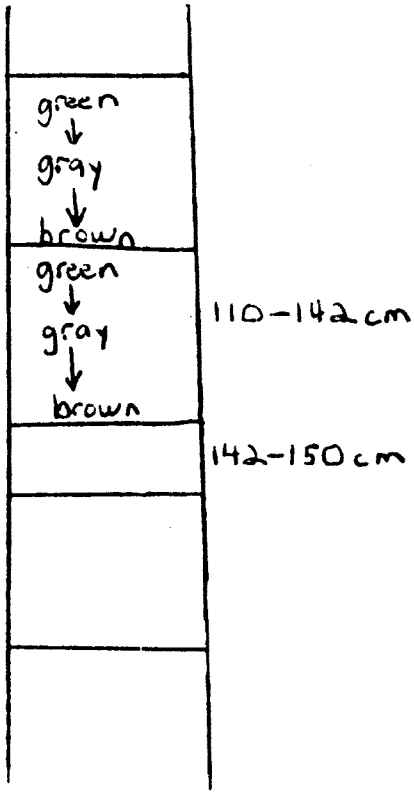
To whom it may concern:

Some of these core descriptions may be confusing. There are repeating cycles where 3 types/colours of sediments make up one cycle. But the <u>whole</u> cycle is indicated rather than each colour/type. Ask Chris Gutmacher for a better explanation if needed.



MGG 06115017

S15-79-NC core locations (second cut, confidence in accuracy is high)

						Depth (m)
station	1 P&PG	36°	08.50' N	122°	40.00' W	3362
	2 P&PG	35	59.99	122	46.01	3508
	3 P&PG	36	00.53	123	16.63	3517
	4 P&PG	35	47.85	123	00.27	3721
	5 P	35	44.90	123	05.02	3765 no core - sand + gravel in core catcher
	6 P&PG	36	05.45	122	56.55	3478
	7 P	35	10.51	124	38.96	4386
	8 P	35	08.65	124	42.37	4382
	9 G	35	19.35	123	57.95	4080
	10 PG	35	01.20	123	16.76	10 P - no core ← 4045
Monterey Fan	10 G	35	01.25	123	16.77	no core - wood in core catcher
	11 P&PG	36	19.30	123	43.57	3725
	12 G	37	41.40	126	14.60	no core - grit, mud on barrel 4397
	13 P&PG	38	08.73	125	30.37	4016
	14 FF	38	10.64	125	55.81	4239
Delgada Fan	15 FF	38	13.25	125	58.03	4242
	16 FF	38	15.33	125	59.51	4237
	17 FF	39	11.62	124	53.87	3063
	18, 19, 20	no recovery				
	21 P&PG	39	17.07	125	02.33	3063

These locations are plotted on the core compilation sheet

P = piston core PG = gravity core trigger for piston core

G = gravity core FF = freefall (boomerang) core

depths in meters, read from 12 kHz records & corrected by Matthews tables, combined areas 43 & 44.

USGS STATION LOG

SHIP / LEG S15-79-NC

LATITUDE 36°08.05

LONGITUDE 122°40.00

STATION NO. 1P

LINE NO.

DAY/MONTH/YEAR

DATE 27/11/79

TYPE OF STORAGE (check one)

	X	
DRY	COLD	FROZEN

SAMPLE NO. TYPE & ID.	UNCORRECTED DEPTH (M)	CORE LENGTH	BASIC LITHOLOGY	AGE OF BOTTOM
1Pg	3362	15 cm		
1P Sec. 5	"	0-18 cm		
" Sec. 4	"	18-168		
" Sec. 3	"	168-318		
" Sec. 2	"	318-456		
" Sec. 1	"	456-606		

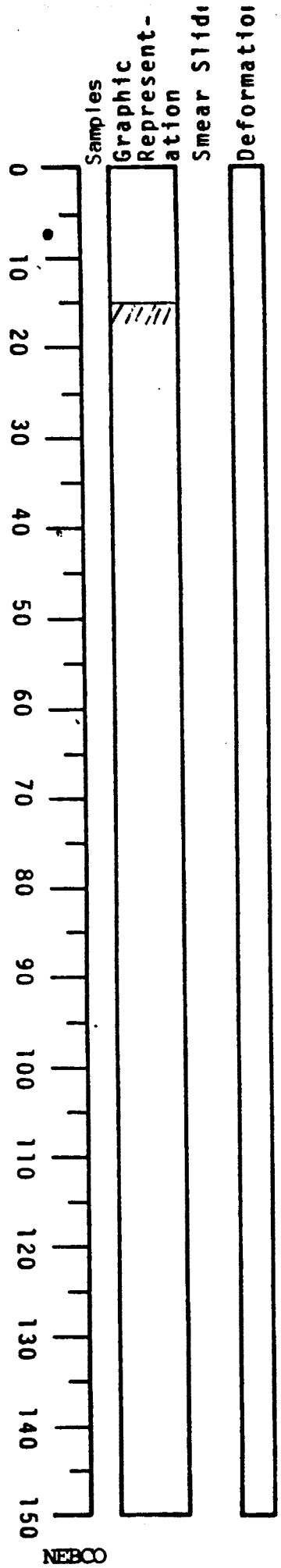
REMARKS:

3 barrel attempt; 15'free fall
Breakaway piston; 1/16" hole-in screw; 1 gasket
No other data recorded at winch control
Mudline at weightstand, but only 2 barrel core
Wire out: 3276 m

VISUAL CORE DESCRIPTION

LOCATOR								SAMPLE NO.					SEC.	
S	1	5	-	7	9	N	C				1	P	G	1

STATION#				OBSERVER
			1	Wilde



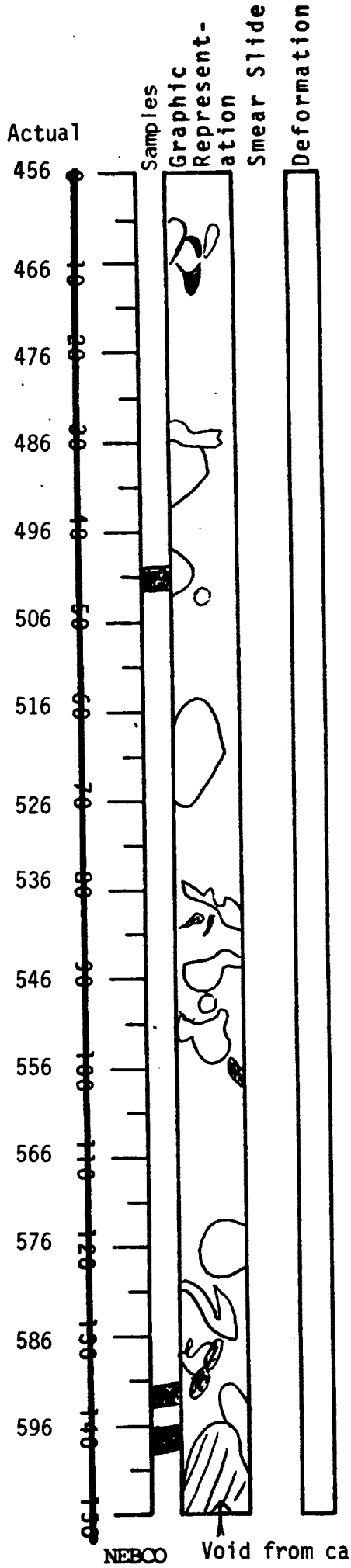
0-2 cm
Ingle
Green mud 5GY5/2

15 cm

VISUAL CORE DESCRIPTION

LOCATOR								SAMPLE NO.					SEC.	
S	1	5	-	7	9	N	c				1	P		1

STATION#				OBSERVER
			1	Wilde



Mottled green mud matrix 5G4/1

Oxidized yellow-brown pebbles at 465,568,540, 547, 555, 585-593 cm, shaded on graph

More olive-brown mottling shown by unshaded drawings

Finer mottlings not shown

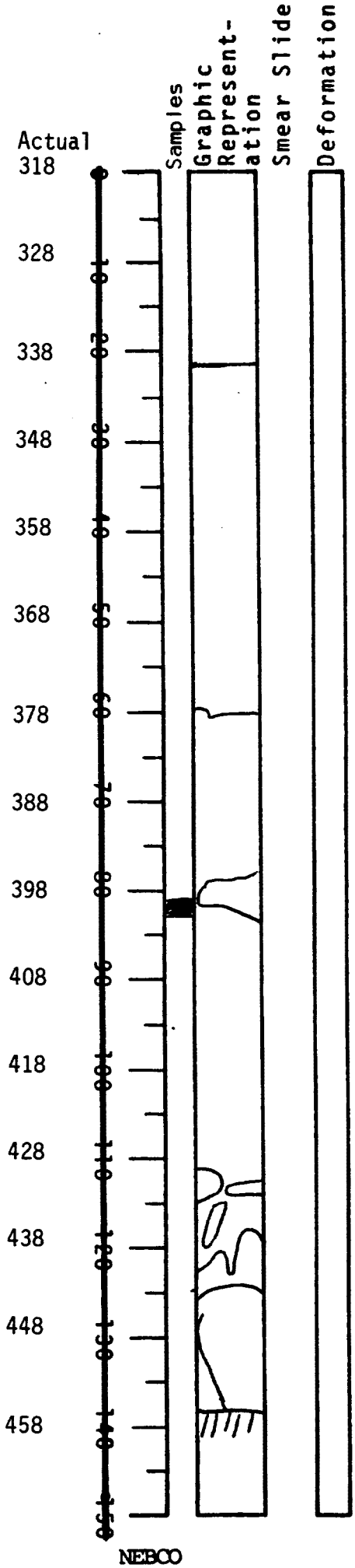
Foram tests increase towards bottom

Void from catcher-see catcher sample

VISUAL CORE DESCRIPTION

LOCATOR								SAMPLE NO.					SEC.	
S	1	5	-	7	9	N	C				1	P		2

STATION#				OBSERVER
			1	Wilde



Homogeneous green mud 318-340 cm
5GY5/2

340-378 cm Mottled green mud. Various green gray colors

378-430 cm More homogeneous, but still mottled

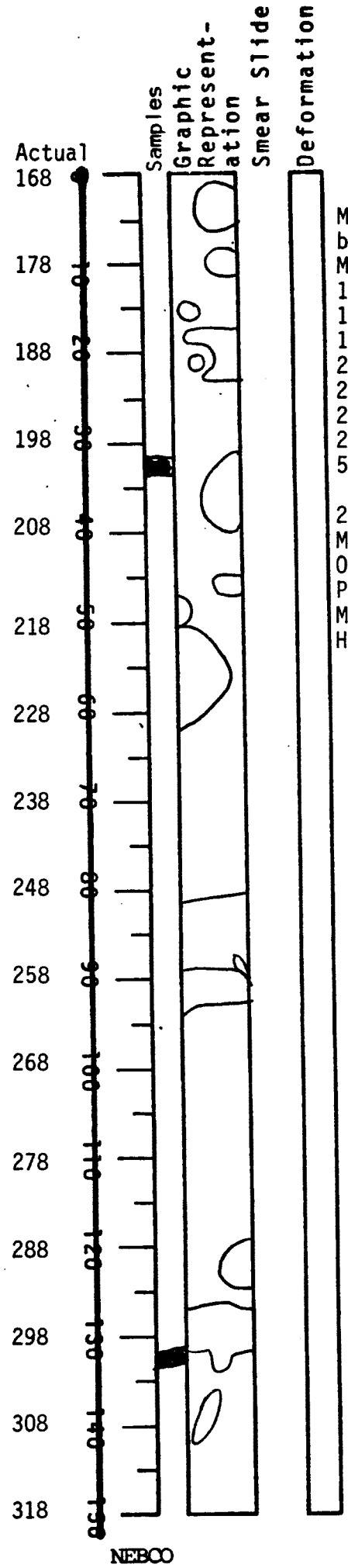
430-456 cm Brownish mottling in green gray matrix

456 cm Bottom

VISUAL CORE DESCRIPTION

LOCATOR								SAMPLE NO.					SEC.
S	1	5	-	7	9	N	C				1	P	3

STATION#				OBSERVER
			1	Wilde



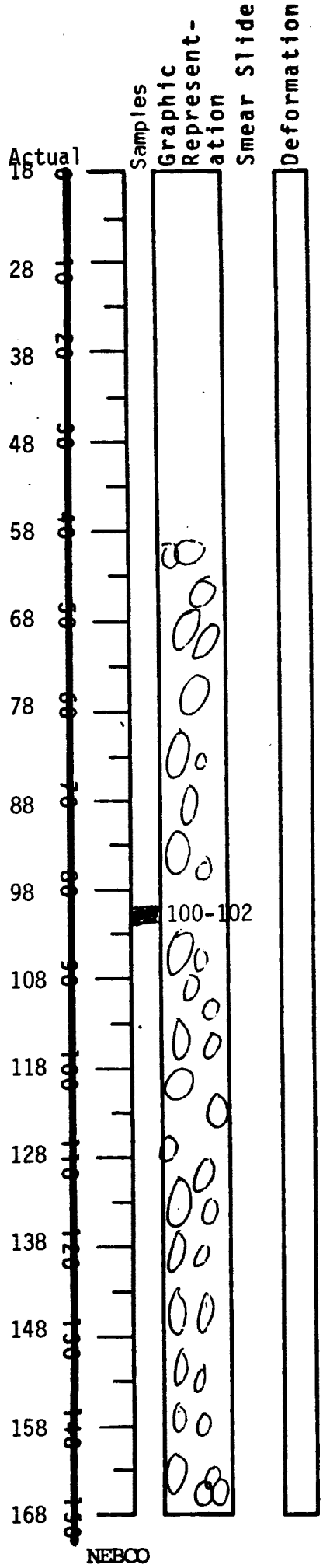
Mottled mud with matrix 5GY5/2 basically
Mud pebbles as shown
173 cm 5GY6/1
178 cm 5YR4/1
188 cm 5Y5/2
225 cm 5GY6/1
225-250 cm 10Y4/2
290 cm 10Y4/2
296-300 cm Mud Layer
5Gy5/2 300-308 cm

225-250 cm Homogeneous
Mud pebbles begin at 250 cm
Oxidized streak 356-260 cm
Pebbles larger and mud matrix more cohesive than section 4
Mud pebble 290 cm
Homogeneous green mud 300-308

VISUAL CORE DESCRIPTION

LOCATOR								SAMPLE NO.					SEC.
S	1	5	-	7	9	N	C				1	P	4

STATION#				OBSERVER
			1	Wilde



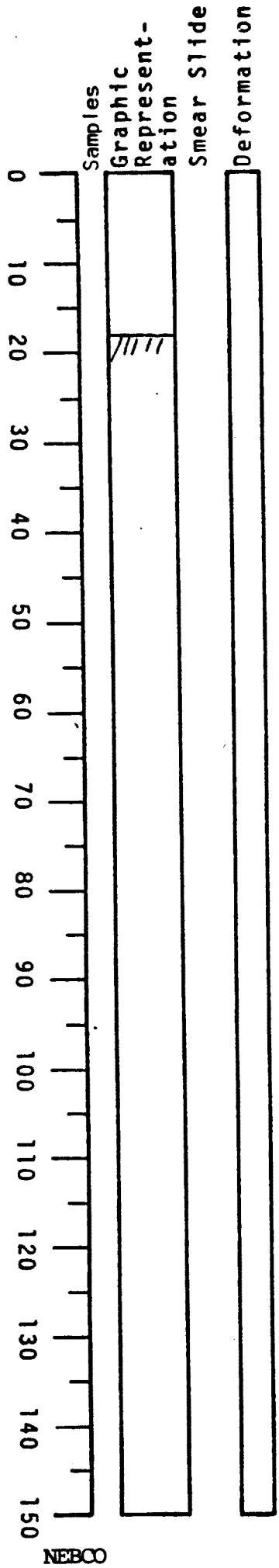
18-58 cm Olive green mud 5GY5/2

58-168 cm Green mud with large mud pebbles darker color than matrix.

VISUAL CORE DESCRIPTION

LOCATOR								SAMPLE NO.					SEC.
S	1	5	-	7	9	N	C				1	P	5

STATION#				OBSERVER
			1	Wilde



0-2 cm Ingle

Not split soupy green mud 5GY5/2

18 cm

USGS STATION LOG

SHIP / LEG S15-79-NC

LATITUDE 35°59.99

LONGITUDE 122°46.01

STATION NO. 2

LINE NO.

DAY/MONTH/YEAR

DATE 27/11/79

TYPE OF STORAGE (check one)

DRY	COLD	FROZEN
	X	

SAMPLE NO. TYPE & ID.	UNCORRECTED DEPTH (M)	CORE LENGTH	BASIC LITHOLOGY	AGE OF BOTTOM
2PG Sec. 1	3508	0-59 cm		
2P Sec. 6	"	0-37 cm		
Sec. 5	"	37-187		
Sec. 4	"	187-337		
Sec. 3	"	337-487		
Sec. 2	"	487-637		
Sec. 1		637-787		

REMARKS:

Sec. 1 2P Cracks in seds seen through core liner bulging and caps-gas? No obvious smell

4 barrel attempt; 15' free fall; 15'trip wire over total barrel length

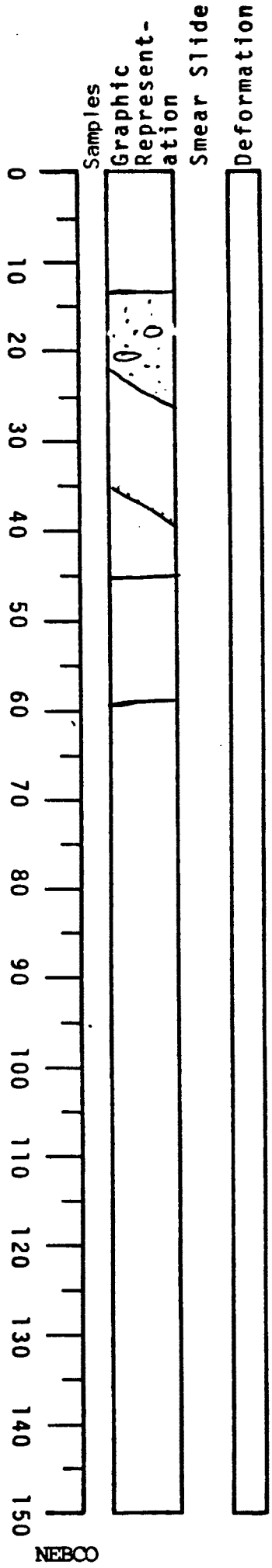
Breakaway piston;1/16" hole in screw; stock pin pullout: 10,000#
Wire out: 3413 m est.3440

Jammed piston in weight stand

VISUAL CORE DESCRIPTION

LOCATOR								SAMPLE NO.				SEC.
S	1	5	-	7	9	N	C			2	P	G		1

STATION#				OBSERVER
			2	Wilde



0-14 cm mud 10Y4/2

14 cm-23/26 cm Dark muddy sand with mud pebbles 10Y4/2

23/26-35/37 cm Mud 5GY5/2

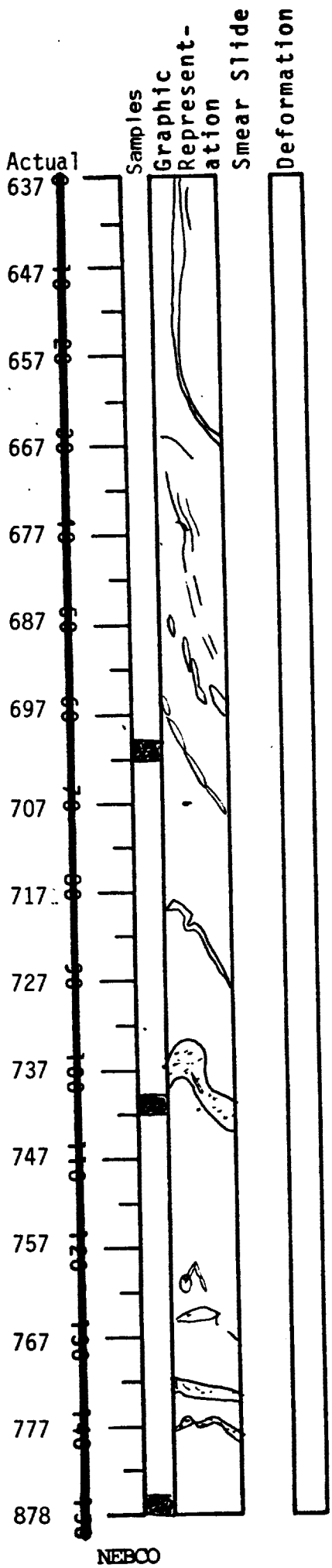
35/37 cm thin sand layer
35/37-59 cm Mud 5G5/2 Oxidized streak @ 45 cm.

