

F-4-90

Gulf of Mexico - April 1990

R/V Farnella

STATION/ CORE ID: 53/PK 53
 DATE: 23 April, 1990
 WEATHER: Calm
 RECORDED BY: Twissell
 PROCESSORS: _____

APPROX. LOCATION: Southern
Caribbean Lobe
 WATER DEPTH (m): 3293m
 NAVIGATION: Loran C
 WINCH: _____

MISC. EQUIP: _____
 MISC. PROCEDURES: _____

COMMENTS: 2nd core in transect
Trigger core only ~ 30 cm long. Nails on catcher + 1st sleeve were
loose, but we could get them out. 4 sections - core ~ 6 m

CORE LOCATION

	Start	On-Bottom	End
Time:	<u>1711Z</u>	<u>1815Z</u>	<u>1920Z</u>
LAT:	<u>26° 27.70'N</u>	<u>26° 27.85'N</u>	<u>26° 28.17'N</u>
LONG:	<u>85° 04.74'W</u>	<u>85° 04.70'W</u>	<u>85° 04.20'W</u>
TD:	_____	_____	_____
TD:	_____	_____	_____

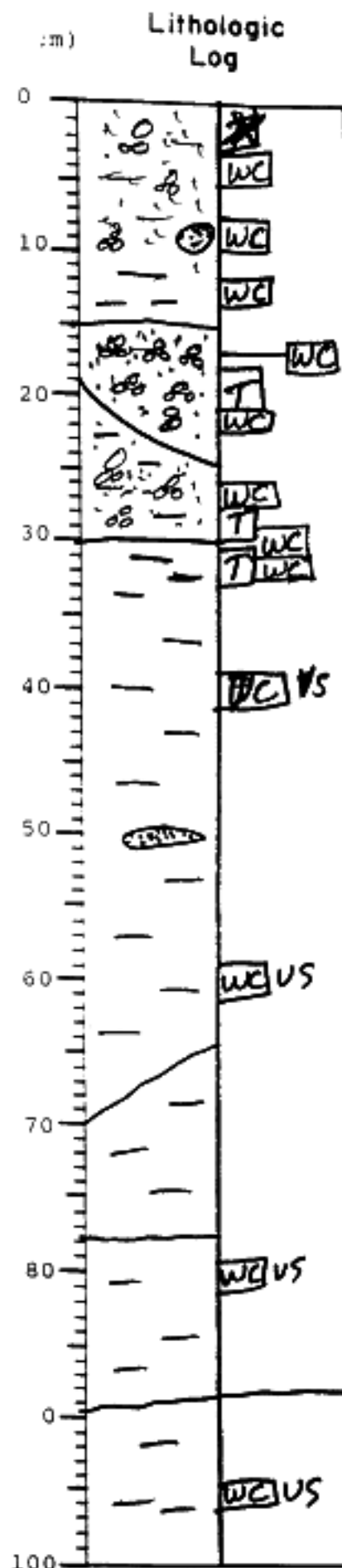
CORER/CORE INFORMATION

	Piston Core	Trigger Core
Core Head Wt (lbs.):	<u>2800 lb</u>	<u>150 lb</u>
Barrel Length (m):	<u>9 m</u>	<u>1 m</u>
Total Penetration (m):	<u>~ 8 m</u>	<u>1 m</u>
Recovery (m):	_____	<u>29 cm</u>
Flow-in (m):	_____	_____
Lowering Rate (m/min.):	<u>25 m/min near bottom</u>	_____
Max. Wire Out (m):	<u>3224 m</u>	_____
Pullout:	<u>3220 ~ 4.5 tons</u>	_____

SECT. NO.	INTERVAL (m)	COMMENTS (Disturbance...)
1	<u>0-0.92</u>	_____
2	<u>0.92-2.42</u>	_____
3	<u>2.42-3.70</u>	_____
4	<u>3.70-5.19</u>	_____
5	_____	_____
6	<u>+ C/C</u>	_____
7	_____	_____
8	_____	_____
9	_____	_____
10	_____	_____

