F-4-90

Gulf of Mexico - April 1990

R/V Farnella

STATION/ CORE ID: 22/BC22
DATE: 17 April, 1990 JD107
WEATHER: Flat calm
RECORDED BY: Twichell
PROCESSORS:

APPROX. LOCATION: pool at base of headwall of northern canyon
WATER DEPTH (m): 3410m
NAVIGATION: ~~Loran C~~ GPS
WINCH:

MISC. EQUIP: bottles 8m + 16m above core head
MISC.PROCEDURES:

COMMENTS: This is a 2 barrel (6m) gravity core
Messenger on at 2330Z

CORE LOCATION

	Start	On-Bottom	End
Time:	2232	2351	0110Z
LAT:	25°20.70'N	25°20.70'N	25°20.47'N
LONG:	84°42.70'W	84°42.71'W	84°42.75'W
TD:		GPS Fix	
TD:			

CORER/CORE INFORMATION

	~~Piston~~ Core Gravity core	Trigger Core
Core Head Wt (lbs.):	2800/6	
Barrel Length (m):	6m	
Total Penetration (m):		
Recovery (m):		
Flow-in (m):		
Lowering Rate (m/min.):		
Max. Wire Out (m):	3363	

Pullout: 4.9 3356m

SECT. NO.	INTERVAL (m)	COMMENTS (Disturbance...)
1	0 - 1.10	
2	1.10 - 2.61	
3	2.61 - 4.12	
4		
5		
6		
7		
8		
9		
10		
	+ c/c	

3 good sections
1 flow in top
"BRAIN SED"

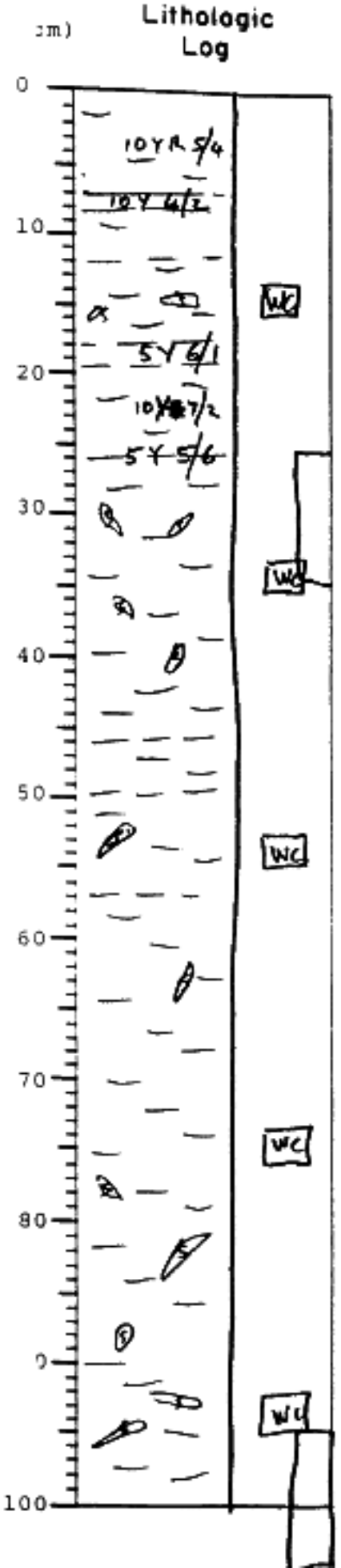
Top bottle 21m up wire. #2 Bottle
10m #1

VISUAL CORE DESCRIPTION

F-4-90

Kenyon

Sta. _____ Core No. GC 22



Detailed Description

Disturbed material believed sucked into top of barrel 0-38cm is disregarded.

0-104 Carbonate mud. Massive, burrowed (burrows less than 1 cm diameter) Faint layering may be chemical colour changes rather than primary bedding.