59 cm. Bottom

VISUAL CORE DESCRIPTION

LOCATOR								SAMPLE NO.					SEC.	
S	1	5	-	7	9	N	C				2	P		1

STATION#				OBSERVER
		2	P	Wilde



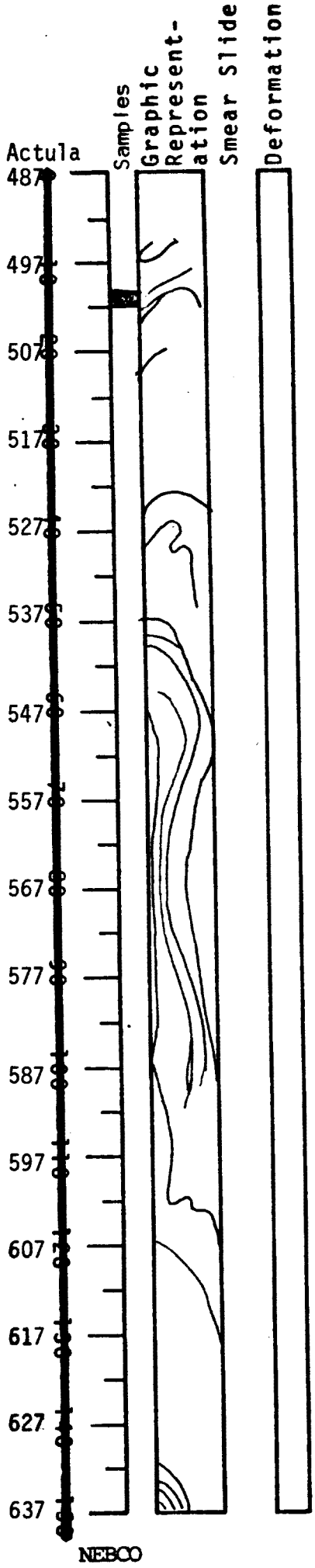
Mottled green mud with vertical to slightly tilted interbedded dark sand layers.

637-667 Start of sand olive mud 5GY3/2 Rest of core primarily green gray 5G4/1 with mottles of olive green sand layers and dark "organic" streaks.

VISUAL CORE DESCRIPTION

LOCATOR								SAMPLE NO.					SEC.	
S	1	5	-	7	9	N	C				2	P		2

STATION#				OBSERVER
		2	P	Wilde



Mottled green mud contorted witch continues dark sand layers as shown. Mostly olive 5GY 3/2 to 524 cm

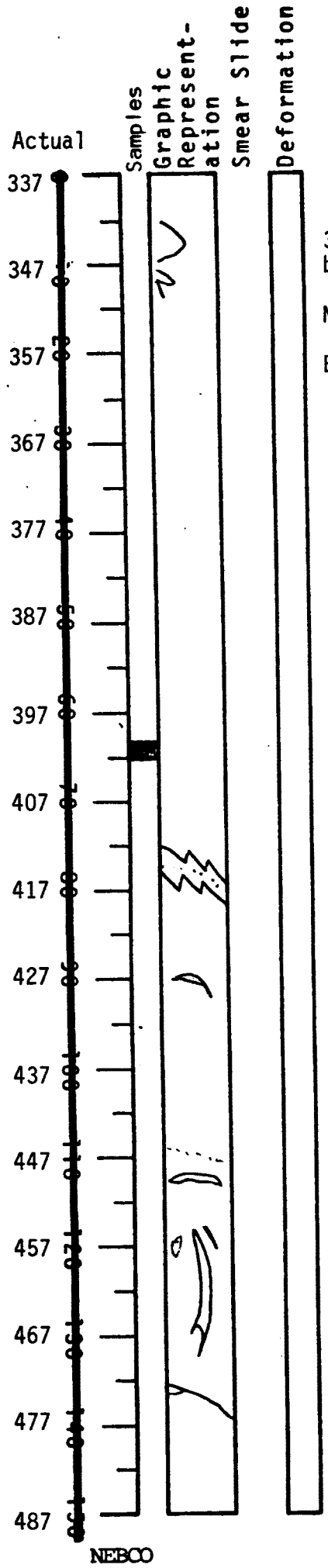
Below 524 cm 5Gy3/2 interlayered vertically with sand layers and gray mud 5GY6/1 to 607/617 cm

607-617-637 mostly olive 5GY3/2 mottled with 5GY6/1

VISUAL CORE DESCRIPTION

LOCATOR								SAMPLE NO.					SEC.	
S	1	5	-	7	9	N	C				2	P		3

STATION#				OBSERVER
		2	P	Wilde



342-346 cn and 348-349 cm Dark sand blebs.

Mottled green mud 337-445 cm 5Gy5/2

Below 445 cm lighter and more contorted

412-417 cm Dark sand layer-Deformed

432 Dark sand streak

445-475/477 Mud color change to 5GY4/1

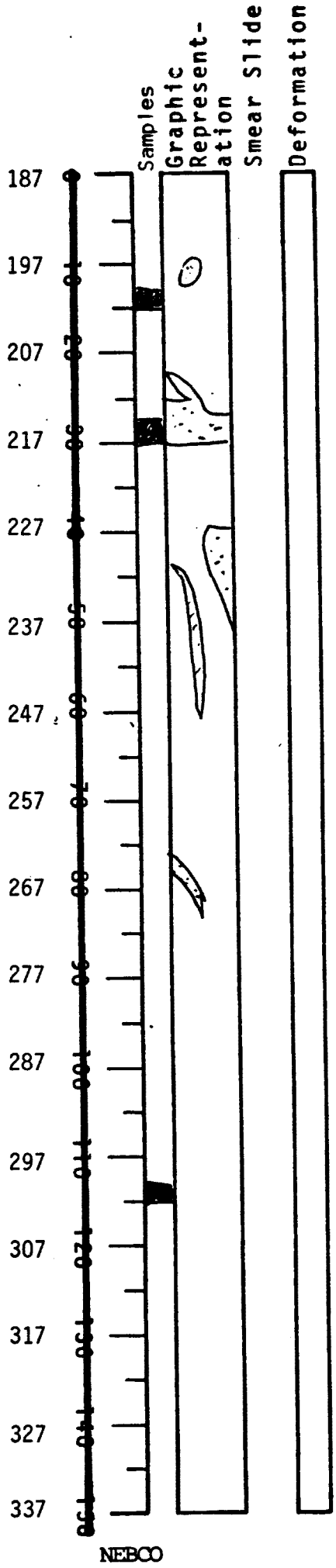
457-469 cm Dark sand vertical streak

474 sand bleb.
475/477-487 mottled green mud 5GY5/2

VISUAL CORE DESCRIPTION

LOCATOR								SAMPLE NO.					SEC.	
S	1	5	-	7	9	N	C				2	P		4

STATION#				OBSERVER
			2	Wilde



187-212 cm Green mud 5GY5/2
198 cm circular sand blades

212-217 cm Dark sand layer

225-230 cm Dark sand blub

232-249 cm Dark sand streak

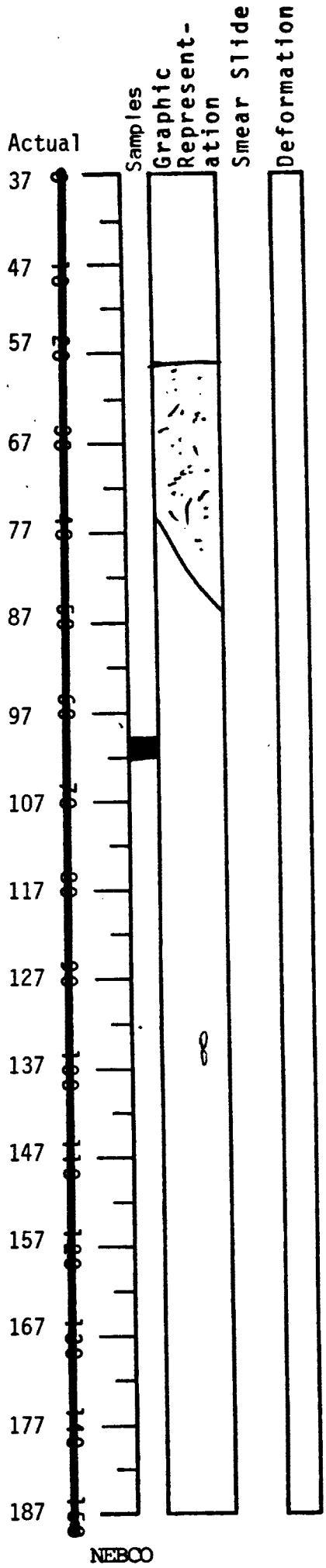
263-269 cm Dark sand streak

Contacted green mud several shades of olive 217-337 cm
5GY5/2 primarily

VISUAL CORE DESCRIPTION

LOCATOR								SAMPLE NO.					SEC.
S	1	5	-	7	9	N	C				2	P	5

STATION#				OBSERVER
			2	Wilde



Upper 20 cm partially lost. Green mud 5GY3/2

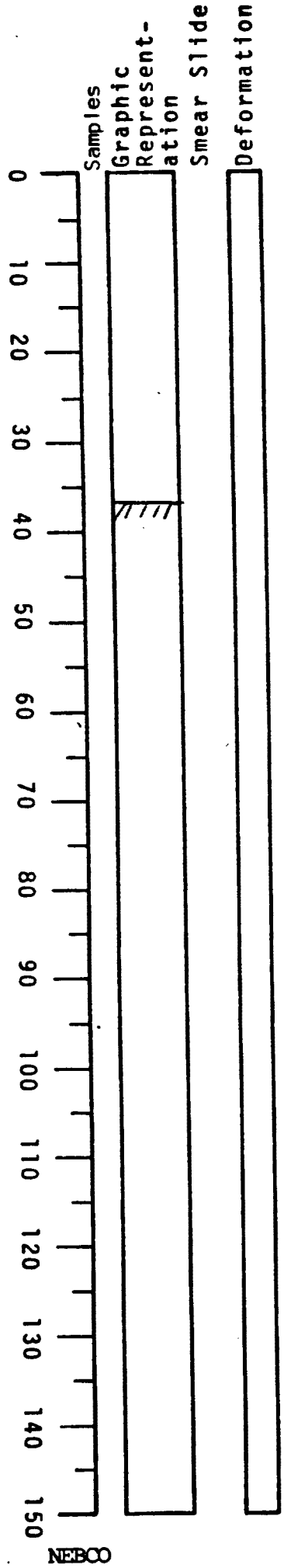
64-74/84 cm Muddy micaceous sand very fluid

74/84-187 cm Green mud fluid at top of interval becoming more cohesive with depth 5GY5/2 becoming slightly bluer with depth. Black organic blebs at 137 cm

VISUAL CORE DESCRIPTION

LOCATOR								SAMPLE NO.					SEC.	
S	1	5	-	7	9	N	C				2	P		6

STATION#				OBSERVER
			2	Wilde



0-37 cm Sticky green mud 5GY3/2 Very fluid

37 cm bottom

USGS STATION LOG

SHIP / LEG: S15-79-NC

LATITUDE: 36°00.53

LONGITUDE: 123°16.63

STATION NO.: 3P

LINE NO.: Montery channel levee

DAY/MONTH/YEAR

DATE: 28/11/79

TYPE OF STORAGE (check one)

DRY	COLD	FROZEN
	X	

SAMPLE NO. TYPE & ID.	UNCORRECTED DEPTH (M)	CORE LENGTH	BASIC LITHOLOGY	AGE OF BOTTOM
3PG	3517	0-31 cm		
3P Sec. 7	"	0-85		
Sec. 6	"	85-235		
Sec. 5	"	235-385		
Sec. 4	"	385-531		
Sec. 3	"	531-681		
Sec. 2	"	681-831		
Sec. 1	"	831-981		

REMARKS: Below 165 cm core material apparently sucked

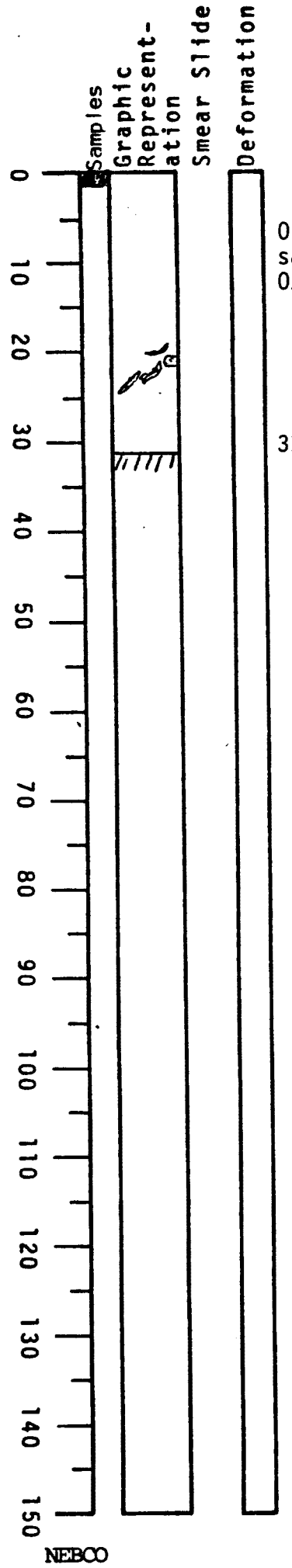
4Barrel attempt; 15'free fall; 15'trip wire over total barrel length
Brekaway piston; 1/16" in hole; 2 gaskest
Wire overrun---no release seen
Wire out: 3436 m; est 3448 m

Piston at top of liner; 8m of sucked mud

VISUAL CORE DESCRIPTION

LOCATOR								SAMPLE NO.					SEC.
S	1	5	-	7	9	N	C			3	P	G	1

STATION#				OBSERVER
			3	Wilde



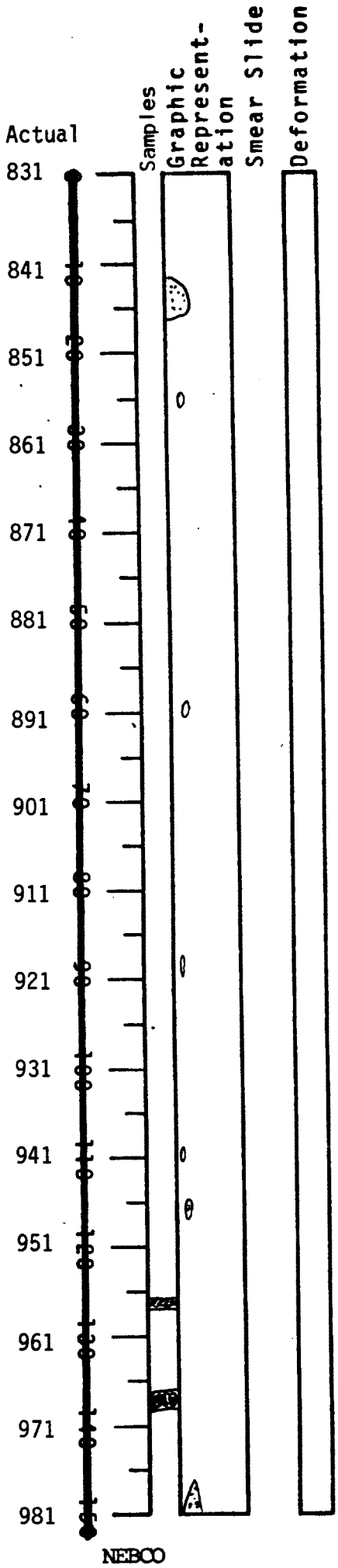
Olive brown green mud 5Y5/2 dark
sand streaks as indicated
Oxidized color

31 cm bottom

VISUAL CORE DESCRIPTION

LOCATOR								SAMPLE NO.					SEC.	
S	1	5	-	7	9	N	C				3	P		1

STATION#				OBSERVER
			3	Wilde



Green mud 5GY5/2 with dark sand blebs. as indicated by dotted illustration.

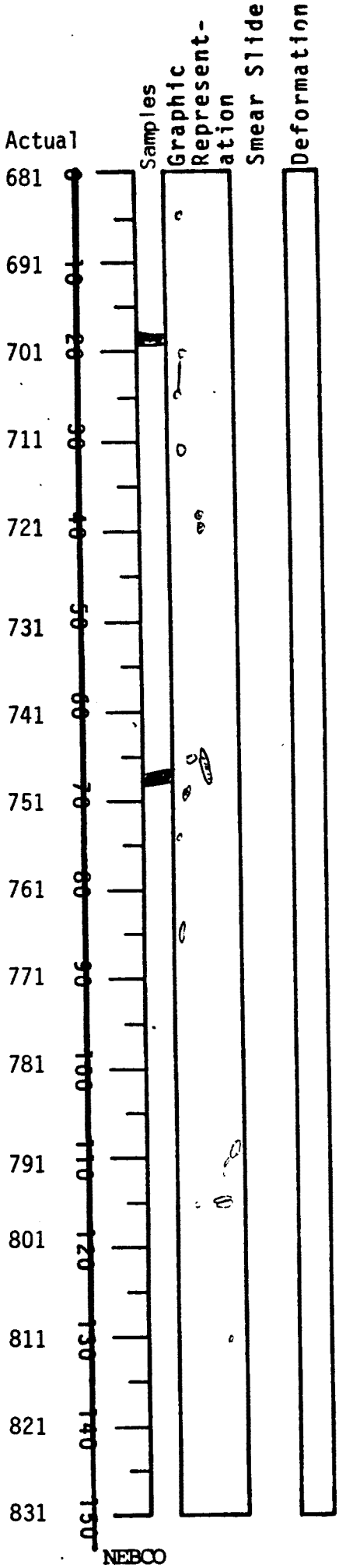
Sand f.-v.f. (5GY4/2)

Whole section pock marked and cracked by gas escape.

VISUAL CORE DESCRIPTION

LOCATOR								SAMPLE NO.					SEC.	
S	1	5	-	7	9	N	C				3	P		2

STATION#				OBSERVER
			3	Wilde



Green mud 5GY5/2 with sand blebs. as indicated by dotted illustration.

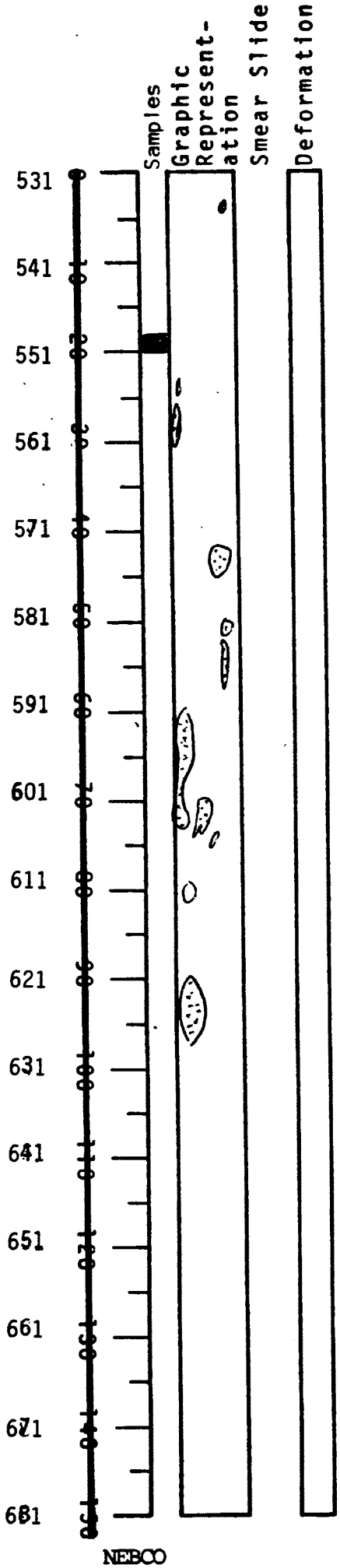
Mud pock marked & cracked by escaping gas

700-710 cm 10 cm taken for kk for gas analysis look at core b see check in section.

VISUAL CORE DESCRIPTION

LOCATOR								SAMPLE NO.					SEC.	
S	1	5	-	7	9	N	C				3	P		3

STATION#				OBSERVER
			3	Wilde



Green mud

Oxidized

Upper part some mud

Close b (darker than)has that yellowish tint.

