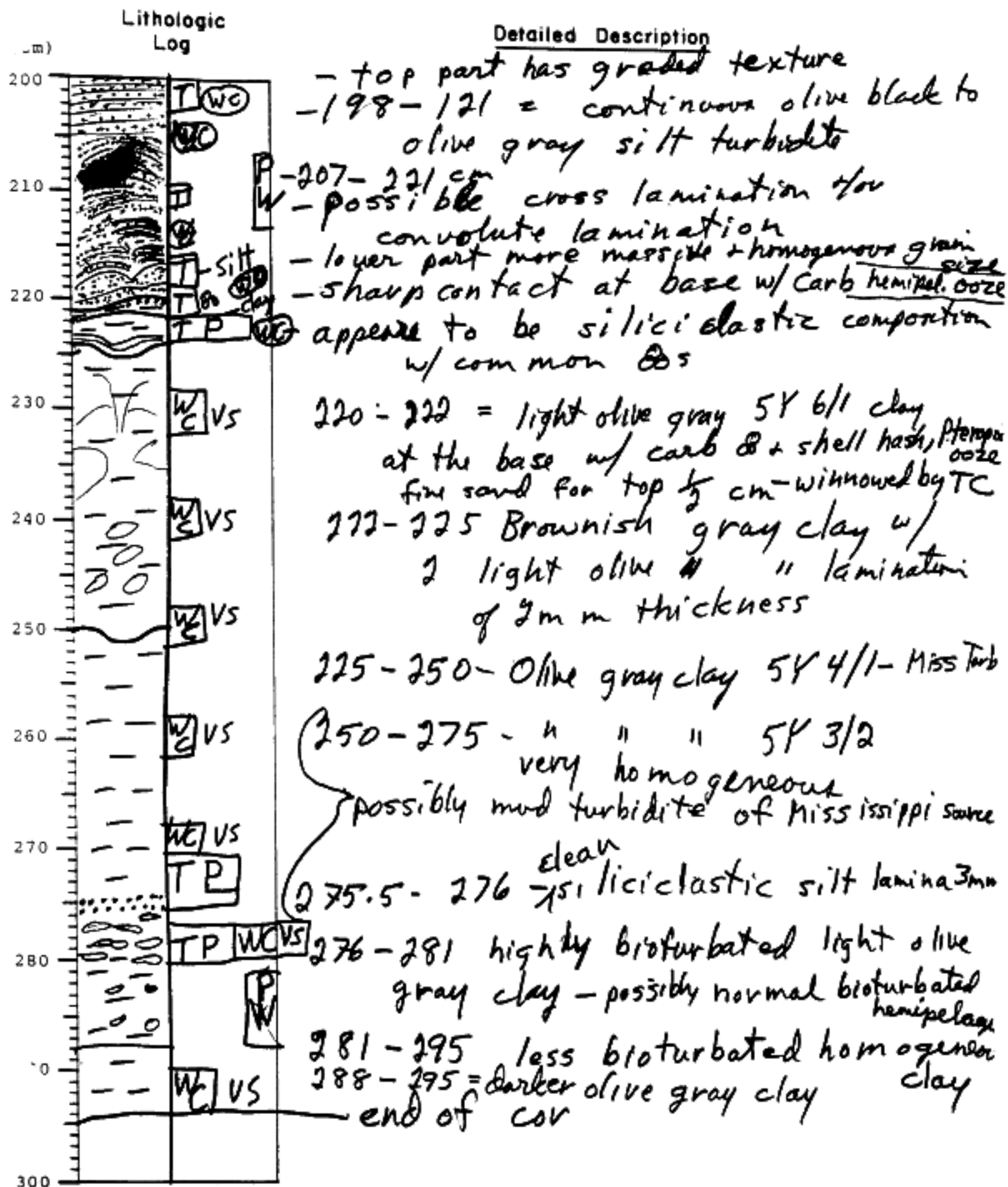
See p 2 note on p 1 for description

135-136 cm
burrows filled w/ B's
134-148 It olive gray clay
end of top core section
small color laminae

148-198 - homogeneous olive gray clay (5/4)
w/out apparent mottles

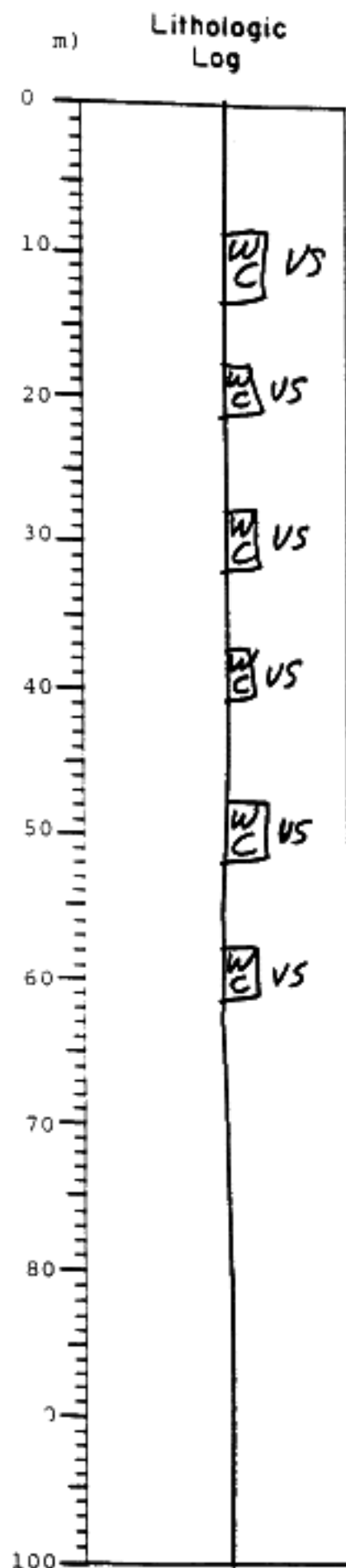
3 T samples

198-204
laminated fine silt w/ dark 1 mm bands as
top of graded turbidite bed



VISUAL CORE DESCRIPTION

E-4-90

Page 1 of 1Sta. 21 Core No. TC21Detailed Description

Trigger core = same as the
piston core so not
logged separately all
on PC sheet