F-4-90

Gulf of Mexico - April 1990

R/V Farnella

STATION/ CORE ID: 19/PC19
DATE: 16 April, 1990 JD 106
WEATHER: Even greater
RECORDED BY: Twichell
PROCESSORS: Lee/Nelson/Barber

APPROX. LOCATION: South levee of deep lobe channel
WATER DEPTH (m): 3118 m
NAVIGATION: Transponder nav
WINCH:

MISC. EQUIP: Acoustic relay 100 m above core head
MISC.PROCEDURES:

COMMENTS: core hit ~40 m from planned site.

CORE LOCATION

	Start	On-Bottom	End
Time:	1820	1919Z	2025
LAT:	26°14.50'N	26° 14.4297N	26° 14.06'N
LONG:	86°16.39'W	86° 16.6088W	86° 15.84'W
TD:		xponder fix	
TD:			

CORER/CORE INFORMATION

	Piston Core	Trigger Core
Core Head Wt (lbs.):	2800 lb	
Barrel Length (m):	6 m	1 m
Total Penetration (m):	½ wt. up wt stnd.	
Recovery (m):		empty trigger core
Flow-in (m):		
Lowering Rate (m/min.):	30 70 m	
Max. Wire Out (m):	60 m/min to 3000 m 14 m/min to bottom	
Pullout:	4.5 3046 m	

SECT. NO.	INTERVAL (m)	COMMENTS (Disturbance...)
1	4 sections - total length 5.33 m	
2		
3		
4		
5		
6		
7		
8		
9		
10		

4 sections

+ c/c

TC 19 V. Small Bagged Sample

VISUAL CORE DESCRIPTION

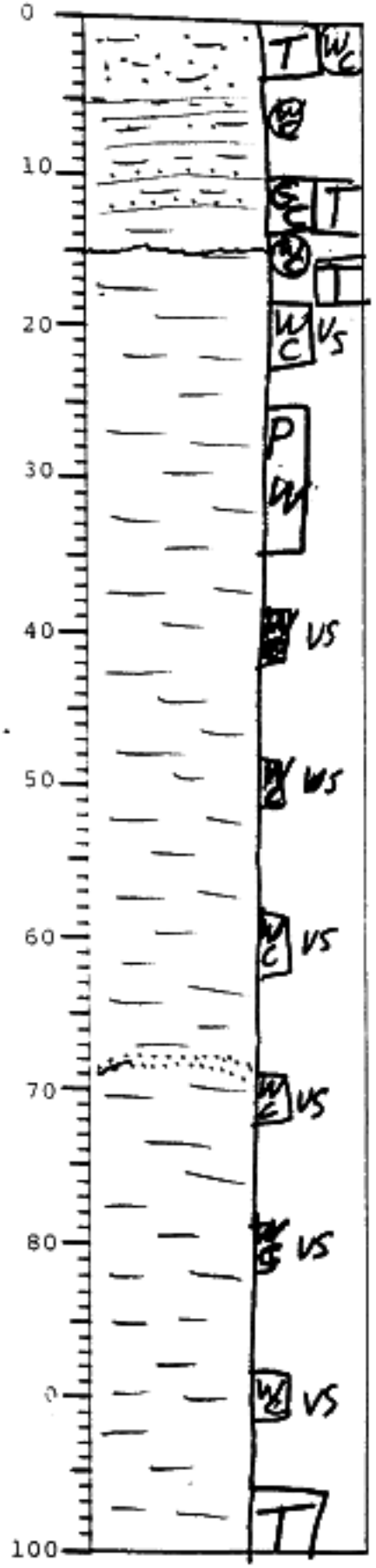
F-4-90

Kenyon

Sta. _____ Core No. PC 19

m)

Lithologic Log



Detailed Description

0-5 Muddy foram sand. Moderate yellowish brown 10YR 5/4 slightly silty?