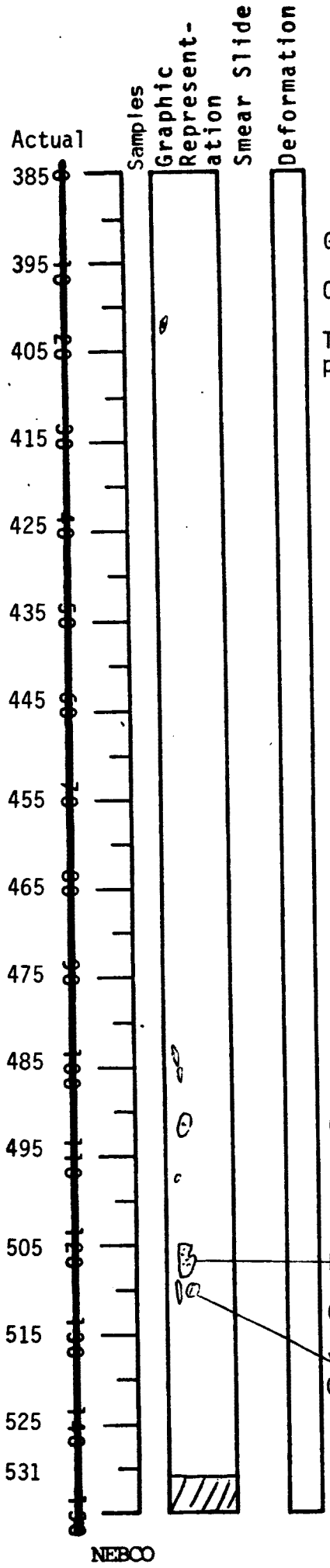
Mud&sands severly cracked & pocked by escaping gas.

All sands v. fine 5GY3/2

VISUAL CORE DESCRIPTION

LOCATOR								SAMPLE NO.					SEC.
S	1	5	-	7	9	N	C				3	P	4

STATION#				OBSERVER
			3	Wilde



Green mud

Oxidized

This section most devestated cracks, fractures, splits, & pocks cursed by excaping gas.

Green matrix

Other sands v.fn.-silt size 5Y3/2

F. gr.

Green matrix

Yellow green blob-other faint streaks of it above?
Oxidized color

VISUAL CORE DESCRIPTION

LOCATOR								SAMPLE NO.					SEC.
S	1	5	-	7	9	N	C				3	P	5

STATION#				OBSERVER
			3	Wilde

Samples | Graphic Represent-ation | Smear Slide | Deformation

Actual

235

245

255

265

275

285

295

305

315

325

335

345

355

365

375

385

Green mud
F.

Pock marks in mud due to gas excape

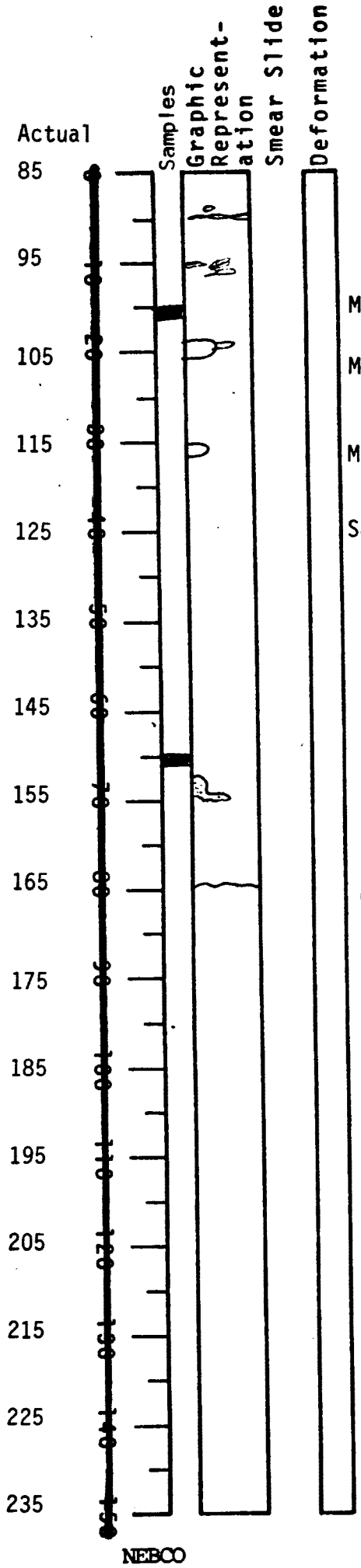
v.f.
114-115 to lee K. for sem.

NEBCO

VISUAL CORE DESCRIPTION

LOCATOR								SAMPLE NO.					SEC.
S	1	5	-	7	9	N	C				3	P	6

STATION#				OBSERVER
			3	Wilde



Mottled green mud 5GY5/2 oxidation with dark sand blebs

Mottle 5Y72 105 cm

Mottle 5Y72 115 cm

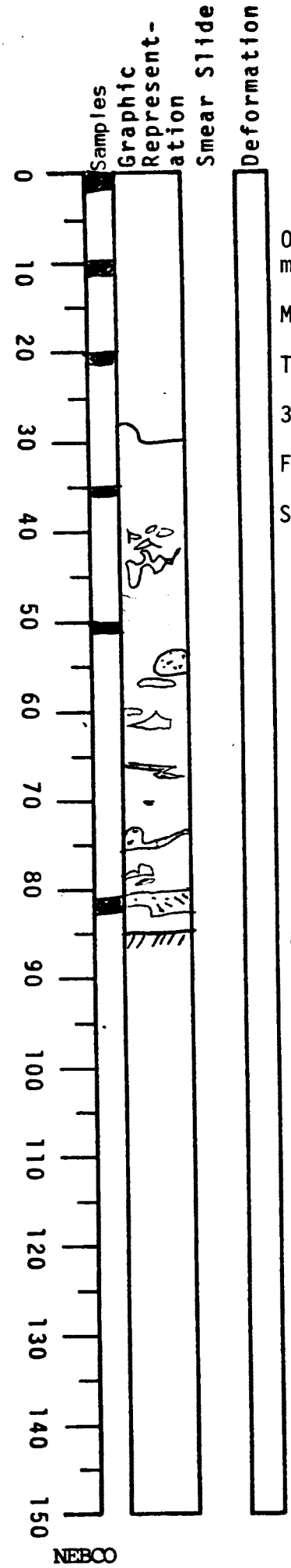
Sands v. fine 5GY3/2

Core sucked below here (cracked, pocked, and disturbed by ga

VISUAL CORE DESCRIPTION

LOCATOR								SAMPLE NO.					SEC.
S	1	5	-	7	9	N	C				3	P	7

STATION#				OBSERVER
			3	Wilde



0-3 cm brown green mud slightly mottled 5Y5/2

Mottles esp. 11-25 cm

Top of core is browner than bottom.

30-85 cm green mud mottled with dark sands as indicated

Faint upward cupped darkening in mud 47-52 cm

Sands fine but-same color as muds at bottom of core.

85 cm Bottom

USGS STATION LOG

SHIP / LEG S15-79-NC

LATITUDE 35°47.85

LONGITUDE 123°00.29

STATION NO. 4P

LINE NO.

DAY/MONTH/YEAR

DATE 29/11/79

TYPE OF STORAGE (check one)

	X	
DRY	COLD	FROZEN

SAMPLE NO. TYPE & ID.	UNCORRECTED DEPTH (M)	CORE LENGTH	BASIC LITHOLOGY	AGE OF BOTTOM
4Pg	3721	0-85 cm		
4P Sec 6	"	0-80		
Sec 5	"	80-230		
Sec 4	"	230-373		
Sec 3	"	373-521		
Sec 2	"	521-669		
Sec 1	"	669-808		

REMARKS:

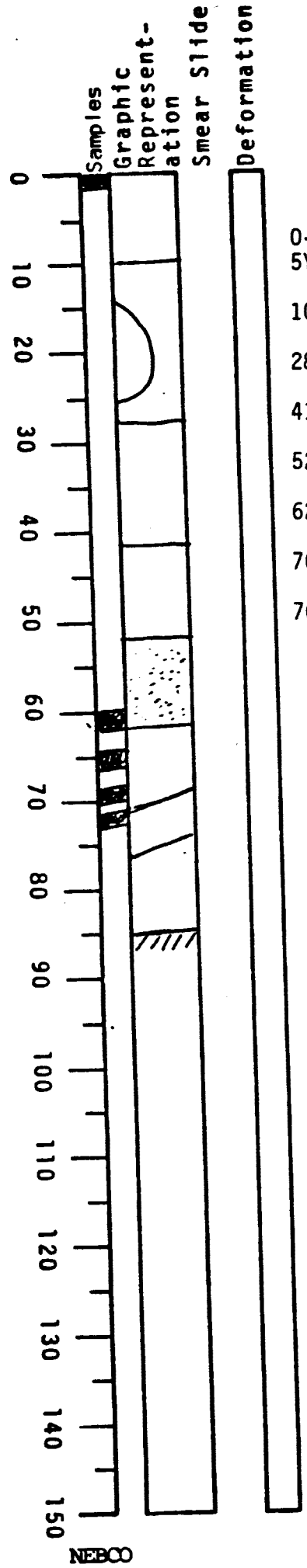
4 barrels; 18' free fall w/15' trip wire over core length
Breakaway piston; used 1/16" hole in orafice screw and 2 gaskets-piston was at top of liner and mudline at weight stand yet barrel had no sediment

Pullout tension: 10,500#
Wire out: 3615 m Est. 3641

VISUAL CORE DESCRIPTION

LOCATOR	SAMPLE NO.	SEC.
S 1 5 - 7 9 N C	4 P G	1

STATION#	OBSERVER
4	Wilde



0-10 cm Oxidized? Layer olive mud 5YO/4

10-28 cm silty mud; mud cast 15-25 cm

28-41 cm green mud 5GY5/2

41-52 cm Oxidized? olive mud 5Yg/4

52-62 cm See sect 4 same sand ??? Dark muddy sand

62-70 cm

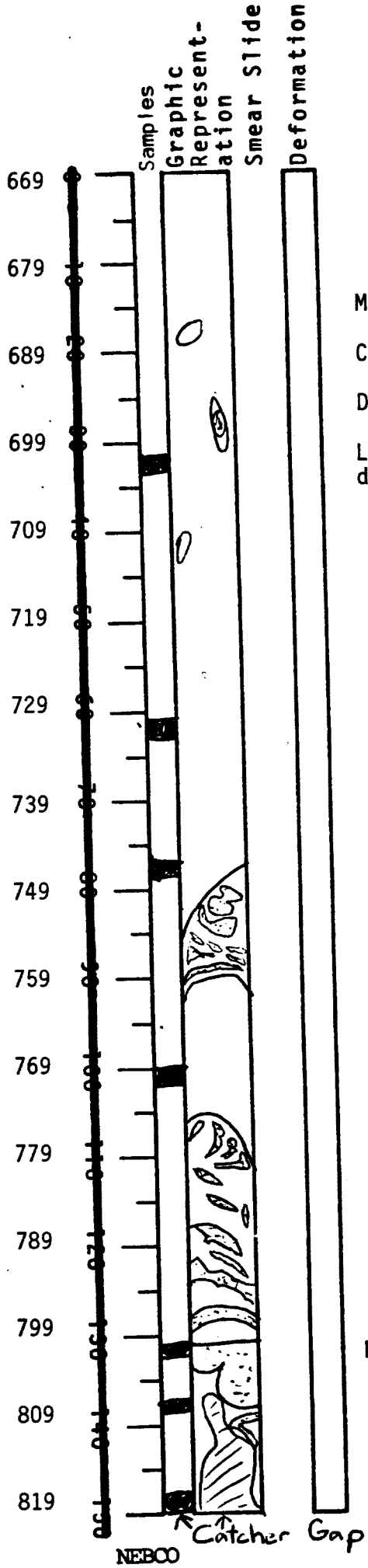
70-76 cm All oxidized? Muds with darker bases

76-85 cm

VISUAL CORE DESCRIPTION

LOCATOR								SAMPLE NO.					SEC.
S	1	5	-	7	9	N	C				4	P	1

STATION#				OBSERVER
			4	Wilde



Muddy silty sand matrix 5GY5/2 with clay-sand clasts

Clay mud clast indicated by open pattern

Dark sand lens/blebs. etc. indicated by dot pattern.

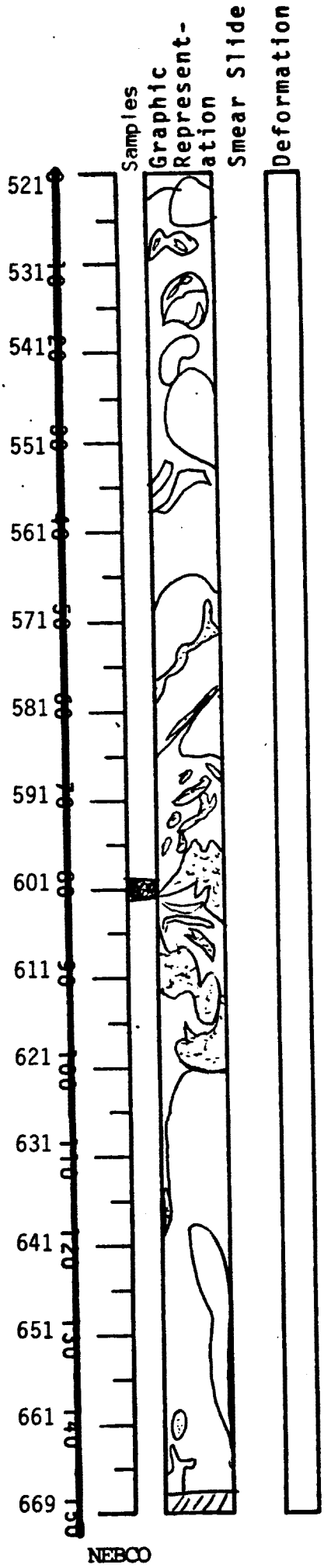
Layered sands usually included in clay clasts with sharp differentiation between mud/clay and sand layers.

Black"organic" layer

VISUAL CORE DESCRIPTION

LOCATOR								SAMPLE NO.					SEC.
S	1	5	-	7	9	N	C				4	P	2

STATION#				OBSERVER
			4	Wilde



Muddy green silt, matrix with mud clasts/balls etc. indicatory open pattern, dark dark samples by dot pattern sands usually included in clasts

Brownish oxidized clasts

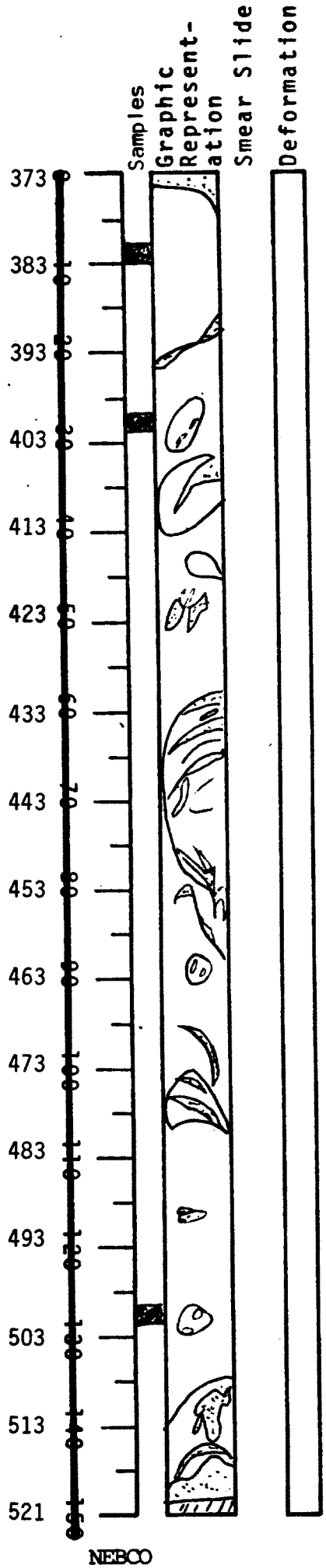
Generally clasts grayer green than matrix with dark clay (Organic?) streaks 5G6/1

Below 600 cm Matrix becoming sandy with flakes

VISUAL CORE DESCRIPTION

LOCATOR								SAMPLE NO.					SEC.
S	1	5	-	7	9	N	C				4	P	3

STATION#				OBSERVER
			4	Wilde



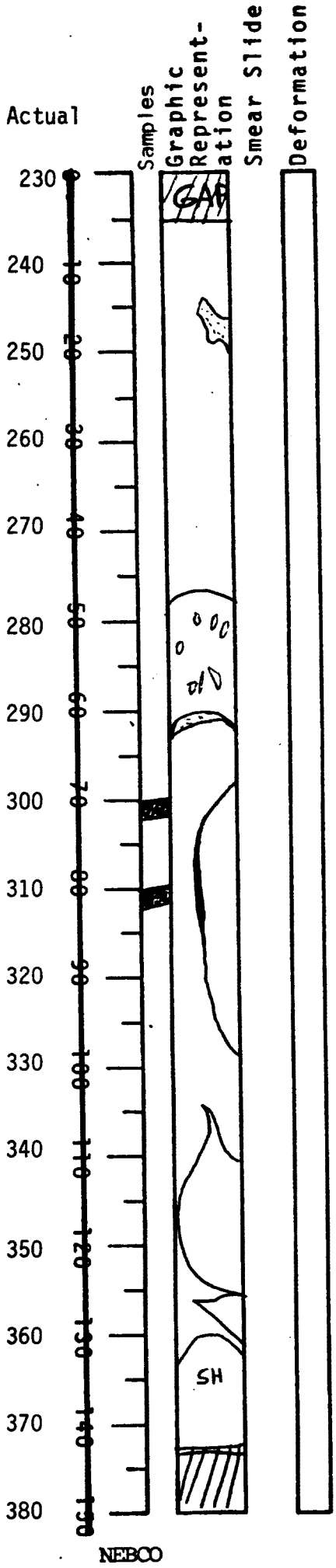
Green muddy silt with mud balls/clasts as indicated by open pattern dark sand blebs/lens etc. in most cases sands included as layer, division within clasts.

Light brown sand rather than dark

VISUAL CORE DESCRIPTION

LOCATOR								SAMPLE NO.					SEC.	
S	1	5	-	7	9	N	C				4	P		4

STATION#				OBSERVER



Green silty mud 5GY5/2

Dark sand layers/blebs/streaks indicated by dot

Mud/clay balls by open pattern

Blue greenish clast

Matrix silter with depth

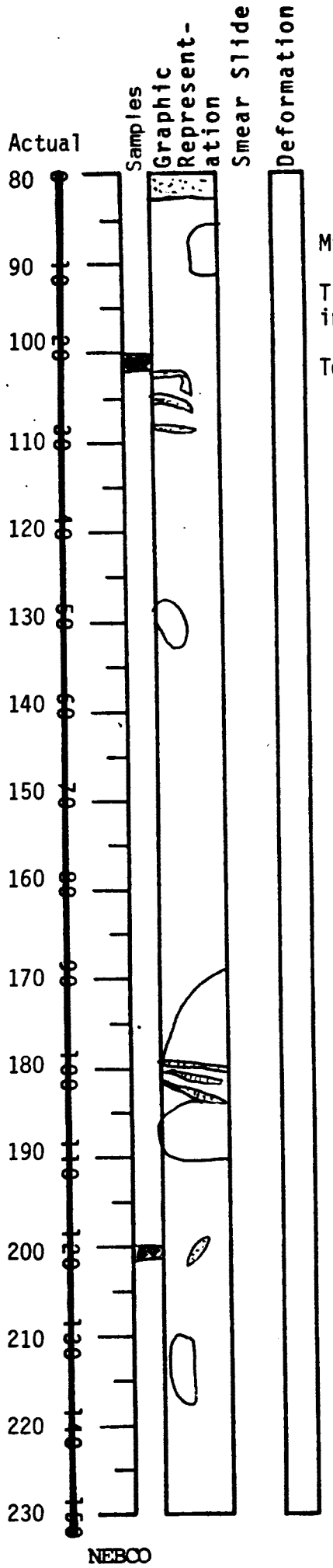
Blue greenish clast with shells

373

VISUAL CORE DESCRIPTION

LOCATOR								SAMPLE NO.					SEC.
S	1	5	-	7	9	N	C				4	P	5

STATION#				OBSERVER
			4	Wilde



Muddy sand upper 20 cm

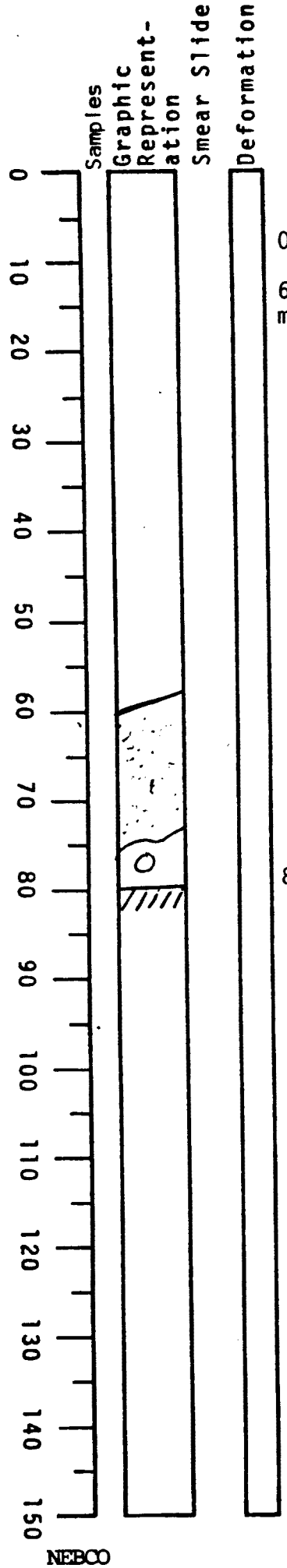
The rest green mud 5Gy5/2 deformed with mud balls/clasts as indicated by open pattern sand lens-blems by dot pattern.