0-7 Moderate yellowish brown 10YR 5/4

7-8 Grayish olive 10Y 4/2

8-104 Yellowish gray 5Y 7/2 with pale gray burrow fills

26 0.5 cm Light olive brown 5Y 5/6

18-20 Light olive gray 5Y 6/1 with yellowish rim on either side

46, 50, 56 cm faint changes in colour

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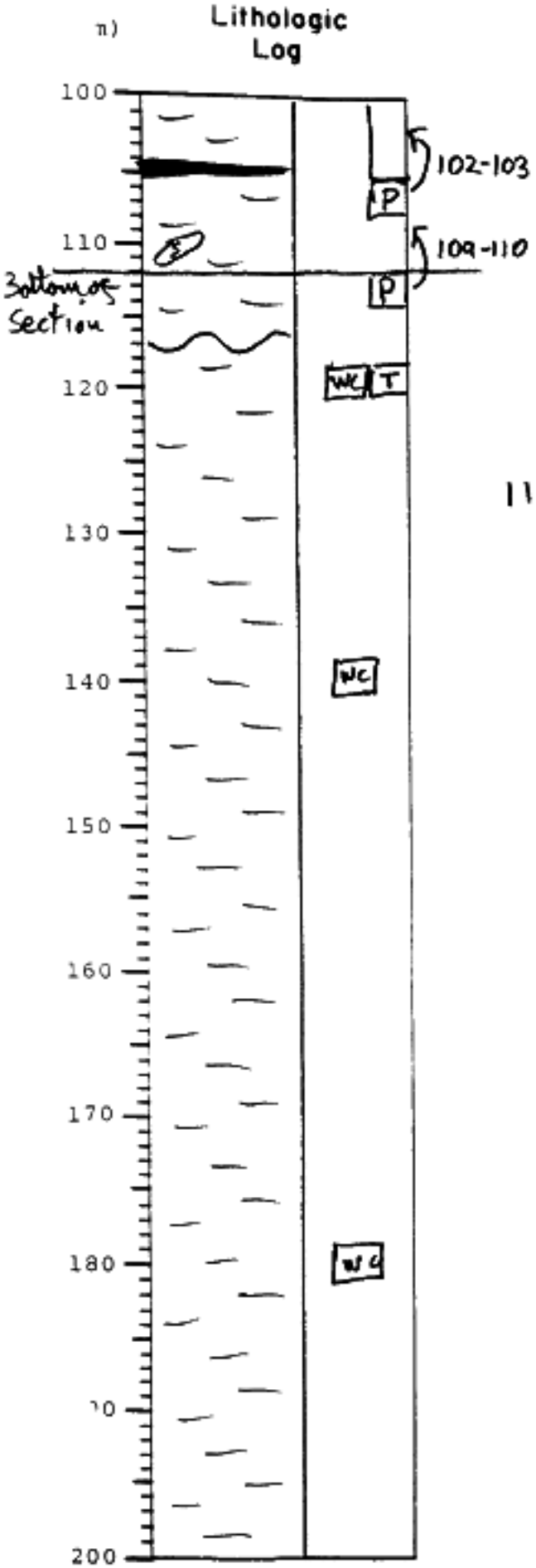

Detailed Description

100-104 Yellowish gray clay

104-105 Hardish iron rich band. Moderate brown 5YR 4/4 with 2 cm either side of light olive green/yellowish stain (10Y 5/4)

~~105~~

105-117 Light olive gray (5Y 6/1) clay Wavy lower boundary. Some bioturbating or moderate