5-13 Laminations of clay and sandy clay
Fe stained. Light brown 5YR 5/6

10-12 = indurated layer
14-16 = gradual transition from oxidized to gray

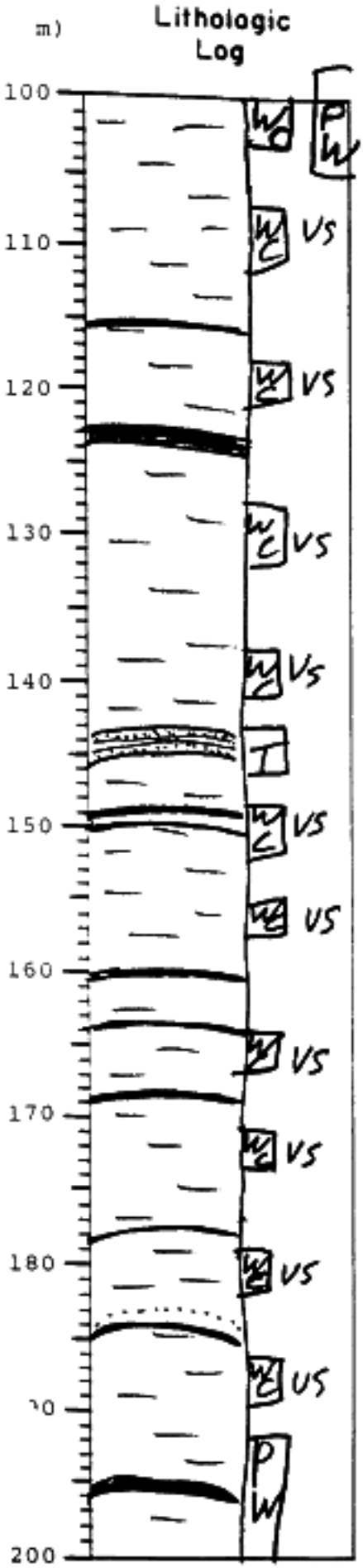
≈14-100 Gray clay. Fairly homogeneous but some faint colour bands. Dark yellowish gray 10YR 4/2 with gray (organic) bands

68 · 2 mm silty laminae

There is a thickening upward sequence for the upper 4 m or so

Kenyon

Sta. _____ Core No. PC 19



Detailed Description

100-200 Gray clay. Faint colour bands. Dark yellowish gray 10YR 4/2 predominant. Mottled, dark gray, organic rich bands are found mainly in the lighter colour bands. About 0.5 cm thick and on average 6cm apart.

Dark organic rich bands start about 115 cm

143-145 · Two 0.5cm silt layers

for T sample silt layer = ≈.5cm
∴ there is some clay contamination w/ silt that will affect T analysis

183 Silt lamina

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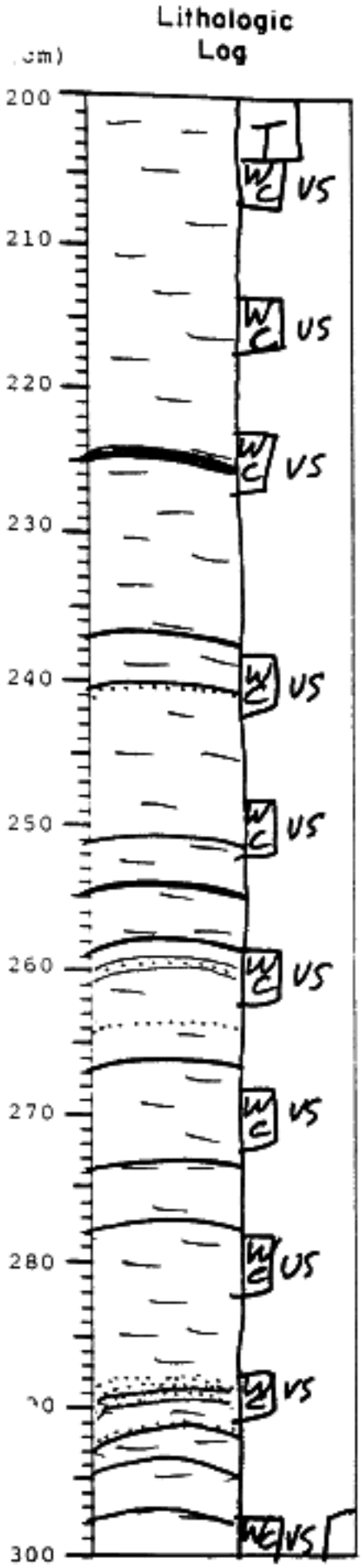