Top of this section piece of kelp? Invile w/sub-samples

VISUAL CORE DESCRIPTION

LOCATOR								SAMPLE NO.					SEC.
S	1	5	-	7	9	N	C				4	P	6

STATION#				OBSERVER
			4	Wilde



Olive green mud fluid 5GY5/2

60-76 cm Dark sand layee with white-mud matric

80 cm bottom

USGS STATION LOG

SHIP / LEG S15-79-NC

LATITUDE 35°44.90

LONGITUDE 123°05.02

STATION NO. 5P

LINE NO.

DAY/MONTH/YEAR

DATE 29/11/79

TYPE OF STORAGE (check one)

DRY	COLD	FROZEN
	X	

SAMPLE NO. TYPE & ID.	UNCORRECTED DEPTH (M)	CORE LENGTH	BASIC LITHOLOGY	AGE OF BOTTOM

REMARKS:

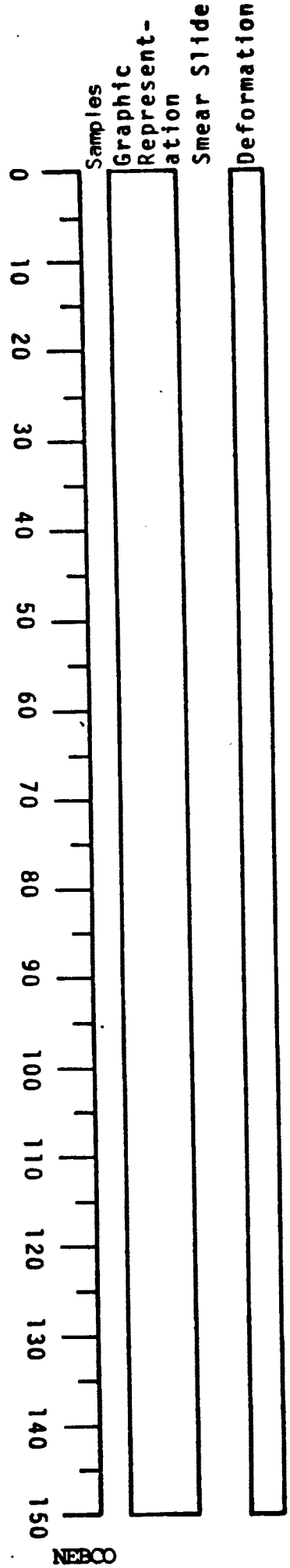
4 Barrel attempt; 18' free fall; 15' trigger line over barrel length
Breakaway piston; no orafice screw 1/8" opening; 2 gaskets
No core; sand and pebble caught in catcher on piston corer (pebble is 2cm long) granitic source and sediments & metamorphic (?) grains

No damage to barrels, few dents in core nose
No pullout tension
No wire out value recorded in winch room

VISUAL CORE DESCRIPTION

LOCATOR								SAMPLE NO.					SEC.	
S	1	5	-	7	9	N	C				5	P		

STATION#				OBSERVER
			5	Wilde



ALL FROM CORE CATCHER IN VIAL IN W/SUB SAMPLES

USGS STATION LOG

SHIP / LEG S15-79-NC

LATITUDE 36°05.45

LONGITUDE 122°56.55

STATION NO. 6P

LINE NO.

DAY/MONTH/YEAR

DATE 30/11/79

TYPE OF STORAGE (check one)

	X	
DRY	COLD	FROZEN

SAMPLE NO. TYPE & ID.	UNCORRECTED DEPTH (M)	CORE LENGTH	BASIC LITHOLOGY	AGE OF BOTTOM
6Pg	3478	0-72 cm		
6P Sec. 5	"	0-38 cm		
Sec. 4	"	38-155		
Sec. 3	"	155-305		
Sec. 2	"	305-455		
Sec. 1	"	455-595		

REMARKS: 3 barrel attempt; 18' free-fall; 15' trip wire below barrel
Breakaway piston used w/2 gaskets (overtightened)
No orifice screw, stock shear pin. Piston badly jammed

Liner shattered in parts of 3 sections; sec. 5 is top part of Sec. 4 and is mumm. Fried in glass tape uncut because breakage is so extensive.

2 jerks on wire out no pull out
Mudline near top of 3rd barrel---core top in lower part of third barrel

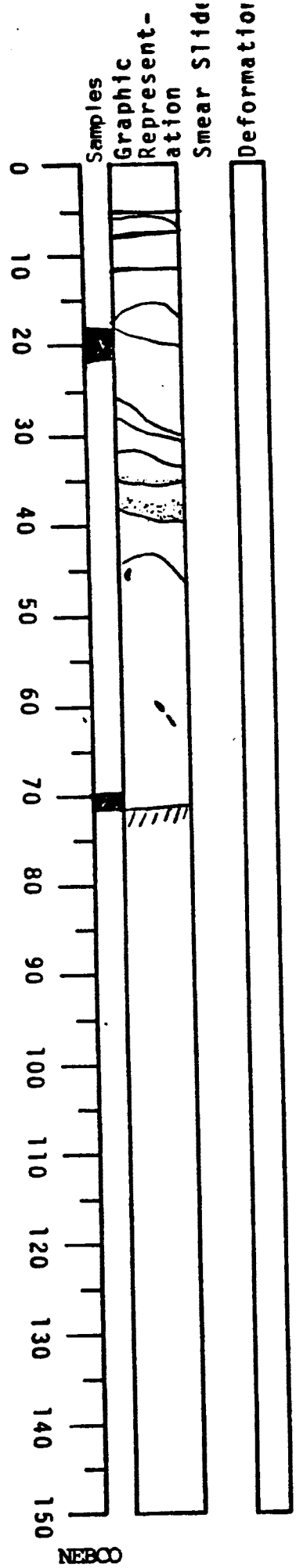
Wire out: 3382 Est: 3411 m

NEBCO

VISUAL CORE DESCRIPTION

LOCATOR								SAMPLE NO.					SEC.
S	1	5	-	7	9	N	C			6	P	G	1

STATION#				OBSERVER
			6	Wilde



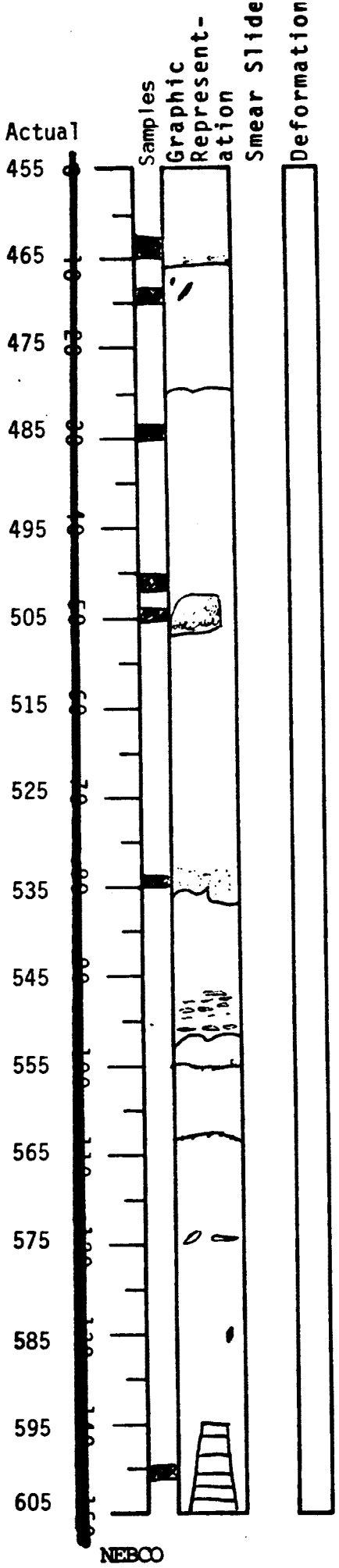
0-5, 5-6/8, 6/8-8, 8-11, 11-17, 17-19, 19-26/28, 26/28-29/3
29/30-32/33, 32/33-35, 35-38/40, 38/40-72 cm.: A series of cyclic layers as indicated with light green mud at top 5GY5/2. Graduating to darker mud at base 5GY3/2 or dark sands as indicated by dot pattern.

72 cm Bottom

VISUAL CORE DESCRIPTION

LOCATOR								SAMPLE NO.					SEC.
S	1	5	-	7	9	N	C				6	P	1

STATION#				OBSERVER
			6	Wilde



455-466 cm Mottled olive mud 5GY5/2 grading to sand at base

466-480 Green mud 5GY5/2

480-536 cm Green mud 5GY5/2 slightly lighter than section above Mud grades into dark sand layer at base

Black organic bleb, solid pattern

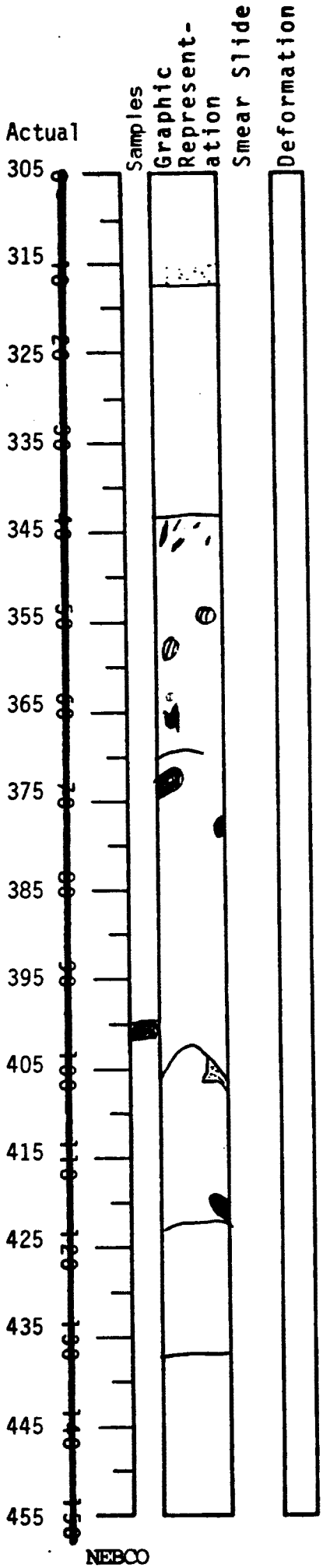
Dark sand layer
536-553 cm Green mud intermediate color between 5GY5/2 & 5GY3/2 with layered dark sand blebs. at base.

553-605 cm Dark sand layer green mud; thin dark sand laye
Green mud slightly mottled 5GY5/2

VISUAL CORE DESCRIPTION

LOCATOR								SAMPLE NO.					SEC.
S	1	5	-	7	9	N	C				6	P	2

STATION#				OBSERVER
			6	Wilde



305-312 cm Olive mud 5Gy3/2 grading to dark sand at base.

312-343 cm Green mud changing color from light green 5GY5/2 to 5GY3/2 about 10 cm from top.

343-406 cm Green mud 5GY3/2 with black organic matter at top. Solid and pattern

Open "worm" tubes ⊘ pattern

Black "organic" bleb.

Black "organic" bleb.

Slightly darker green at base

Dark sand layer 406-422 cm Green mud light to darker gree at base

Black "organic" bleb 422-438 cm green mud light at top. "organic" smear near streak

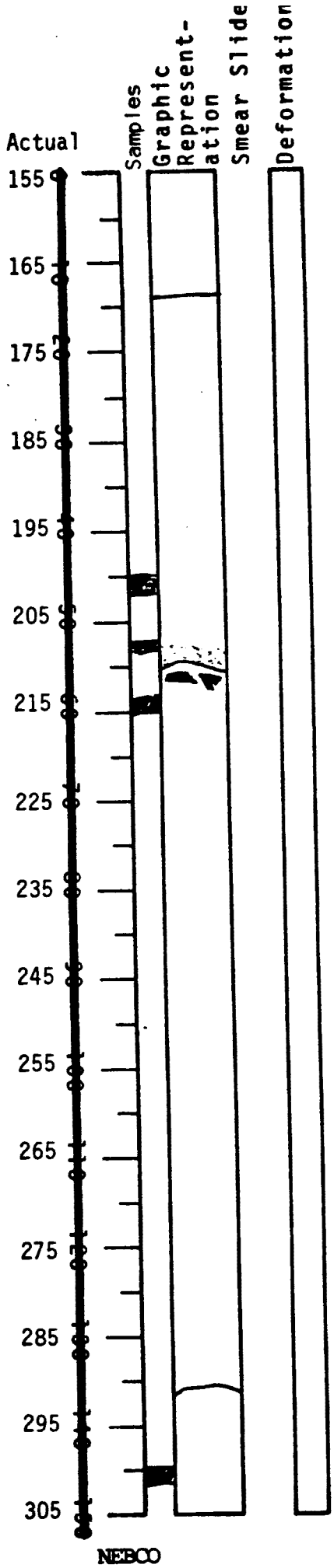
Black streak

Darker green base

VISUAL CORE DESCRIPTION

LOCATOR								SAMPLE NO.					SEC.	
S	1	5	-	7	9	N	C				6	P		3

STATION#				OBSERVER
			6	Wilde



155-169 cm Green mud 5GY3/2 grading to silty mud at base
169-210 cm Green mud 5GY5/2 grading to dark sand at lower cm.

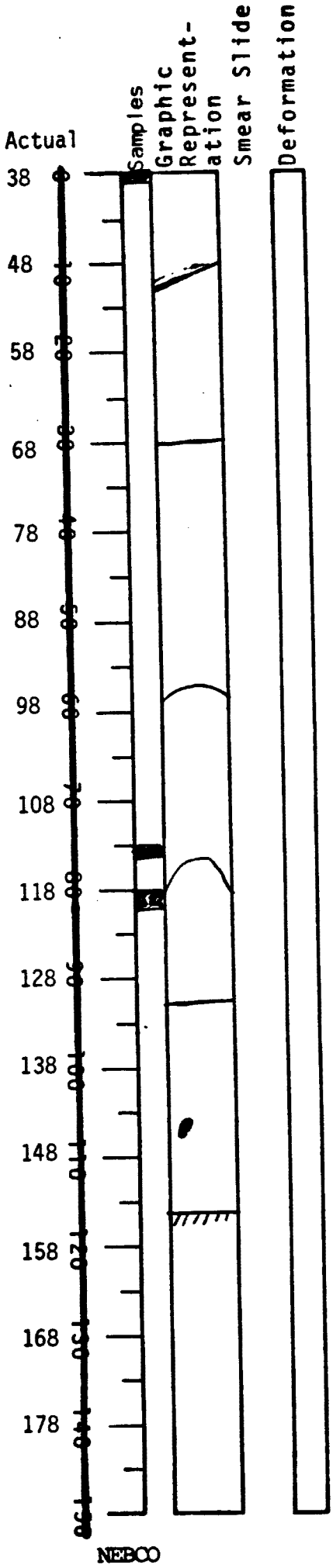
210-292 cm Green mud 5GY5/2 grading to lower 20 cm darker green 5GY3/2 "Organic" smears at top.

292-305 cm Green mud 5GY5/2

VISUAL CORE DESCRIPTION

LOCATOR								SAMPLE NO.					SEC.	
S	1	5	-	7	9	N	C				6	P		4

STATION#				OBSERVER
			6	Wilde



38-48/51 cm Green mud 5GY3/2 grading to dark sand

48/51-68 cm Green mud light 5GY5/2 grading to 5GY3/2 at base

68-58 cm Olive green mud 5GY5/2

58-116/118 cm Dark sand with green mud layers and matrix.

116-118-131 Dark green "organic" mud. 5GY3/2

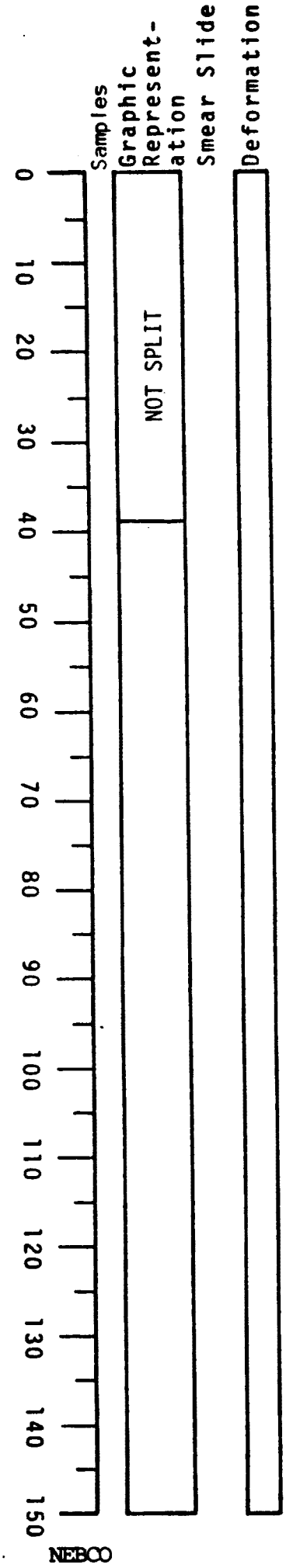
131-155 cm Green mud 5GY5/2

155 cm Bottom

VISUAL CORE DESCRIPTION

LOCATOR								SAMPLE NO.					SEC.
S	1	5	-	7	9	N	C				6	P	5

STATION#				OBSERVER
			6	Wilde



0-38 cm Core liner shattered. Bound in glass tape but no split.

In reefer jar-engle sample just above sect. 5

38 cm Bottom

USGS STATION LOG

SHIP / LEG S15-79-NC

LATITUDE 35°10.51

LONGITUDE 124°38.96

STATION NO. 7P

LINE NO.

DAY/MONTH/YEAR

DATE 1/12/79

TYPE OF STORAGE (check one)

	X	
DRY	COLD	FROZEN

SAMPLE NO. TYPE & ID.	UNCORRECTED DEPTH (M)	CORE LENGTH	BASIC LITHOLOGY	AGE OF BOTTOM
7P Sec. 8	4386	0-57 cm		
Sec. 7		57-207		
Sec. 6	"	207-357		
Sec.5	"	357-507		
Sec. 4	"	507-652		
Sec. 3	"	652-802		
Sec. 2	"	802-952		
Sec. 1	"	952-1102		

REMARKS:

No PG core. It must have bounced on surface sand or indurated layer 25 cm down in Sec. 8 of 7P

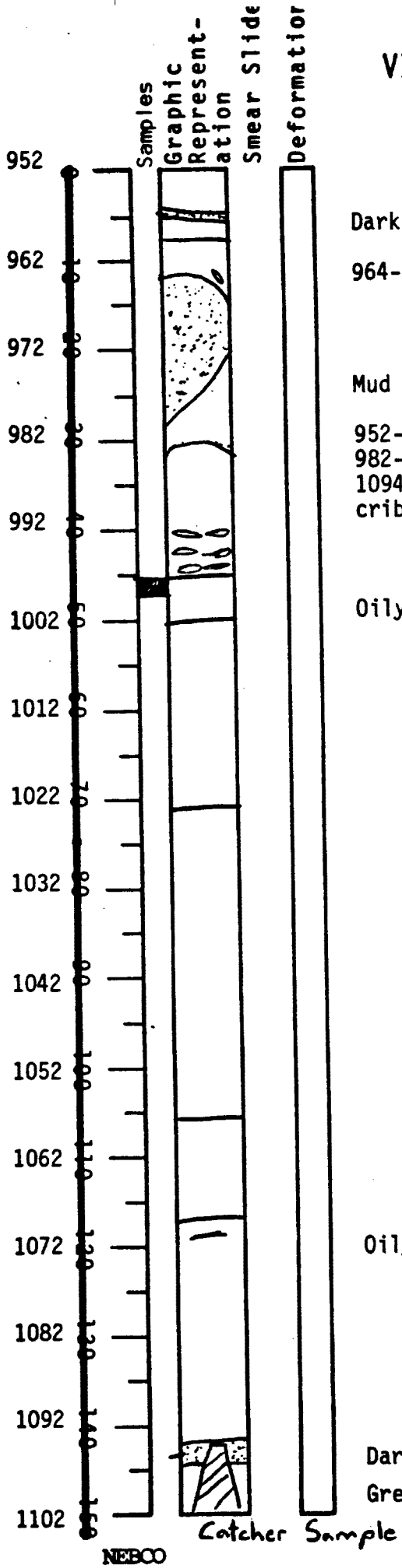
Sediment: no orafice screw in piston; std. shear pin.
Mudline core top, ie. near middle of top barrel
This drop used different weight stand to avoid piston jamming in center pipe on stand.