TC 53 0-0.29

Sta. _____ Core No. PC53



Detailed Description

Detailed Description

- Dark yellowish brown

0-10 cm mod w/ boturbation up to 1 cm w/ clean s.s. filling burrow

- this unit = 14 cm thick in trigger

11-12 - oxidized indurated clay layer
- Grayish brown 5YR 3/2

15-24 ~~sub 1524~~ sand - olive gray 544/1

19-24 to 29 muddy & sand - lt olive gray

29-30 ^{olive} gray day - (546/1)
(545/2)

30-50 → dark yellowish brown homogeneous
(104R-4/2) clay

50-70 olive gray clay

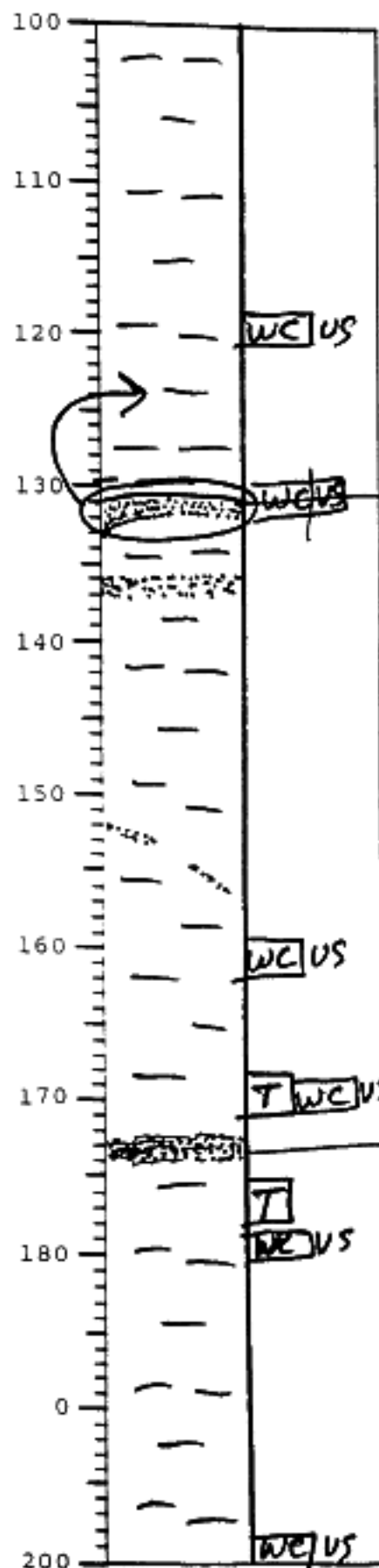
70-77

77-90 dusky yellowish brown clay

end of section 1