117-233 Massive, featureless light olive gray clay 5Y 4/2

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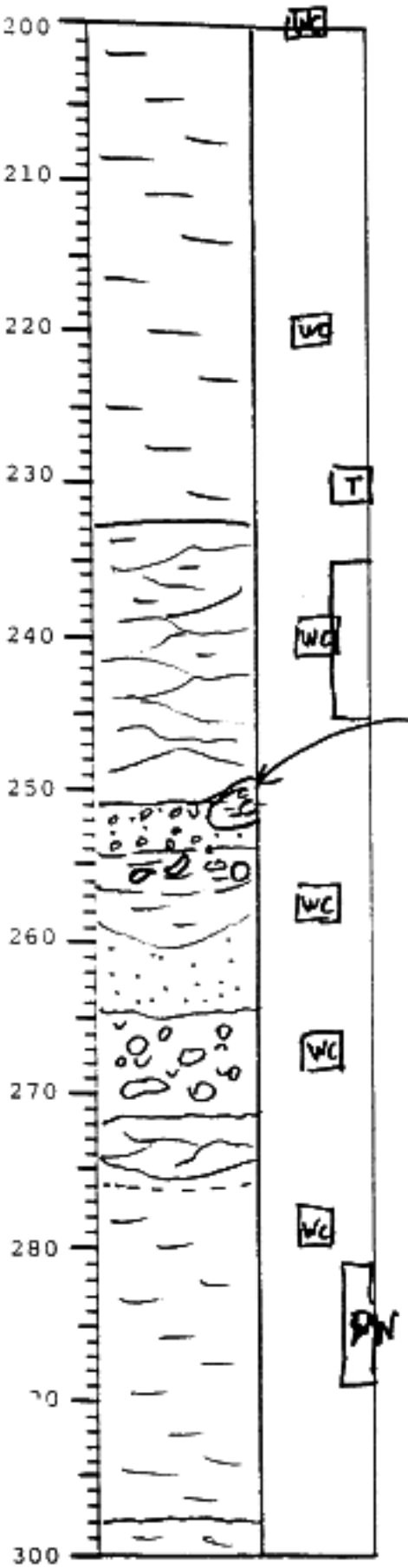
Lithologic Log



Detailed Description

200-233 Light or moderate olive gray clay. Massive, featureless 5Y 4/2

233-275 Irregularly bedded clays of various shades of gray, muddy shell sand with rounded clay pebble. Debris flow? Several thin debris flo

233-251 Appear to be lenses of various shades of gray clay, possibly flattened lumps. Mainly yellowish gray 5Y 7/2

248-251 Slightly silty clay

1.5cm rounded clay pebble

251-253 muddy shell sand, light olive gray 5Y 6/1.

253-256 Olive gray clay 5Y 3/2 with lighter gray {clay clasts / lumps within}

256-260 Yellowish gray clay 5Y 7/2

260-265 Light olive gray clay 5Y 5/2 with silty clay base

265-272 Olive gray 5Y 4/1 clay matrix with flattened mud pebbles in various shades of gray, and shell fragments

272-275 Yellowish gray clay 5Y 7/2, flattened lumps?

275-276 Iron rich band. Light olive brown staining 5Y 5/6

276-298 Structureless olive gray mud 5Y 3/2.

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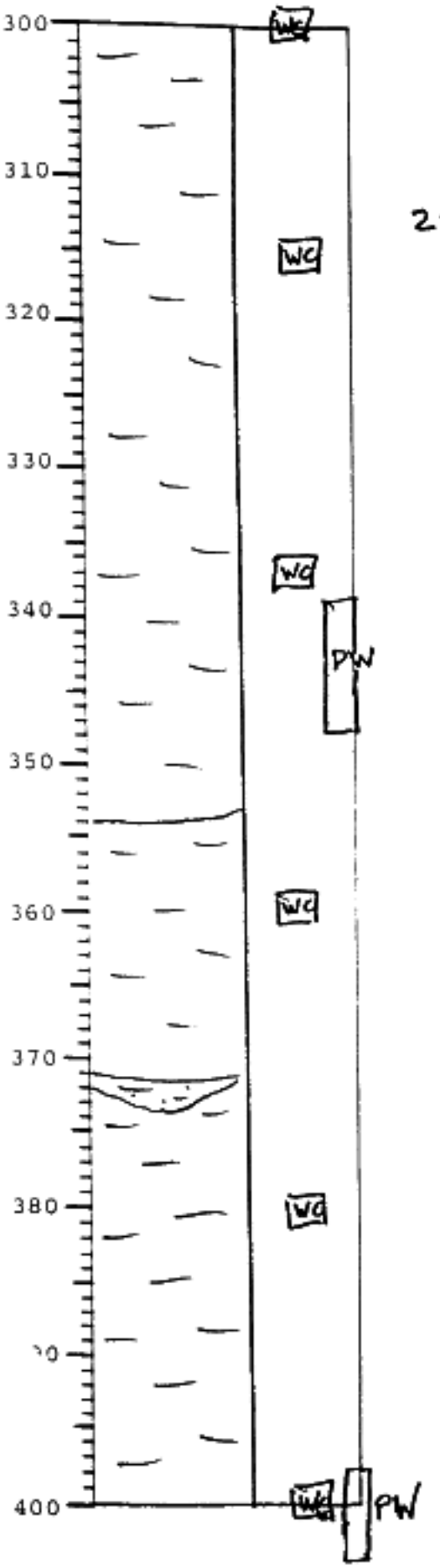
Lithologic Log