NEBCO

VISUAL CORE DESCRIPTION

LOCATOR								SAMPLE NO.					SEC.
S	1	5	-	7	9	N	C				7	P	1

STATION#				OBSERVER
			7	Wilde



Dark sands at base

964-980 cm Dark sands

Mud with mica/silts at base

952-957, 957-960, 960-966, 966-972/980, 972/980-982, 982-1002, 1002-1024, 1024-1059, 1059-1070, 1070-1094, 1094-1095, 1095-1102cm.: Transition colored muds as described in section 7.

Oily streak, mottled base above gray green layer.

Oily streak

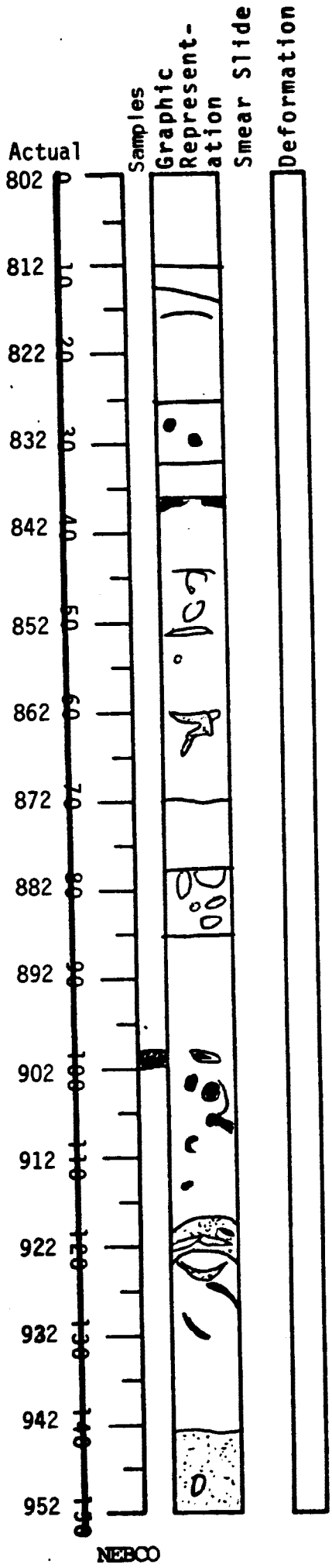
Dark sands

Green mud

VISUAL CORE DESCRIPTION

LOCATOR								SAMPLE NO.					SEC.
S	1	5	-	7	9	N	C				7	P	2

STATION#				OBSERVER
			7	Wilde



Dark Streak

802-812, 812-813/814, 813/814 cm, 828-835, 835-839, 839-874 874-877, 877-887, 887-926, 926-943, 943-952 cm.: transition colored muds as described in section 7 however colors are n as distinct.

Dark oily streak

Sand and olive mud mottled burrow fillings

Burrowed sand layer

Dark oily streaks

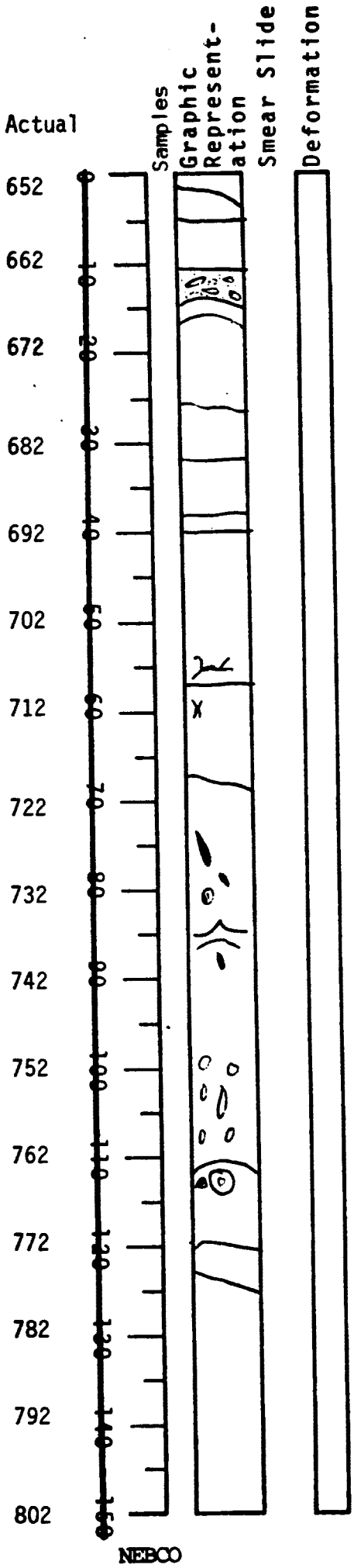
Dark sand layer at base

Dark sand layer with mud blebs

VISUAL CORE DESCRIPTION

LOCATOR								SAMPLE NO.					SEC.
S	1	5	-	7	9	N	C				7	P	3

STATION#				OBSERVER
			7	Wilde



662-667 cm Mottled dark sand with mud burrows.

652-653/655, 653/655-657, 657-669, 669-678/679, 678/679-684, 684-690, 690-692, 692-709, 709-720/722, 720/722-772, 772-774/777, 774/777cm.: Transitional colored muds as described in section 7.

Black oily streaks

Black oily mud filled burrows.

Mottled with darker muds in burrows

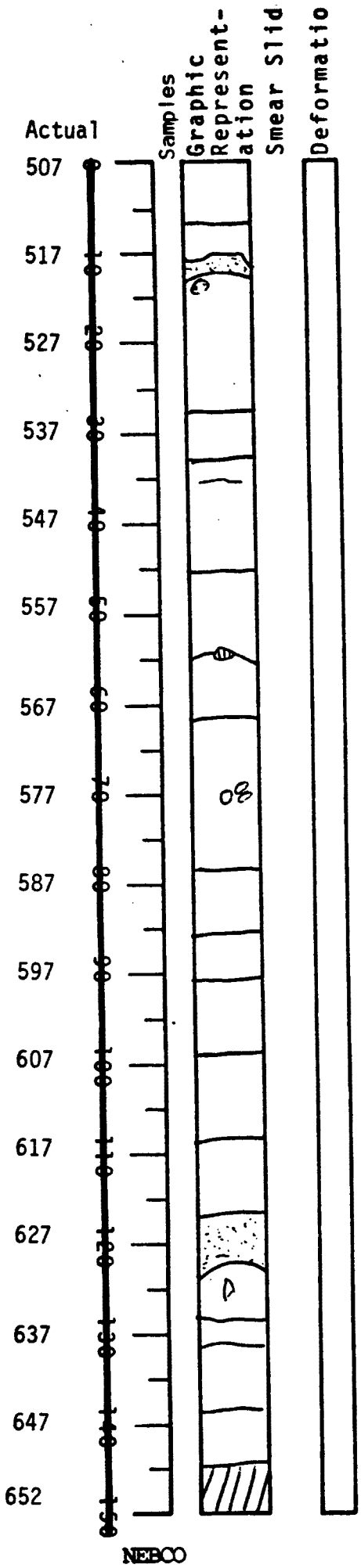
Mottled ring

Dark sands with mud layers

VISUAL CORE DESCRIPTION

LOCATOR								SAMPLE NO.					SEC.
S	1	5	-	7	9	N	C				7	P	4

STATION#				OBSERVER
			7	Wilde



507-514, 514-534, 534-540, 540-553
553-562, 562-569, 569-585,585-592
592-297, 597-606, 606-615, 615-624, 624-631, 631-636, 636-639, 639-645-645-652 cm.: Transitional colored muds as described in section 7.

510-512 cm Dark sand layer

542 cm Glack streak

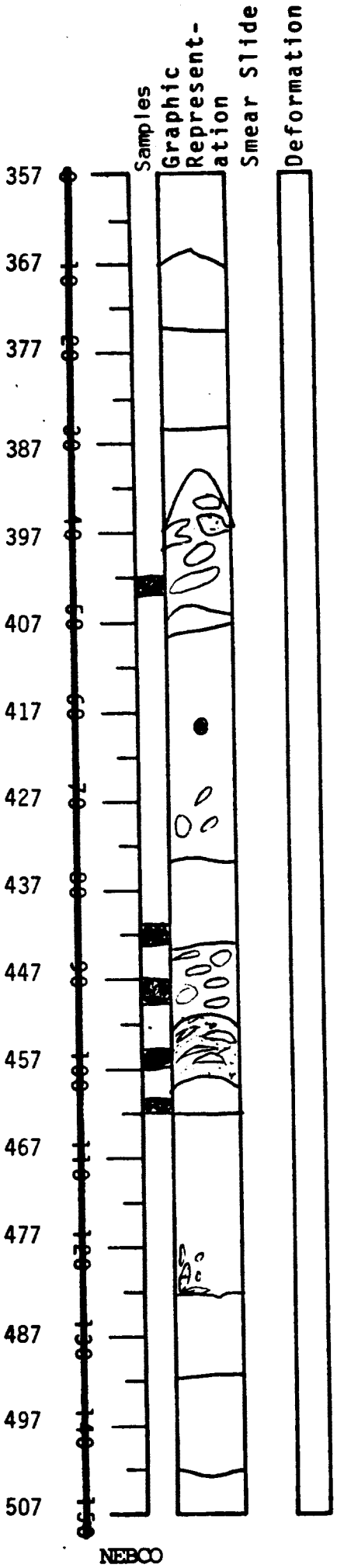
Filled burrows

Hard "tooth" like object.

VISUAL CORE DESCRIPTION

LOCATOR								SAMPLE NO.					SEC.
S	1	5	-	7	9	N	C				7	P	5

STATION#				OBSERVER
			7	Wilde



357-367, 367-375, 375-386, 386-392/347, 407/408-434, 434-441, 441-451/452 or 461, 461-482, 482-492, 492-502, 502-507 cm.:Transitional colored muds as described in sect. 7

392/397-407/408 cm Sand layers as indicated. Filled burr
with light mud. Black organic smear @ 406 cm.

419 cm Black filled burrow

Mottles near base

Oily black smear
Open burrow

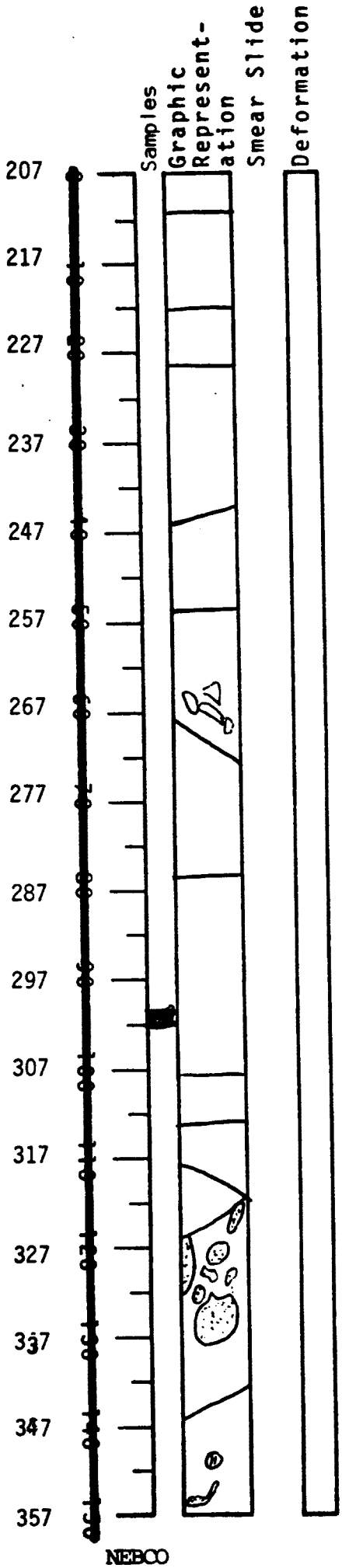
441-451/452 cm or 461 cm Mottled olive mud

Base gray green layer mottled with lighter mud, sand and open borings.

VISUAL CORE DESCRIPTION

LOCATOR								SAMPLE NO.					SEC.
S	1	5	-	7	9	N	C				7	P	6

STATION#				OBSERVER
			7	Wilde



207-211 cm Base of layer above
211-222/223

222/223-228, 228-224/226, 244/246-255, 255-268/271, 268/271-285, 285-309, 309-313, 313-319/321, 319/321-321/32(321/326-244/346, 344/346-357,: Transitional colored muds a: described in sect. 7.

319/321-321/326 No gray green base

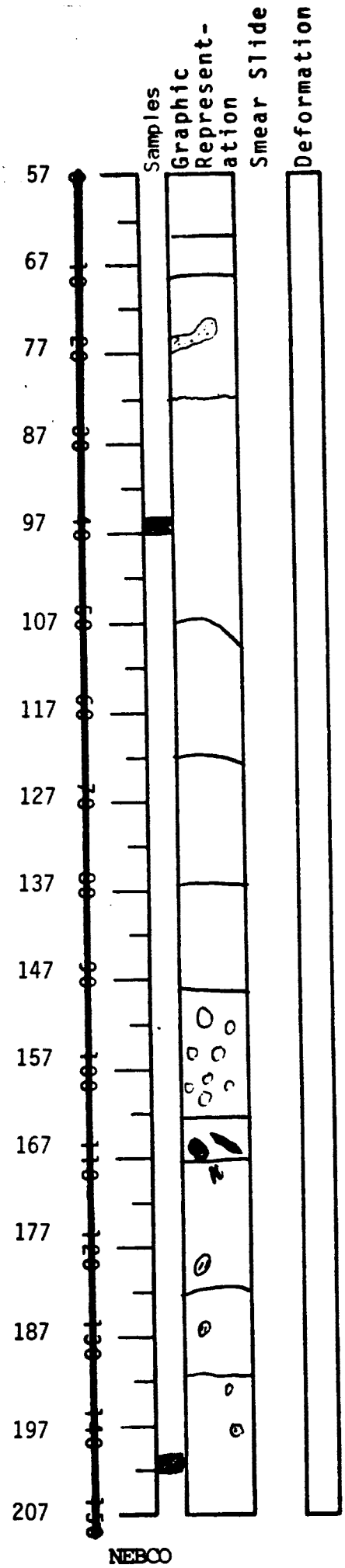
321/326-344/346 As above with sands as indicated

Open burrow

VISUAL CORE DESCRIPTION

LOCATOR	SAMPLE NO.	SEC.
S 1 5 - 7 9 N C	7 P	7

STATION#	OBSERVER
7	Wilde



57-64 cm Green mud 5GY5/2
64-68 cm Green mud slightly grayer than above
68-82 cm Green mud 5GY5/2 to 5G5/2 at base mica-silt bleb as shown

82-112/113 cm Basic olive green mud 10Y6/2 matrix with mottling of light olive 10Y5/4 at top to greenish 5Y5/2, Base dark mud

112/113-122 cm, 112-136, 136-148, 148-162, 162-167, 167-18. 182-191, 191-207 cm,: Transitional color. Essentially rhymatic beds of mottled olive green mud at top changing at base. Base of each gray green layer noted by depth.

148-162 cm Worm bored mottled olive mud brown filling ligh colored

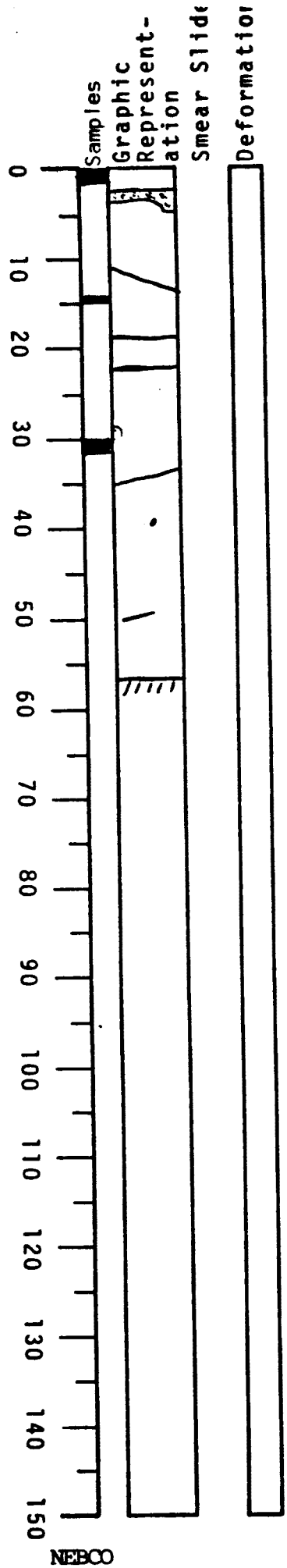
162-167 cm Black oily mud as indicated

167-182 Open worm tubes as indicated

VISUAL CORE DESCRIPTION

LOCATOR								SAMPLE NO.					SEC.
S	1	5	-	7	9	N	C				7	P	8

STATION#				OBSERVER
			7	Wilde



0-2 cm Light brown interlayered with chocolate brown mud

2-3/4 cm Dark sand layer

3/4-11/12 cm Green mud grading into sand above??

11/12-18 cm Yellow brown mud mottled with black oily mud.

18-22 cm Green mud 10Y6/2 with yellow brown mottles

22-33/35 cm Green mud may be continuous with above but separated by yellow brown mud at top sand blebs @ 30 cm

33/35-57 cm-Green mud 5GY5/2 Occassional black oily strea as indicated-color less yell than muds above.

57 cm Bottom

USGS STATION LOG

SHIP / LEG S15-79-NC

LATITUDE 35°08.65

LONGITUDE 124°42.37

STATION NO. 8P

LINE NO.

DAY/MONTH/YEAR

DATE 1/12/79

TYPE OF STORAGE (check one)

	X	
DRY	COLD	FROZEN

SAMPLE NO. TYPE & ID.	UNCORRECTED DEPTH (M)	CORE LENGTH	BASIC LITHOLOGY	AGE OF BOTTOM
8P Sec. 8	4382	0-103 cm		
Sec. 7	"	103-253		
Sec. 6	"	253-403		
Sec. 5	"	403-553		
Sec. 4	"	553-694		
Sec. 3	"	694-844		
Sec. 2	"	844-994		
Sec. 1	"	994-1144		

REMARKS: No PG- Same problem as 7PG

Same rigging as for 7P
This time piston was 1ft above sediment surface; no orifice screw on this drop.

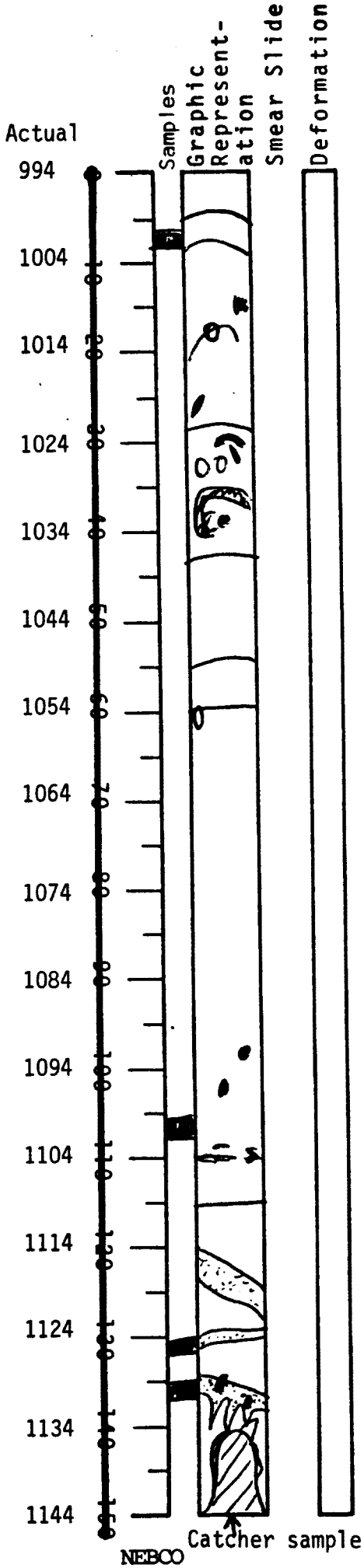
Core top and mudline matched
Wire out: 4267 m Est. depth: 4257
Pull out 11,000

NEBCO

VISUAL CORE DESCRIPTION

LOCATOR								SAMPLE NO.					SEC.	
S	1	5	-	7	9	N	C				8	P		1

STATION#				OBSERVER
			8	Wilde



994-999, 999-1003, 1003-1022, 1022-1037, 1037-1049cm, 1049-1054, 1054-1109 cm.: Cylic muds as described in Sec. 2 etc.