Detailed Description

200-300 Gray clay. Dark yellowish gray 10YR 4/2 grading down to olive gray 5Y 4/1 Mottled, dark gray, organic, bands, average about 2 cm apart

59-60 Silty layer

288-290 Silty laminations

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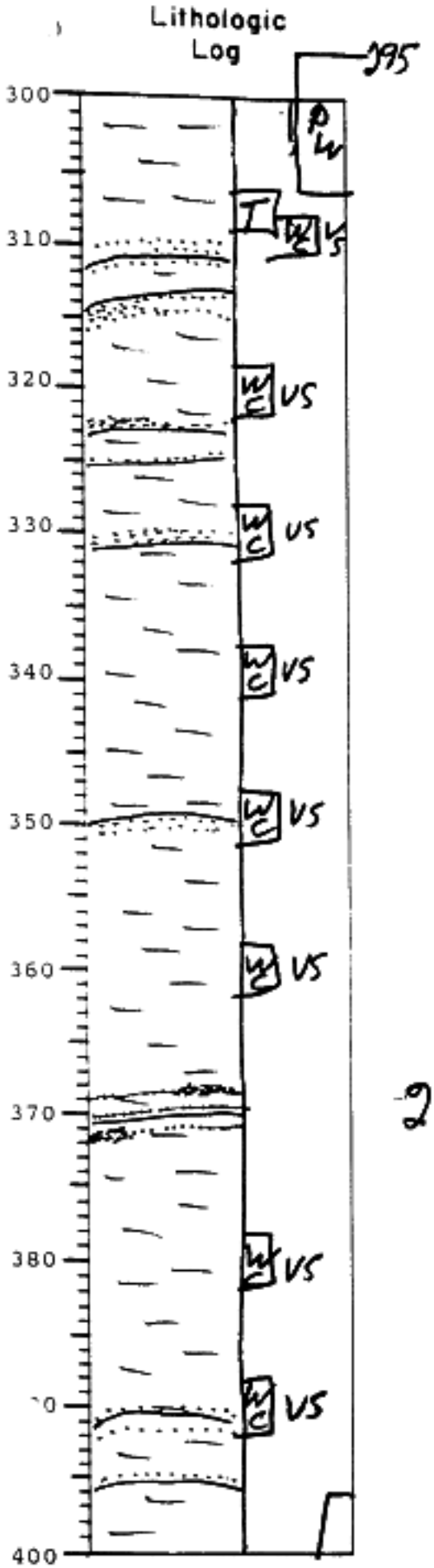

Detailed Description

300-400 Olive gray clay 5Y 4/1.
Bands of faint colour variation and dark gray, organic material. Average about 0.5cm apart. typically associated w/ 1mm silt lam