Lithologic Log

Detailed Description

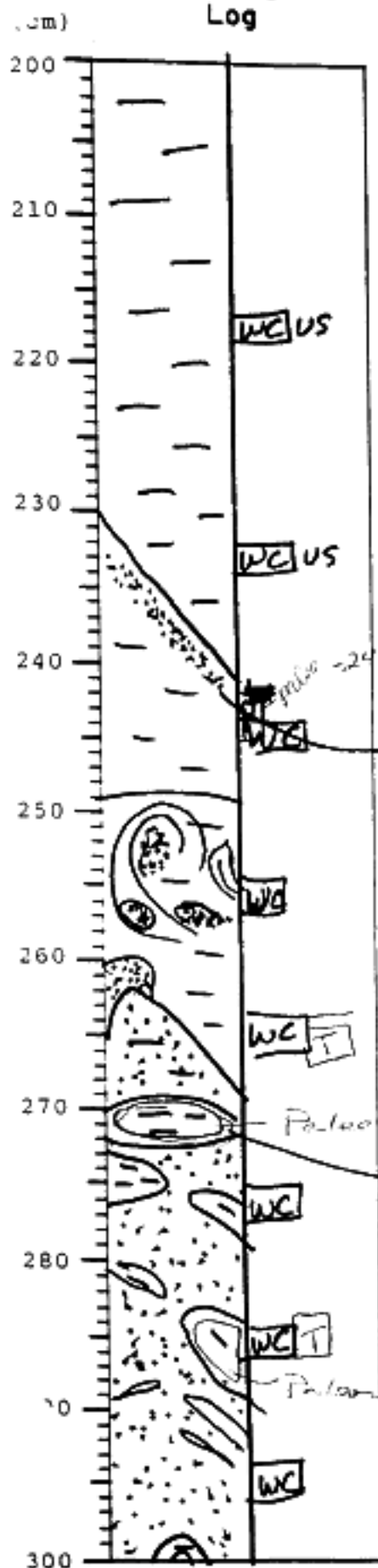


77 to 174 - dark yellowish
brown but below ^{surface} 1.5 olive gray
near m.
- possible flow in mixing?

192-193 & sandy ^{siliciclastic} silt
2 1m m laminae
136-137 massive muddy silt

152-154 silt stringers

- & sand clean 173-174
174 to 230 - 240
(54 3/4) Olive gray homogeneous clay

Lithologic
LogDetailed Description

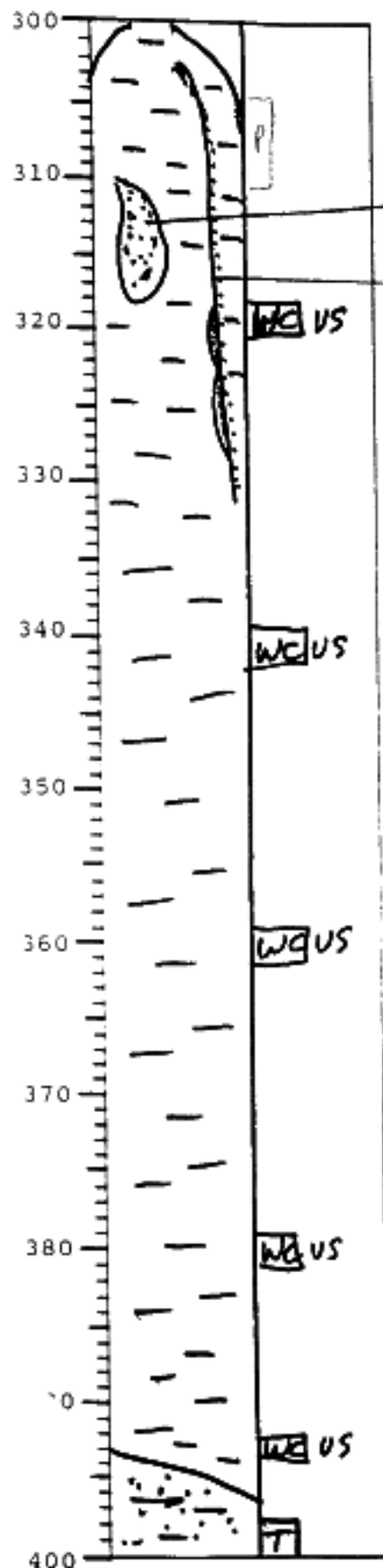
230 - 330 - stratigraphy preserved
but extensive flow-in

230-240 start of Dusky yellowish
disturbed fine sand brown muddy
laminae in clayey silt layers