Sands 10Y4/2-5GY3/2 sands have larger mica

1109-1114/1118 cm Green muds between sands

1114/1118-1115/1119cm-Dark sands

1122/1125-1123/1124 cm Dark sands

1127/1133 cm Sands as figured

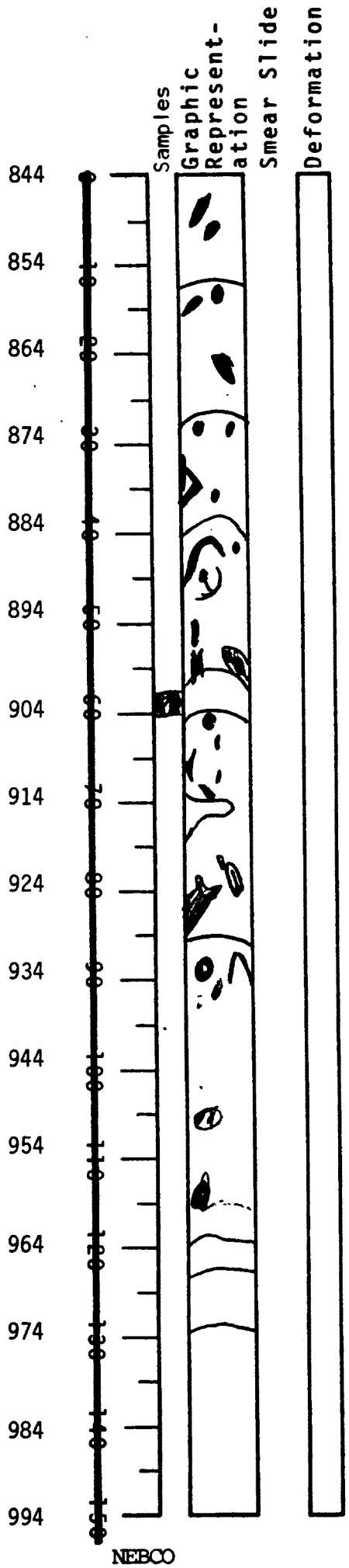
1129-1131 cm Wood fragments!!!

Sand in catcher. 4 catcher splits in vials in w/sub-sampl

VISUAL CORE DESCRIPTION

LOCATOR								SAMPLE NO.					SEC.
S	1	5	-	7	9	N	C				8	p	2

STATION#				OBSERVER
			8	Wilde



844-856, 856-872, 872-884, 844-900
900-904,904-929, 929-963, 963-967,
967-973, 973-994 cm.: Cyclic muds gray green at top to green 5GY5/2. Base usually fissile.

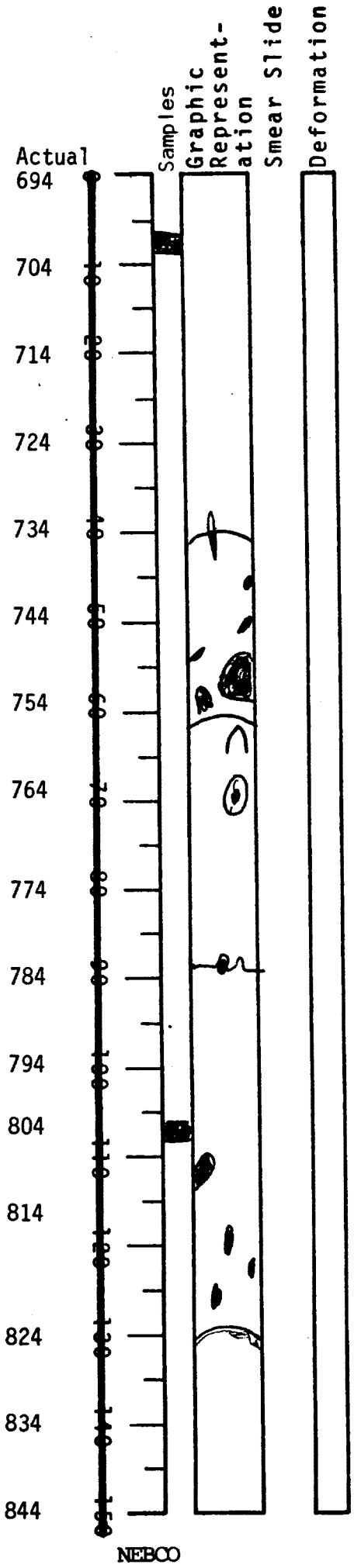
Many black mottles

No base

VISUAL CORE DESCRIPTION

LOCATOR								SAMPLE NO.					SEC.
S	1	5	-	7	9	N	C				8	P	3

STATION#				OBSERVER
			8	Wilde



694-734 cm As above basal layer very vague but splits burrows as shown

734-755 cm As above. Vague basal

Black organic burrow fillings

755-783 cm As above. Distinct fissile base with diapirs from below. Mottled above base

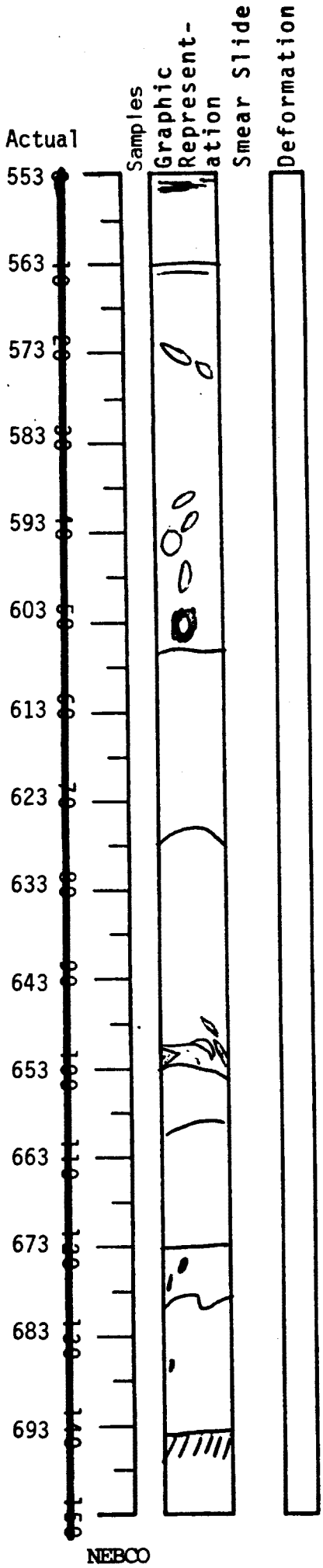
783-826 cm As above distinct base. Mottled above base.

826-844 cm As above. Black organic streak at top. Fissil green mud base.

VISUAL CORE DESCRIPTION

LOCATOR								SAMPLE NO.					SEC.
S	1	5	-	7	9	N	C				8	P	4

STATION#				OBSERVER
			8	Wilde



553-563 cm Gray green mud
Fissile green mud 5GY5/2 at base
563-607 cm as above

5GY5/2 smear

Mottled near base

Black oily mud around
Partially opened burrow

607-658 as above

Silty sand in streaks at base with green mud 5GY5/2

658-673 cm Black oily smear as above. Base fissile green mud

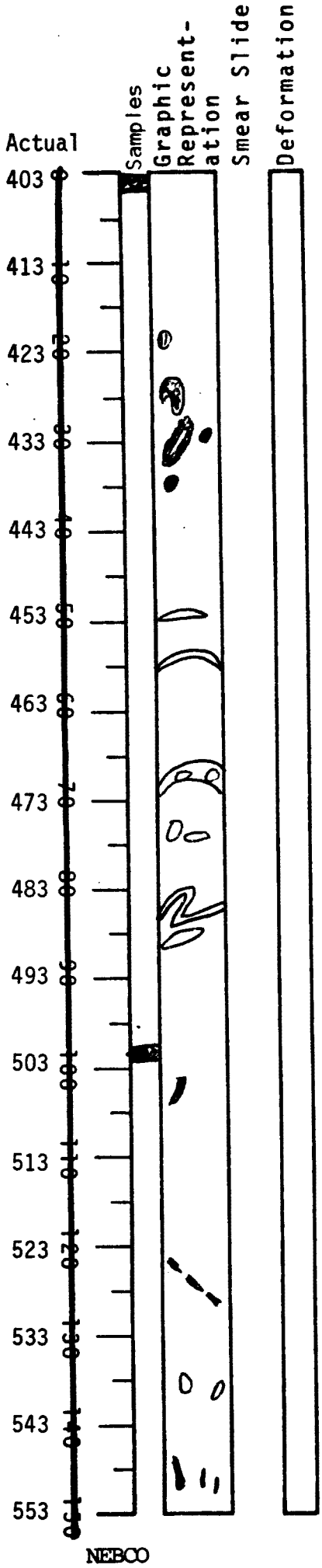
673-694 cm As above
No base layer at base of section

694 cm Bottom

VISUAL CORE DESCRIPTION

LOCATOR								SAMPLE NO.					SEC.
S	1	5	-	7	9	N	C				8	P	5

STATION#				OBSERVER
			8	Wilde



403-459 cm Gray green mud with fissile green 5G5/2 at base
Mottled with filled burrows.

459-485 cm Gray green mud with wavy fissile green mud 5G5/2 at base

Olive mud with lighter burrows fillings

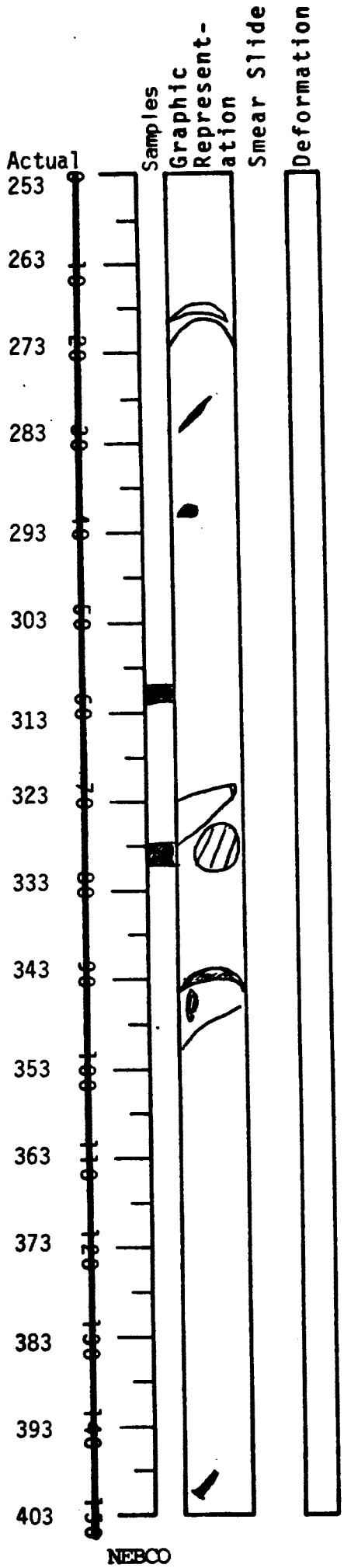
485-553 cm Gray green mud mottled green mud 5G5/2 streaks @ 488 cm and near open burrows 538 cm.

Open burrows

VISUAL CORE DESCRIPTION

LOCATOR								SAMPLE NO.					SEC.
S	1	5	-	7	9	N	C				8	P	6

STATION#				OBSERVER
			8	Wilde



253-270/272 cm Gray green 10GY5/2 with green mud towards 10GY4/4 at base.

270/272-403m Gray green mud 10GY5/2

Black oily streak

Gray green mud 10GY4/4

Open burrow with fissile particles (fecal pellets)

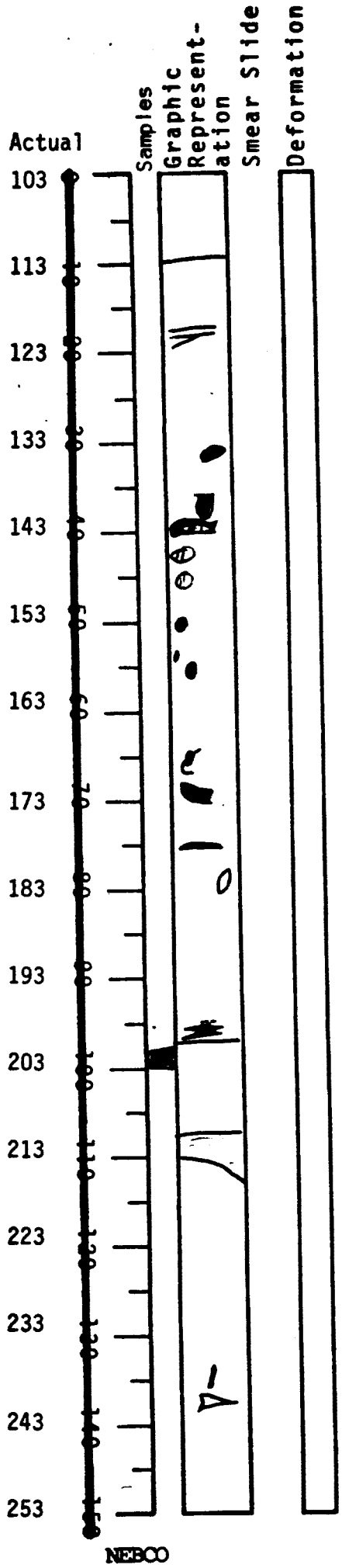
Black oily streak

Open burrow with oily mud.

VISUAL CORE DESCRIPTION

LOCATOR								SAMPLE NO.					SEC.
S	1	5	-	7	9	N	C				8	P	7

STATION#				OBSERVER
			8	Wilde



103-113 cm Green mud 5GY5/2

113-200 cm Green mud 5GY5/2

Black oily streak

Black oily mud around open tube

Open burrow

Black streaked base

200-212 cm Gray green mud 5G5/2 fissile than above

212-213/216 Dark green mud 5GY5/3

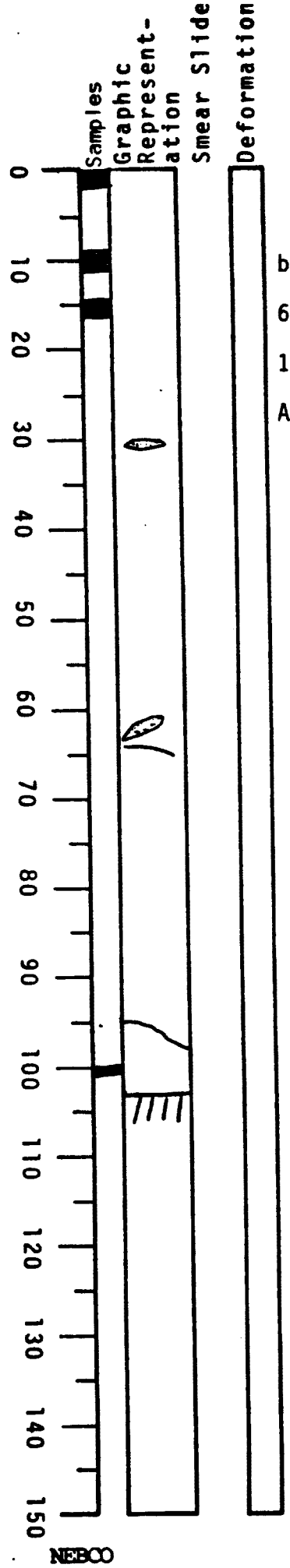
213/216-243 cm Green mud between 5GY5/2 and 5GY7/2

Gray green layer 5GY5/3

VISUAL CORE DESCRIPTION

LOCATOR								SAMPLE NO.					SEC.
S	1	5	-	7	9	N	C				8	P	8

STATION#				OBSERVER
			8	Wilde



0-6 cm Oxidized brown mud mottled brown and gray mud.

6-13 cm Dark sand with green mud layers

13-103 cm Green mud 5GY5/2 dark sandy blebs. as indicated.

All sands are v. fine to silt 10Y4/2 w/mica

Black oily streak

Black oily streak 95 cm

103 cm Bottom

USGS STATION LOG

SHIP / LEG S15-79-NC

LATITUDE 35°19.35

LONGITUDE 123°57.95

STATION NO. 9G

LINE NO.

DAY/MONTH/YEAR

DATE 1/12/79

TYPE OF STORAGE (check one)

	X	
DRY	COLD	FROZEN

SAMPLE NO. TYPE & ID.	UNCORRECTED DEPTH (M)	CORE LENGTH	BASIC LITHOLOGY	AGE OF BOTTOM
9g Sec 3	4080	0-34 cm		
Sec 2	"	34-168		
Sec 1	"	168-318		

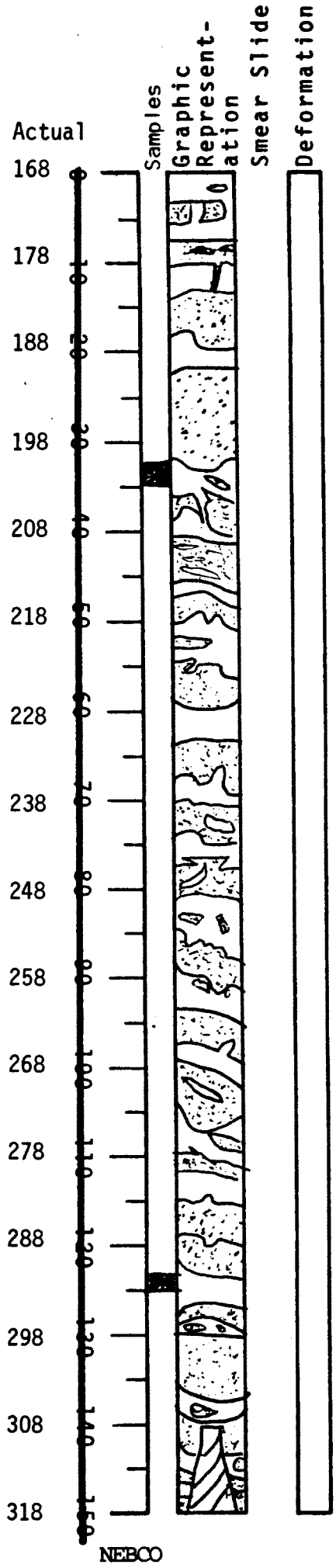
REMARKS: Est. depth: 3989m wire out: 3988 m
Winch runaway problems at 3000m wire out and line speed of 160 m/min
Wire out meter died on way in' water in connections

NEBCO

VISUAL CORE DESCRIPTION

LOCATOR	SAMPLE NO.	SEC.
S 1 5 - 7 9 N C	9 G	1

STATION#	OBSERVER
9	Wilde



168-318 cm Alternating muds and sands as described in sect. 2

Muds in three colors of green as in sect.2.

At least 2, sometimes 3 colors of mud between each sand

Same mica in sand silt-v.fn. grained mica(larger fn.)
Same color as above

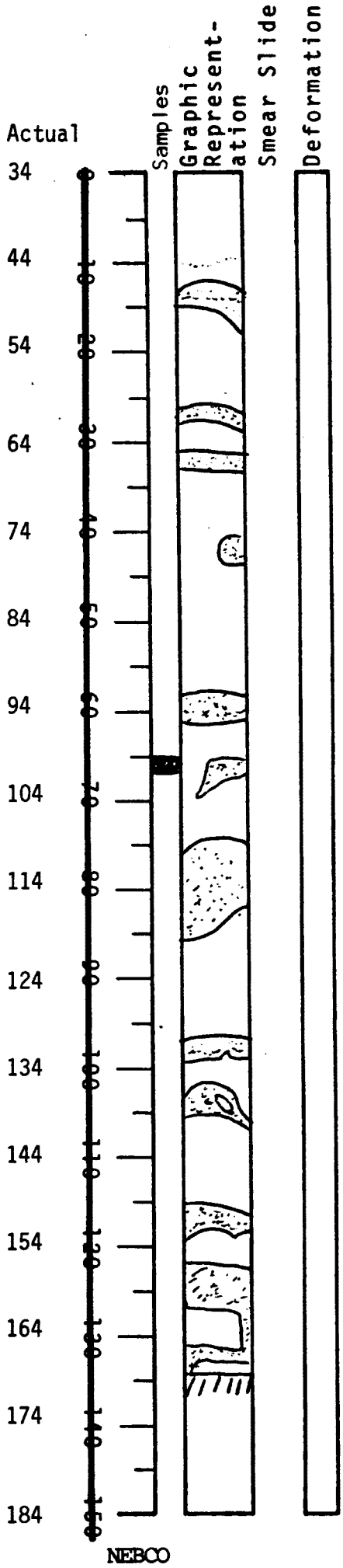
Layer less sandy & lighter color

5G3/2 at sample

VISUAL CORE DESCRIPTION

LOCATOR								SAMPLE NO.					SEC.
S	1	5	-	7	9	N	C				9	G	2

STATION#				OBSERVER
			9	Wilde



34-68 cm Cyclic beds of green mud grading downward or alternating with dark sand layers as depicted.

