# F-4-90

## Gulf of Mexico - April 1990

R/V Farnella

STATION/ CORE ID: 11/PC11
DATE: APRIL 15, 1990 105 JD
WEATHER: STORMY IN DISTANCE
RECORDED BY:
PROCESSORS:

APPROX. LOCATION: SLOPE FAILURE IN CHANNEL BREAKOUT AREA.
WATER DEPTH (m): 3090m
NAVIGATION:
WINCH:

MISC. EQUIP:
MISC.PROCEDURES:

COMMENTS: ATTEMP CORE IN AREA OF SLOPE FAILURE USING TRANSPONDER NAV. * HIT WITHIN 100M OF TARGET

### CORE LOCATION

| | Start | On-Bottom | End |
|---|---|---|---|
| Time: | 1045Z | 1258Z | 1405 |
| LAT: | 26°13.63' | 26° 13.61' | 26° 12.61 N |
| LONG: | 86° 22.10' | 86° 22.08' | 86° 21.05' W |
| TD: | | | |
| TD: | | | |

### CORER/CORE INFORMATION

| | Piston Core | Trigger Core |
|---|---|---|
| Core Head Wt (lbs.): | 2800 lb | |
| Barrel Length (m): | 6m | 1m |
| Total Penetration (m): | to base of core head | 1m on outside of pipe |
| Recovery (m): | | 60 cm |
| Flow-in (m): | | |
| Lowering Rate (m/min.): | 3040 m | |
| Max. Wire Out (m): | PULL OUT 4.5 | |

1 Section

| SECT. NO. | INTERVAL (m) | COMMENTS (Disturbance...) |
|---|---|---|
| 1 | 0-1.43 | |
| 2 | | |
| 3 | | |
| 4 | | |
| 5 | | |
| 6 | | |
| 7 | | |
| 8 | | |
| 9 | | |
| 10 | | |

TC11 ~60cm

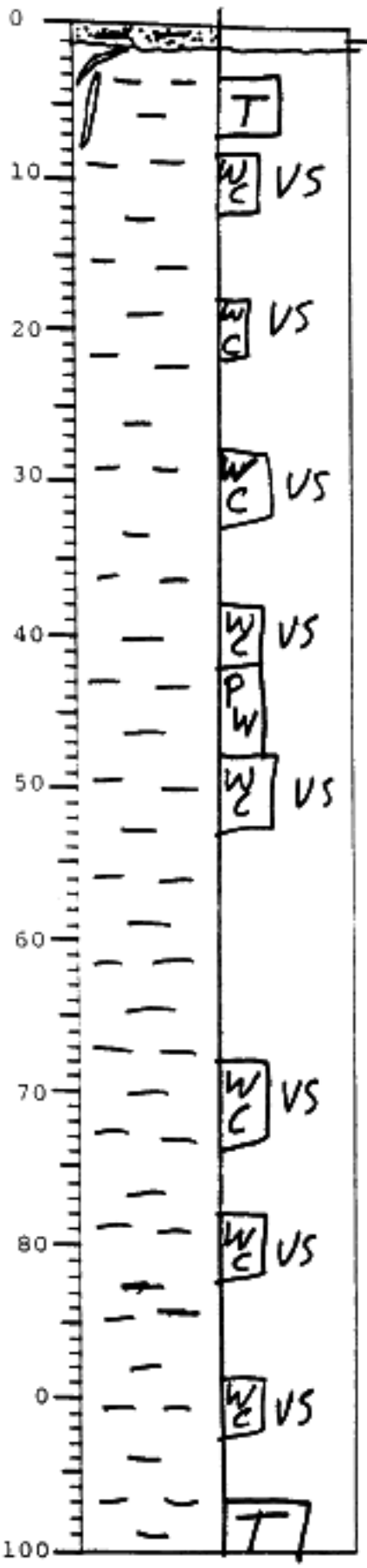
VISUAL CORE DESCRIPTION F-4-90 Page 1 of 2

Sta. 11 Core No. PC 11

CHN log

Detailed Description

1 section only




1/cm Cap of dark yellowish brown (10YR 4/2) clay w/80 sand

(Missing most of Holocene from this core – see TC log for first 16 cm that are missing here

Mn crust w/ black bottom half facing the Pleistocene mud black & top side red oxidized facing the Holocene with possible ripple topog.