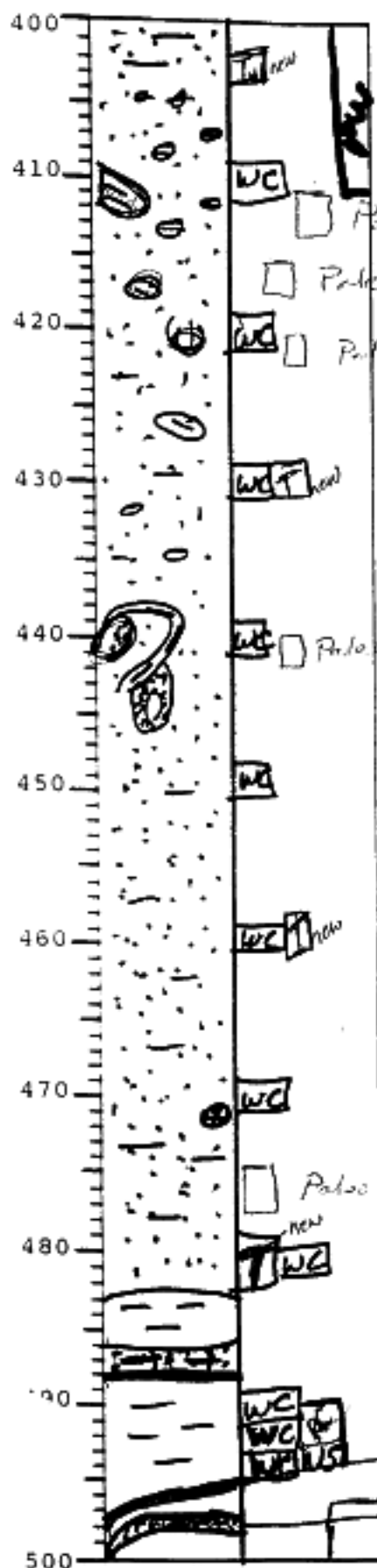
252-259 - clean ^{fine} sand blebs in olive
gray clay w/ flow in

263 - disturbed brown ~~sludgy~~ ^{mud} w/
clear silt + clayey silt bands
olive gray clay bleb

263 - 300 sandy silty unsorted
distorted mud w/ ^{flattened elongated} clay clasts

Lithologic
LogDetailed Description

300-395 olive gray clay w/
300-306 - paler sample
clean sand bleb
flow in clean sand stringer } in upper part