Green muds mottled generally in layers of bands of three colors of green

<u>More oxidized/More reduced</u>

Olive green
light gray green
Blue green

Probably indicative of relative amount of organic material versus oxidation state.

4cm void at top not vertical- measured from start of mud

1/80 muds now look lighter A & darker B, snad (ie. only 2 colors) very occasional very thin third color more yellow green.

Sampled for Leco the A&B only.

<u>Sands generally 10Y4/2</u> Few darker 5Y3/2

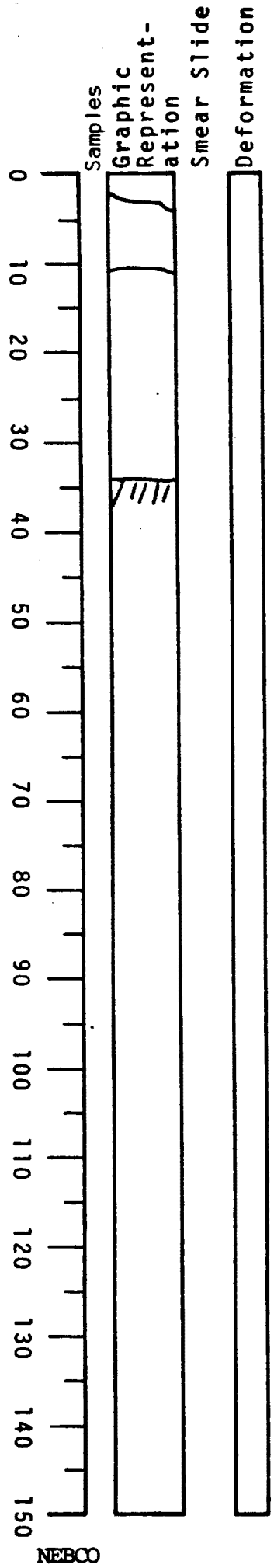
Some mica in sand. Mica very fine grain.
Silt v. fn.

168 cm Bottom

VISUAL CORE DESCRIPTION

LOCATOR								SAMPLE NO.					SEC.
S	1	5	-	7	9	N	C				9	G	3

STATION#				OBSERVER
			9	Wilde



0-2/3 cm green mud 5GY5/2

2/3-34 cm Green mud less olive than above black olive laye

34 cm Bottom

USGS STATION LOG

SHIP / LEG S15-79-NC

LATITUDE 35°01-25

LONGITUDE 123°16.77

STATION NO. 10

LINE NO.

DAY/MONTH/YEAR

DATE 2/12/79

TYPE OF STORAGE (check one)

DRY	COLD	FROZEN
	X	

SAMPLE NO. TYPE & ID.	UNCORRECTED DEPTH (M)	CORE LENGTH	BASIC LITHOLOGY	AGE OF BOTTOM
10PG		0-32 cm		
10P				

REMARKS: 10PG-4 barrels, 18' free fall, trip wire 15' longer than barrel length (12 m)
-sheared barrel at lower coupling & bent 2 others; no sample

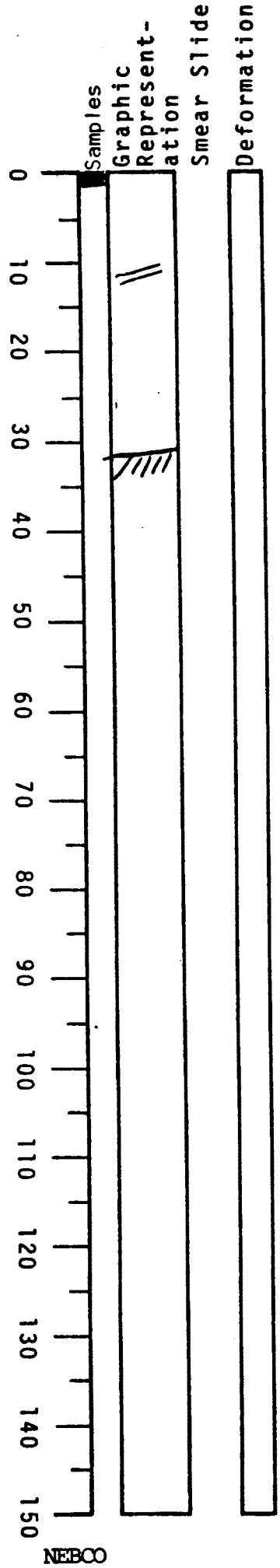
3935 wire out; Est. 3956 m

10G One branch preserved in ;lastic sealtight bag; rest of wood with mud in 30% alcohol solution. (30/70% sea water)

VISUAL CORE DESCRIPTION

LOCATOR								SAMPLE NO.				SEC.
S	1	5	-	7	9	N	C		1	0	P	G		1

STATION#				OBSERVER
		1	0	Wilde



Brown oxidized sun place

0-2 cm Fluid green mud

2-32 cm Green mud with dark oily streaks and mottled with darker finer green mud.

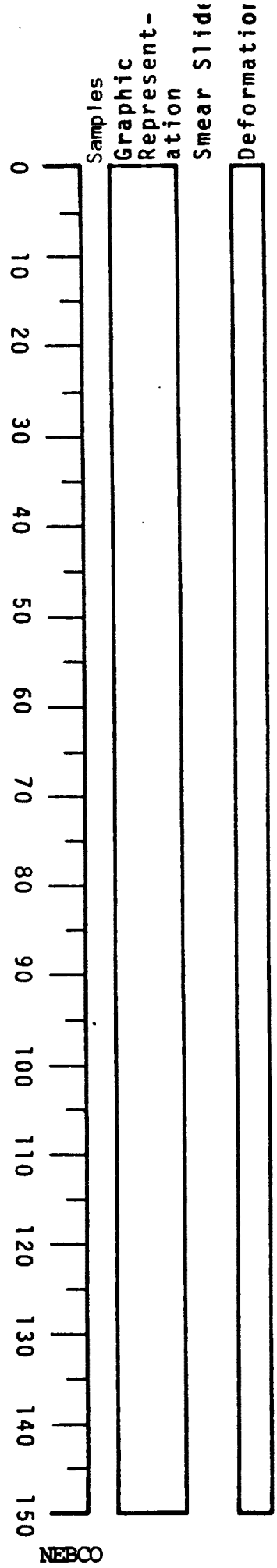
No X-ray, No photo

32 cm Bottom

VISUAL CORE DESCRIPTION

LOCATOR	SAMPLE NO.	SEC.
S 1 5 - 7 9 N C	1 0 G	1

STATION#	OBSERVER
1 0	Wilde



No recovery in tubes. Wood frags. and twigs up to 9cm long.
Green mud.

Sample in two jars
1. glass+30% alcohol
2. Plastic bag

1&2 stoned in larger plastic bag and tagged.

USGS STATION LOG

SHIP / LEG: S1--79-NC

LATITUDE: 36°19.30

LONGITUDE: 123°43.57

STATION NO.: 11P

LINE NO.:

DAY/MONTH/YEAR

DATE: 3/12/79

TYPE OF STORAGE (check one)

DRY	COLD	FROZEN
	X	

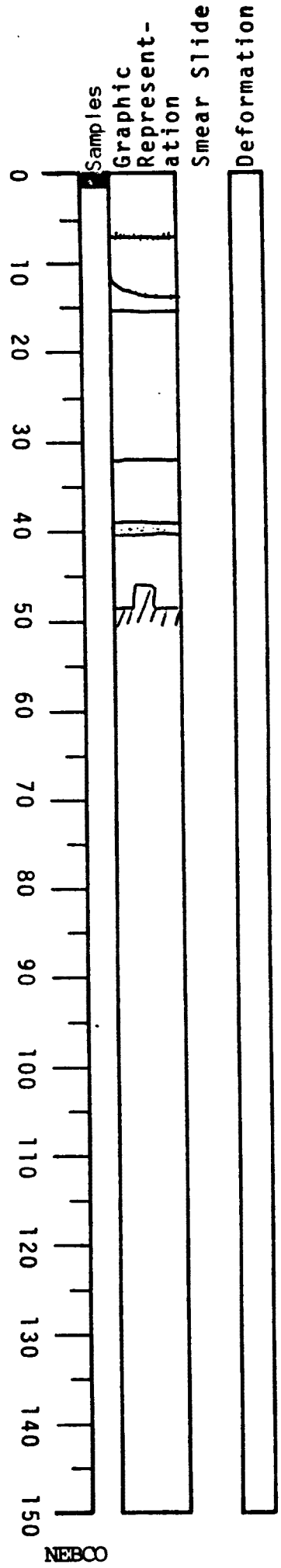
SAMPLE NO. TYPE & ID.	UNCORRECTED DEPTH (M)	CORE LENGTH	BASIC LITHOLOGY	AGE OF BOTTOM
11PG	3725	0-48 cm		
11 Sec. 7	"	0-48 cm		
Sec. 6	"	48-198		
Sec. 5	"	198-348		
Sec. 4	"	348-503		
Sec. 3	"	503-653		
Sec. 2	"	653-802		
Sec. 1	"	802-952		

REMARKS: 4 barrel attempt w/18' free fall and 15' trigger line length beyond core nose
Breakaway piston, 1/8" hole (no screw), 2 gaskets
Mudline on weightstand but sediment only to bottom of upper barrel.
Piston was at top of liner but no suck. (2½m piston to mudline)
Pullout: 9500# Wire out: 3624 Est. 3630m

VISUAL CORE DESCRIPTION

LOCATOR								SAMPLE NO.					SEC.
S	1	5	-	7	9	N	C		1	1	P	G	1

STATION#				OBSERVER
		1	1	Wilde



0-15 cm Olive mud with sand 10Y5/4 layers as indicated

15-33 cm Green mud 5GY5/2

33-39 Mottled olive mud 10Y5/4
39-40 cm Dark sand

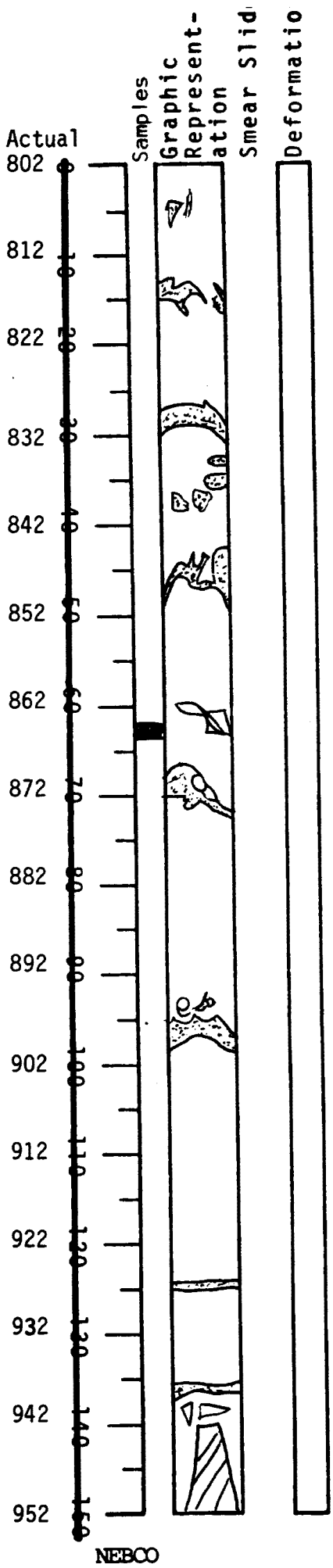
40-48 cm Mottled olive mud 10Y5/4 48 cm

48 cm bottom

VISUAL CORE DESCRIPTION

LOCATOR								SAMPLE NO.					SEC.	
S	1	5	-	7	9	N	C			1	1	P		1

STATION#				OBSERVER
		1	1	Wilde

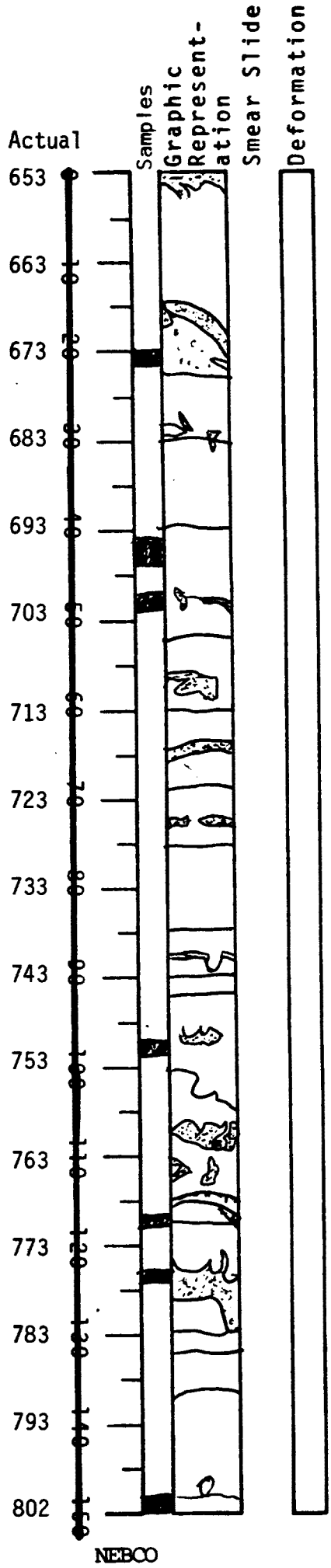


802-952 cm Green mud and gray green mud with sand layers as indicated-gray green 10G4/2 or 5GY3/2 appears to be almost half the mud and increases with depth. Color banding less distinct than in sect. 2

Sands fn.-v. fn. gr. 5GY3/2 lots of mica

Shells; lower one samples

Shells 942-944



VISUAL CORE DESCRIPTION

LOCATOR								SAMPLE NO.					SEC.	
S	1	5	-	7	9	N	C				1	1	P	2

STATION#				OBSERVER
		1	1	Wilde

653-654/655 cm Dark sands base of layer in sect. 3

654/655 Green mud mottled with (A w/B)
667/674 gray green mud

Cyclic banded muds, green mud 5GY5/2 (A) at top, generally distinct gray green mud at base 10G4/2 (B)

675-685 cm to KK for gas analysis

Sands v. fn. grained w/mica 5Y3/2

1/80 Each section (ie 735-745) seems to be a complete cycle, w/both colors mud & sometimes a sand-now impossible to tell where color boundries he saw were.

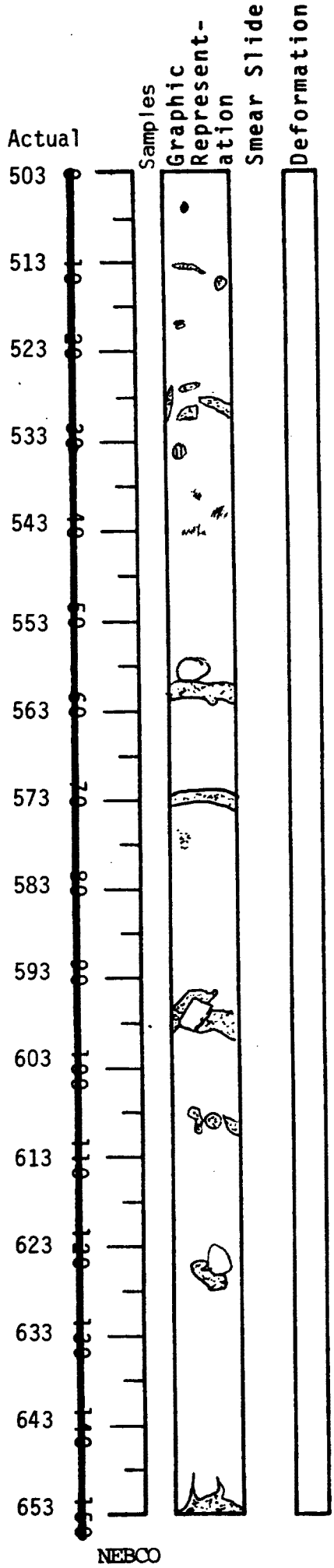
Now the B mud is lighter than the A, think it was reversed when fresh.A muds v.mottled, some squiggly, some fat & roundish

667/674-675, 675-683, 683-693, 693-705, 705-713, 713-721, 721-728, 728-738, 738-745, 745-752/758, 752/758-770, 770-781, 781-784, 784-790, 790-802 cm.: Sand layers with sand dots below.

VISUAL CORE DESCRIPTION

LOCATOR								SAMPLE NO.					SEC.	
S	1	5	-	7	9	N	C			1	1	P		3

STATION#				OBSERVER
		1	1	Wilde



503-653 cm Green mud 5GY5/2
mottled with gray green mud 10G4/2

Shell

Sands as indicated

Sands 5Y3/2 v. fn. grated, some mica.

Sandy patches

1g mottle

Sandy patch

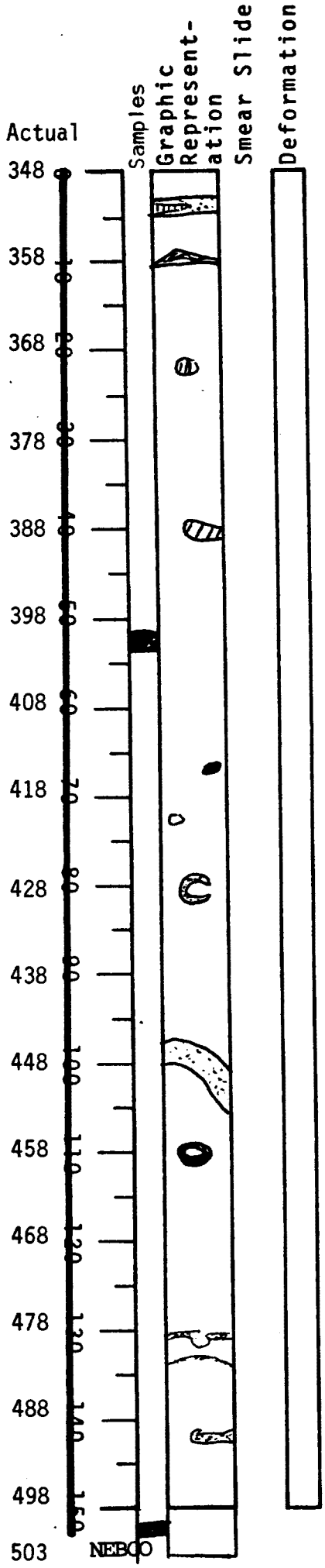
Sand around filled burrow (mottle)

Sand around filled burrow (mottle)

VISUAL CORE DESCRIPTION

LOCATOR								SAMPLE NO.					SEC.	
S	1	5	-	7	9	N	C			1	1	P		4

STATION#				OBSERVER
		1	1	Wilde



348-448/454 cm Green mud 5GY5/2
sand layers as indicated dark streak

Open burrow

Open burrow

Black oily spot?

Sand around filled burrow

Grades to olive mud 10Y5/4 above sand

V. fn. w/mica

448-454-503 Green mud 5GY5/2 mottled with gray green mud 10G4/2

Sandy patch

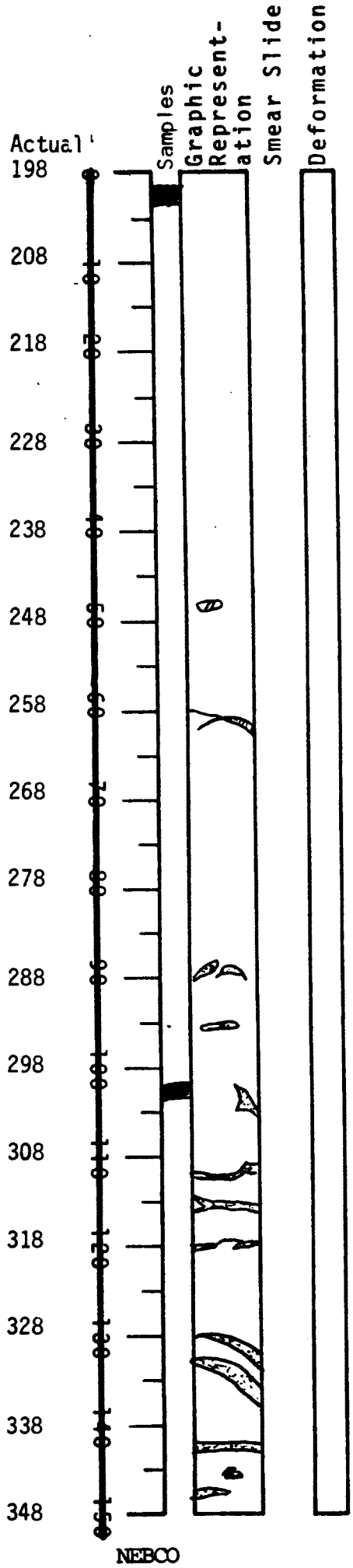
Vague silty lams.

v. fine w/mica

VISUAL CORE DESCRIPTION

LOCATOR								SAMPLE NO.					SEC.
S	1	5	-	7	9	N	C			1	1	P	5

STATION#				OBSERVER
		1	1	Wilde



198-259 cm Green mud 5GY5/2 mottled with olive mud toward base.