Silty bands have some thickening across core

306-308 = T

268-272 - Black lamina & blebs
silt blebs & laminae

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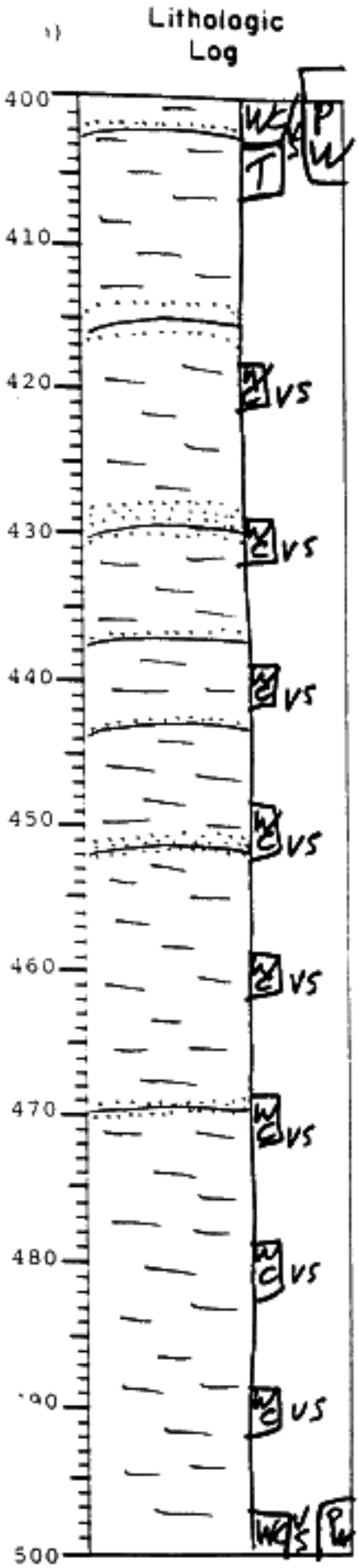

Detailed Description

400-500 Olive gray clay. 5Y 4/1

There are faint colour variations ~~and~~ in layers and also dark gray, organic, bands and irregular blebs. Thickness varies from fine laminae 0.2-0.4 cm thick couplets to 10 cm layers.

Silty laminae, olive gray 0.1-0.2 cm thick silty clay with clay between

Kenyon

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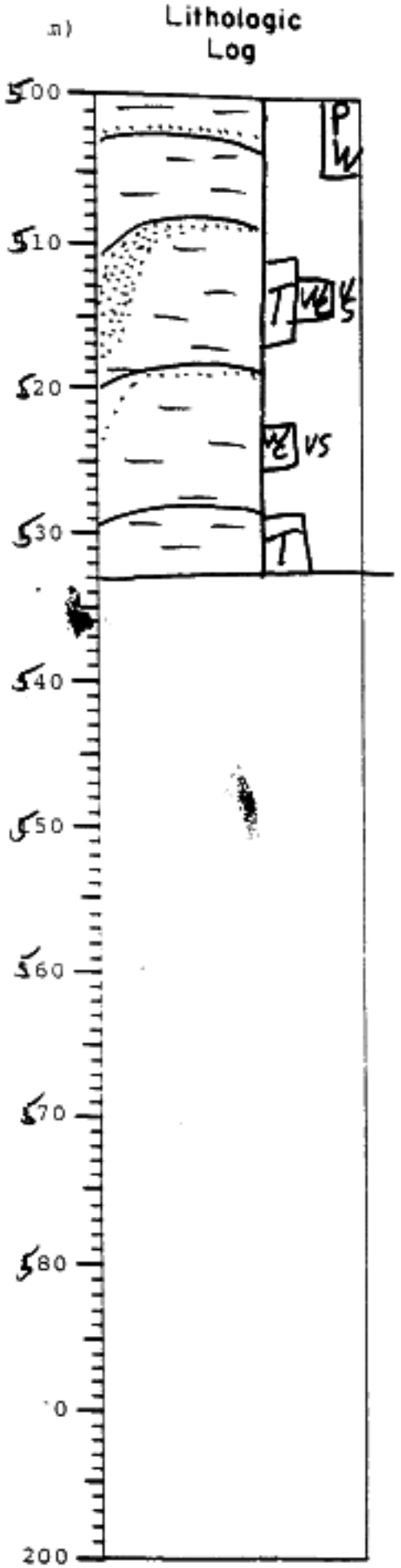

Base of core

Detailed Description

500-533 Olive gray clay 5Y 4/1
Faint laminae just visible down to 520

508-517 Silty clay, possibly distorted by coring disturbance
- Texture sample from silt layer only