Detailed Description

298-354 Structureless medium olive gray mud clay 5Y 4/2

354-371 Structureless light olive gray clay 5Y 5/2

371-373 Possible silty clay base slightly lighter than above.

373-411 Structureless medium olive gray clay. 5Y 4/2

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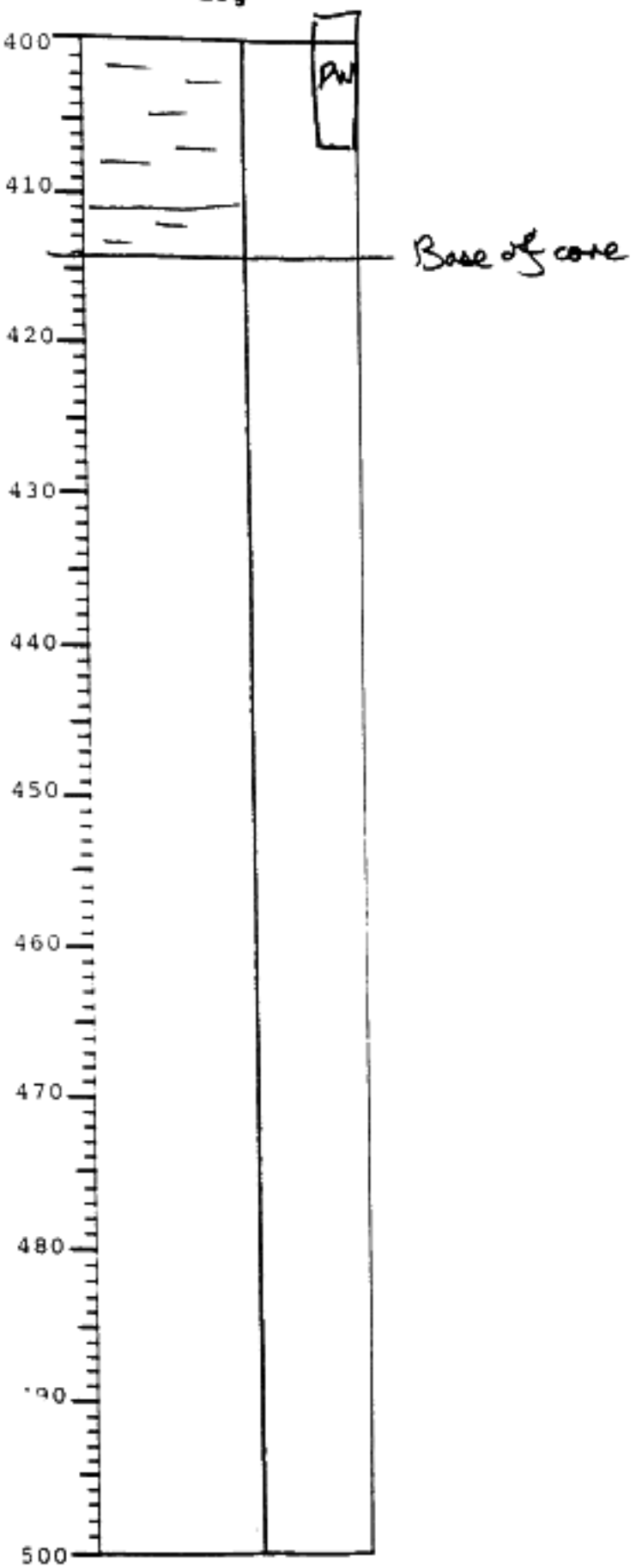

Detailed Description

411–414 Light olive gray clay 5Y 5/2