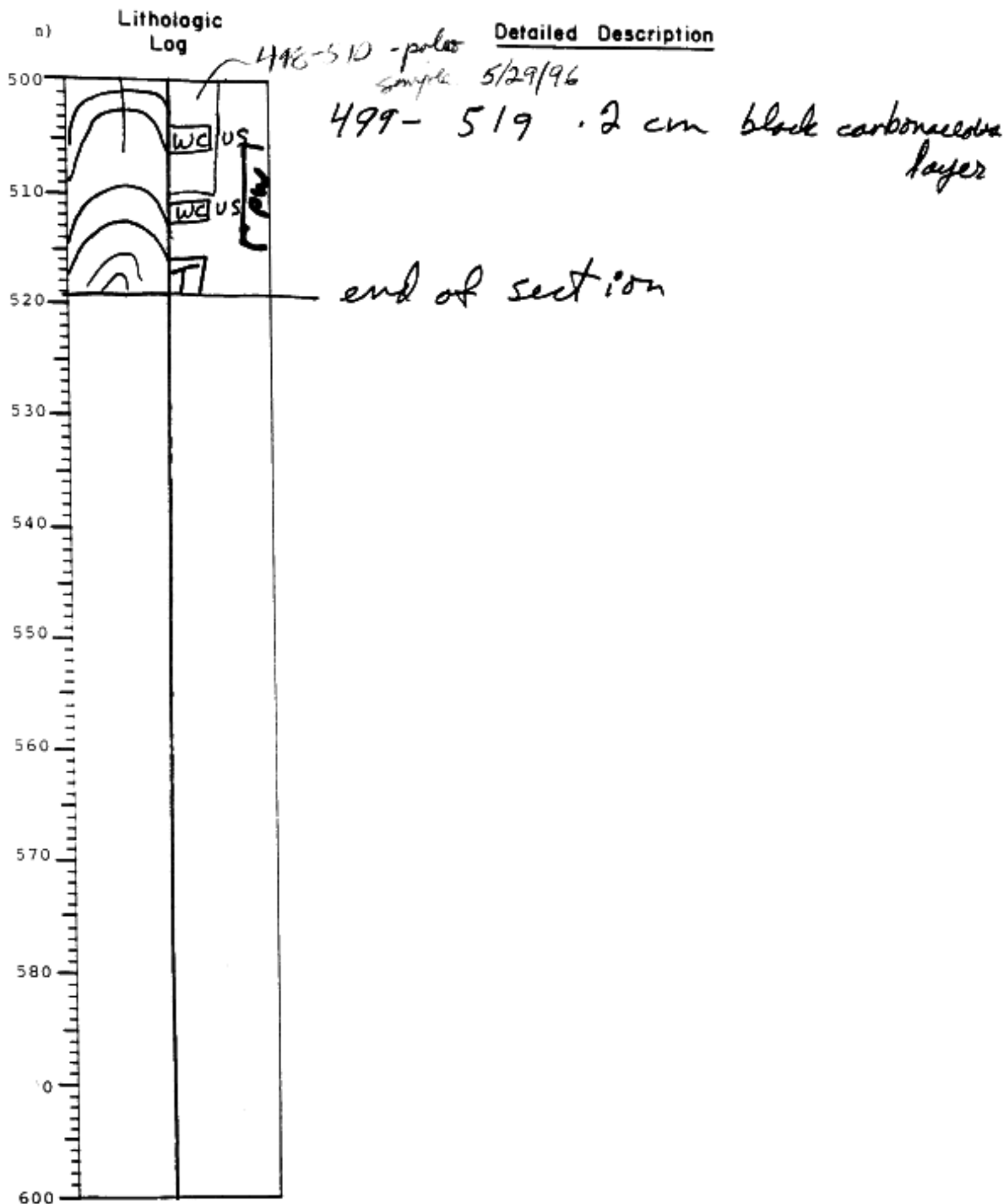
Lithologic
LogDetailed Description

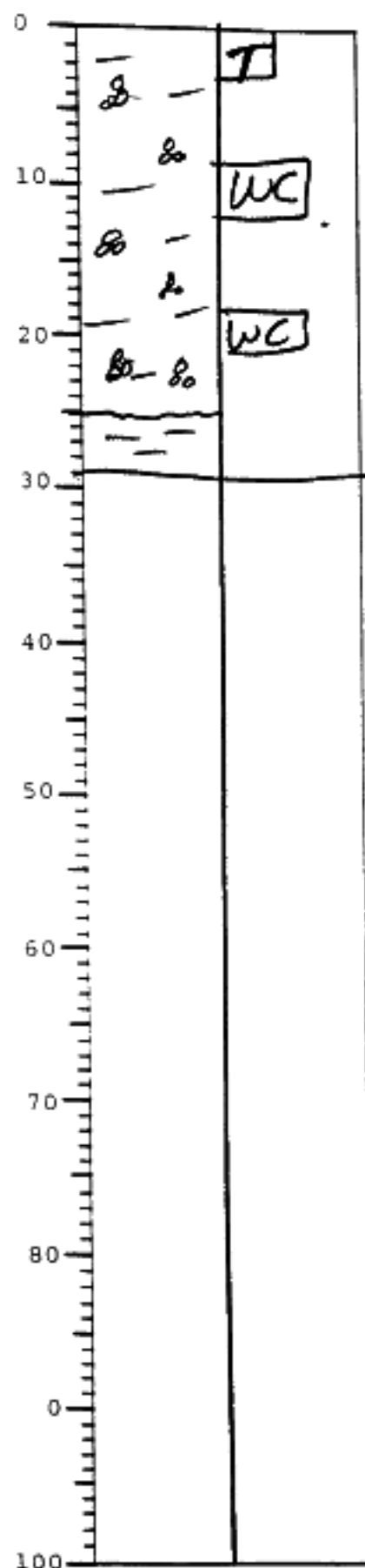
395-483 dusky yellowish
occasional w/ clay clasts from brown

2 cm x 1 cm to 2 mm dia
clasts most common
in upper half of layer

1 very small 1 mm wood fragment

488-498 - dark yellowish brown
dark band .5 cm
fine sand .5 mm



cm)
Lithologic
LogDetailed Description

0-25 - Dark yellowish
brown ss mud
15 cm longer than PC section
transition to grayish brown
end of section