May be some manganize filled 80s w/in

Black color = Dusky Brown (5YR 2/2) changing to green w/ air (H olive gray 5Y 5/2)

Oxidized (ripple side) = 10 YR 5/4 & 5Y 4/4 variagated colors (moderate yellowish brown & (moderate brown)

oxidized side develops hexoganal dessication cracks – don't know if occurred prior to drying in the labratory

2–100 cm – homogenous olive gray clay (5Y 3/2)

Rare black flecks

Top T Sample from TC 11

# VISUAL CORE DESCRIPTION

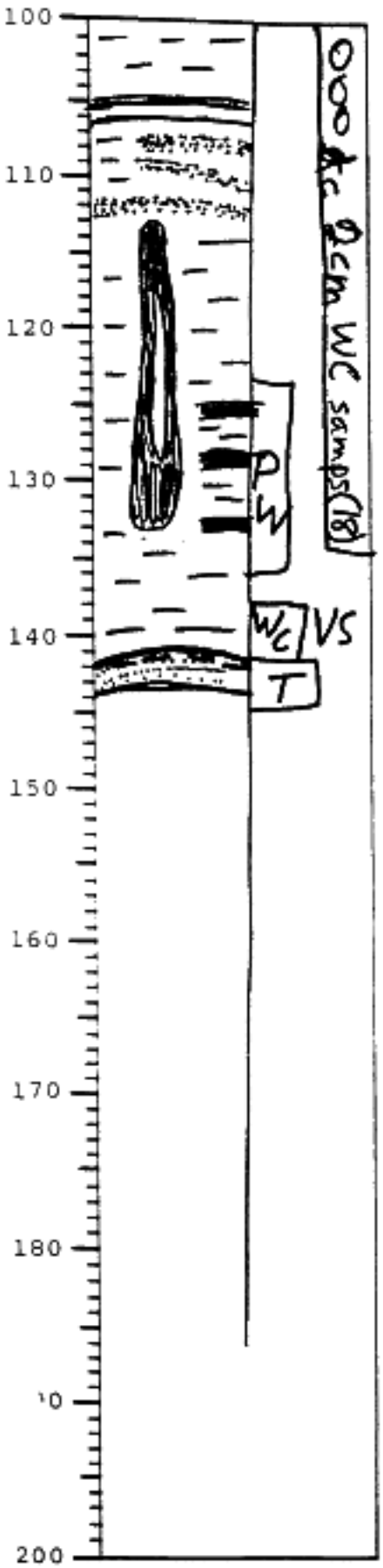
F-4-90



Sta. 11 Core No. PC 11

CHN logged

a) Lithologic Log




Detailed Description

-100-144 all olive gray clay with occasional 1cm silt laminae below 1m depth

-105+106 black bands

-114-134 large black burrow w/ hollow center only main bioturbation observed so far in all cores in olive gray clay photos (CHN slide closeups) of burrow

-107-114 silt (clayey) laminae w/out clayer

142-144 silt laminae capped by black top lamina

144cm = end of core section

# VISUAL CORE DESCRIPTION

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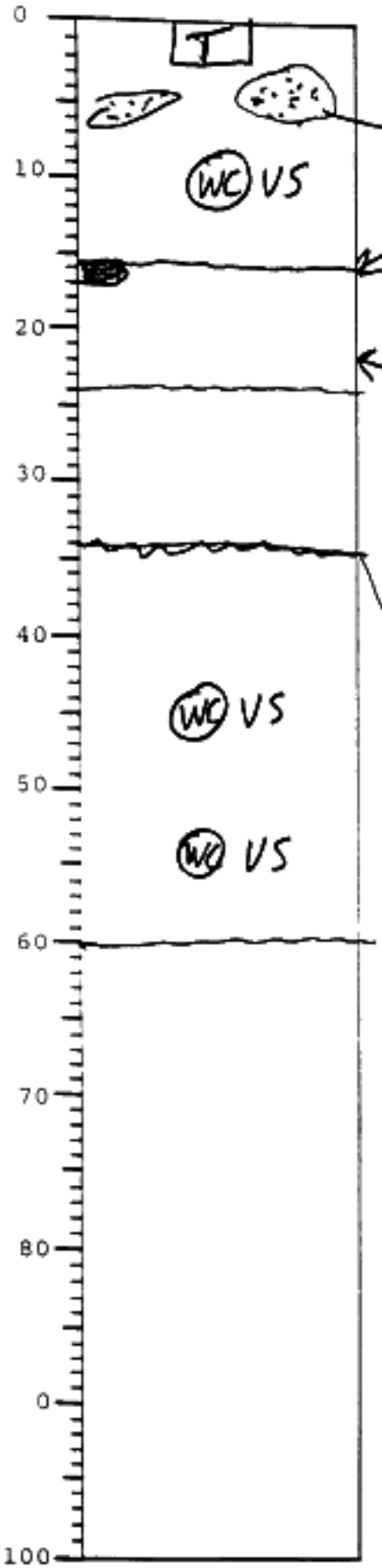
Sta. 11 Core No. TC11

CHN log

Lithologic Log

Detailed Description




0-16 cm Dark Yellowish brown clay 10YR 4/2
muddy sand blebs

gradational Contact

16-17 cm oxidized, slightly indurated fine silt layer
(5Y 4/2 moderate brown)

H Olive gray clay 16 - 24

24-35 Dark Yellowish brown clay
section repeated - double cored

Transitional boundary

35-60 = all olive gray clay
homogenous

Top T sample here because
missing from PC