Sands v.fn. graded 5GY3/2

Open burrow

259-348 cm Dark sand. Green mud 5GY5/2 mottled with gray green 10G4/2 below lower sands

Dark sand

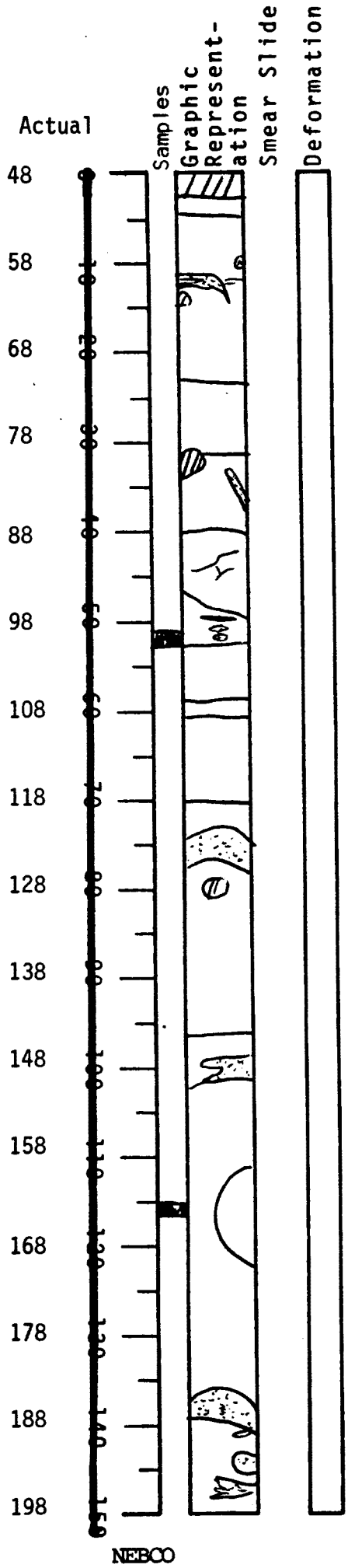
308-318 v. fn.

328-345 v. fn. to silt

VISUAL CORE DESCRIPTION

LOCATOR								SAMPLE NO.					SEC.	
S	1	5	-	7	9	N	C			1	1	P		6

STATION#				OBSERVER
		1	1	Wilde



48-50 cm void

50-51 cm Green mud 5GY5/2

51-71 cm Mottled olive mud 10Y5/4
Dark sand

71-81 cm Green mud 5GY5/2

81-89 cm Olive mud 10Y5/4

89-96/98 cm Green mud 5GY5/2 black oily streaks. Dark sanc

101-107 cm Green mud 5GY5/2

107-109 cm mottled olive mud 10Y5/4

109-118 cm Green mud 5GY5/2

118-126 cm Mottled olive and mud 10y5/4 dark sand

126-145 cm Green mud 5GY5/2 open burrow

145-151 cm Mottled olive mud 10Y5/4 dark sand

151-198 cm Green mud 5G5/2 mottled with olive mud

Burrow filled with Fecal Pelats

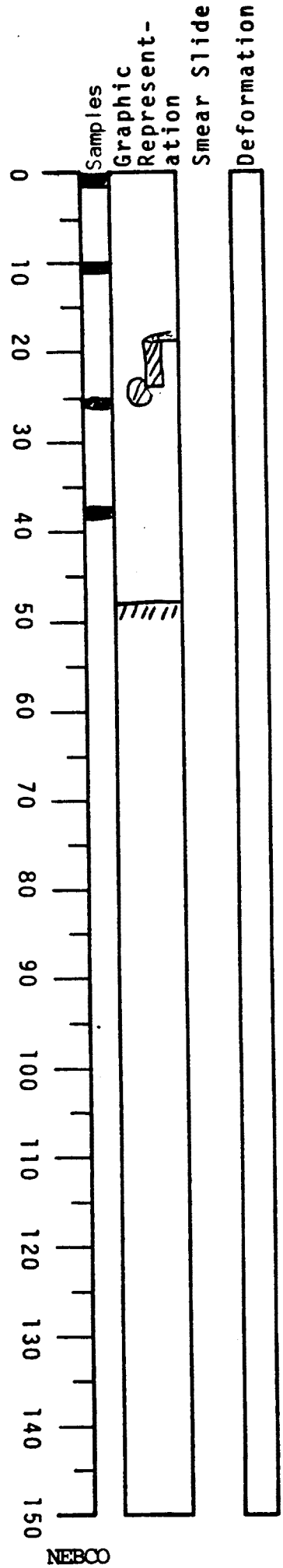
Sands v.fn. 5Y3/2. Small amount of mica

Dark sands

VISUAL CORE DESCRIPTION

LOCATOR								SAMPLE NO.					SEC.	
S	1	5	-	7	9					1	1	P		7

STATION#				OBSERVER
		1	1	Wilde



0-48 cm Green mud 5Gy5/2 or (10Y4/2)

19 cm Sand lens
19-25 cm worm burrow? curving?

48 cm Bottom

USGS STATION LOG

SHIP / LEG S15-79-NC

LATITUDE 37°41.4

LONGITUDE 126°14.6

STATION NO. 12G

LINE NO. End of line 37

DAY/MONTH/YEAR

DATE 4/12/79

TYPE OF STORAGE (check one)

	X	
DRY	COLD	FROZEN

SAMPLE NO. TYPE & ID.	UNCORRECTED DEPTH (M)	CORE LENGTH	BASIC LITHOLOGY	AGE OF BOTTOM
12G	No sample			

REMARKS: 3 barrel gravity core w/piston core weighstand. No flapper valve. 4306m wire out; 4292 est; 10.4k lbs. pullout

No sediment in core. Some grit on line and 1st barrel is muddy externally

USGS STATION LOG

SHIP / LEG S15-79-NC

LATITUDE 38°08.73

LONGITUDE 125°30.37

STATION NO. 13P

LINE NO. 50

DAY/MONTH/YEAR

DATE 8/12/79

TYPE OF STORAGE (check one)

	X	
DRY	COLD	FROZEN

SAMPLE NO. TYPE & ID.	UNCORRECTED DEPTH (M)	CORE LENGTH	BASIC LITHOLOGY	AGE OF BOTTOM
13Pg	4016	Glob		
13P Sec. 7	"	0-45 cm		
Sec. 6	"	45-195		
Sec. 5	"	195-345		
Sec. 4	"	345-485		
Sec. 3	"	485-635		
Sec. 2	"	635-785		
Sec. 1	"	785-934		

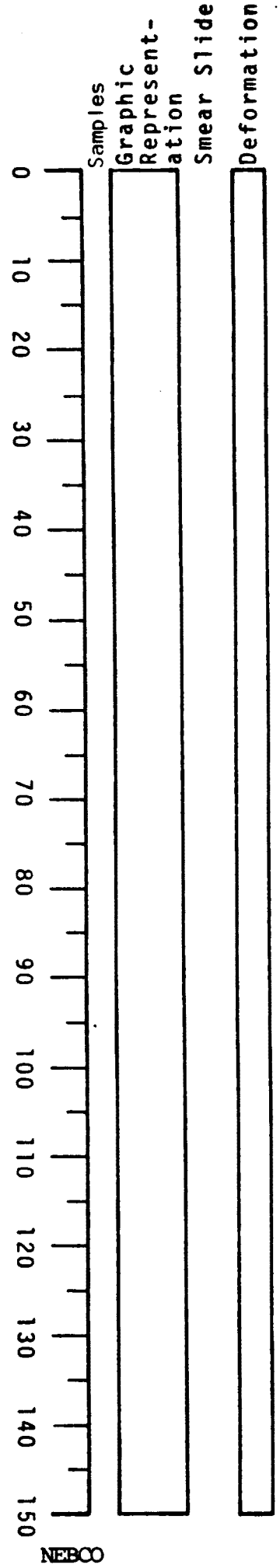
REMARKS: 4 barrel attempt w/ 18' free fall and 15' trigger line length below nose cone.
Breakaway piston, 1/8" hole, no screw used; 2 gaskets
Mudline at weight stand but sediment only ½ m into upper barrel.
Piston at top of liner (ie, 2½ m above mud) and bolt in back of piston is bent. No suck but saw 2 jolts during trip and freefall.

Wire out: 3884 m: est. 3894 m; pullout 900 lb (if any)

VISUAL CORE DESCRIPTION

LOCATOR								SAMPLE NO.					SEC.
S	1	5	-	7	9	N	C		1	3	P	G	1

STATION#				OBSERVER
		1	3	Wilde



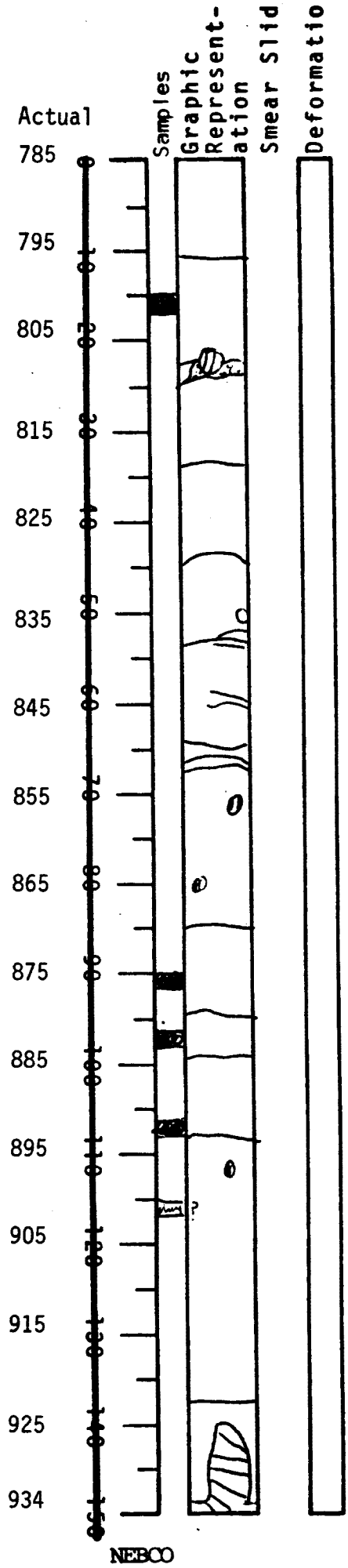
Green glob from interior of liner
No other recovery

Samples
1. To Engle/ Rose Bengal
2. To USGS

VISUAL CORE DESCRIPTION

LOCATOR								SAMPLE NO.				SEC.
S	1	5	-	7	9	N	C			1	3	P		1

STATION#				OBSERVER
		1	3	Wilde



785-796 cm Olive mottled. Base of previous section

796-809 cm Green mud mottled with gray green mud
Burrow
Dark sand-silt-v. fn. 5Y3/2 gray green base

819-865 cm Mottled green mud with layering as noted some olive mottling.

Gray green mud layer

Gray green mud layer

Burrow

Dark sand 5Y3/2 v. fn.-silt

865-880 cm Olive mud matrix with green mud mottles

880-934 cm Mottled green mud with olive and gray green mottles. Mottling flattened with respect to those above.

888 & 892 cm Gray green mud layers

Burrow

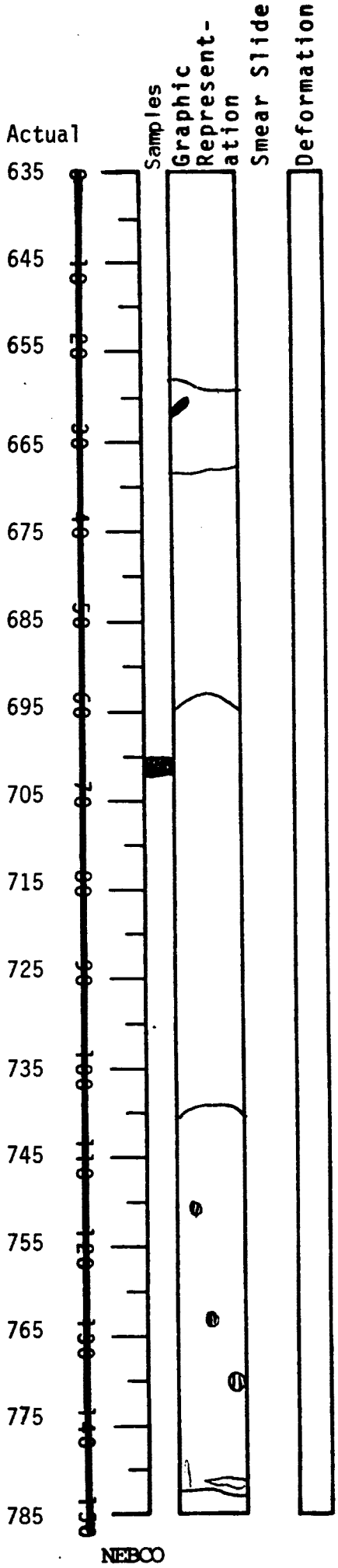
923-end of core, darker (mud)

1/80

VISUAL CORE DESCRIPTION

LOCATOR								SAMPLE NO.					SEC.
S	1	5	-	7	9	N	C			1	3	P	2

STATION#				OBSERVER
		1	3	Wilde



635-659, 659-695, 695-740, 740-785 cm.: Cyclic color bandings Green mud matrix 5GY5/2, grading from gray green mottles 5G5/2 to olive green 10Y4/2 base. Layers as indicated

658 cm Dark oily streak

661 cm Filled burrow

668 cm Dark oily streak

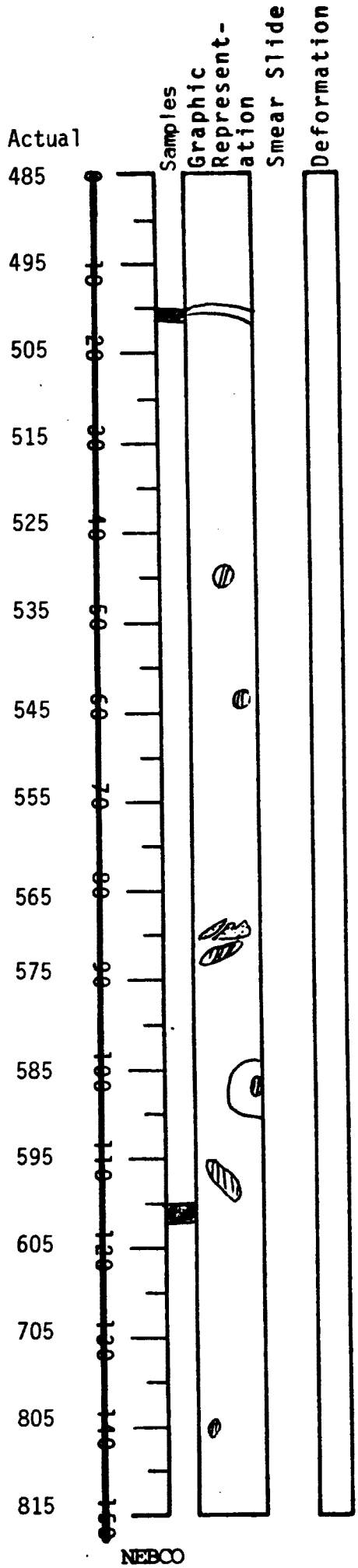
740-785 cm No olive base

Gray green mud layers

VISUAL CORE DESCRIPTION

LOCATOR								SAMPLE NO.					SEC.
S	1	5	-	7	9	N	C			1	3	P	3

STATION#				OBSERVER
		1	3	Wilde



485-635 cm Mottled green mud 5GY5/2 with olive green 10Y4/2 and gray green 5G5/2 olive mud

Burrow

Burrow

Dark sand
Burrow w/Pecal Pellets

Gray green mud

Burrow

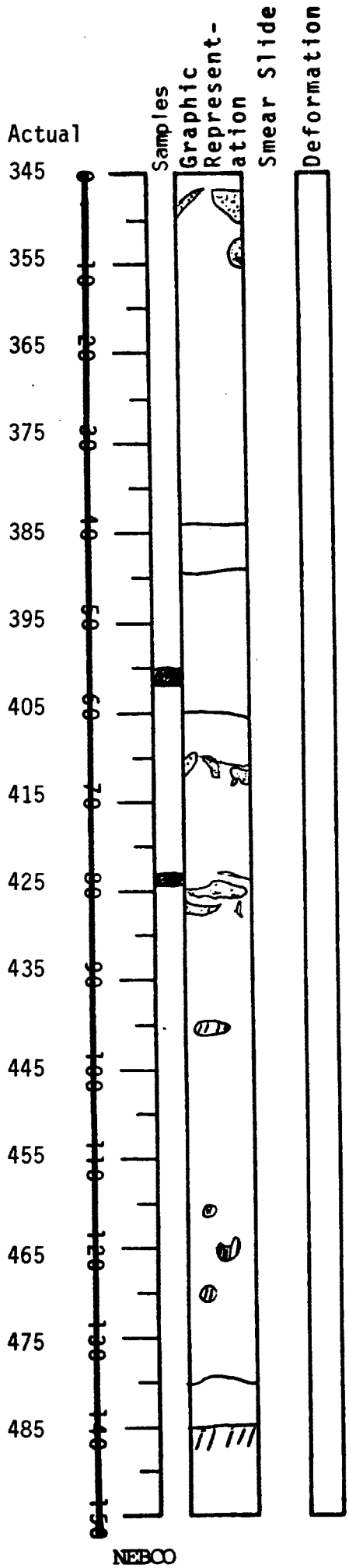
Burrow w/Pecal Pellets

Burrow w/Pecal Pellets

VISUAL CORE DESCRIPTION

LOCATOR								SAMPLE NO.				SEC.
S	1	5	-	7	9	N	C			1	3	P		4

STATION#				OBSERVER
		1	3	Wilde



Dark sands

345-485 cm Mottled green mud 5GY5/2 with gray green mud 5G5/2

Mottled 5GY5/2 and olive green as indicated

384-389 cm Olive mottles

405-410 cm Olive mottles

Dark sands

Dark sands

Burrow w/Fecal Pellets

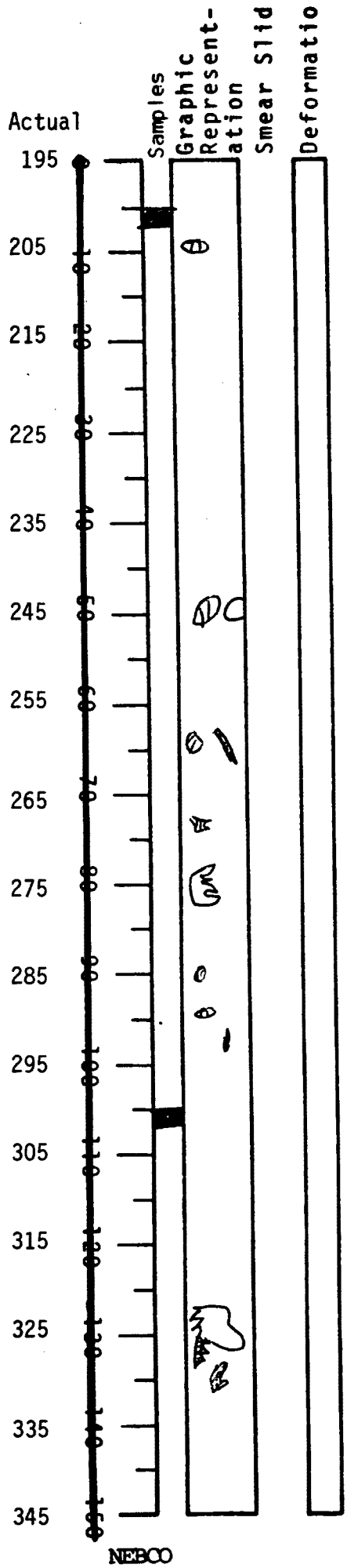
Burrow

480-485 cm Olive mottles

VISUAL CORE DESCRIPTION

LOCATOR								SAMPLE NO.					SEC.
S	1	5	-	7	9	N	C			1	3	P	5

STATION#				OBSERVER
		1	3	Wilde



195-345 cm Mottled green mud 5GY5/2 with olive 10Y4/2 with gray green mottles as indicated

205 cm Burrow

Burrow-Gray green mud 5G5/2

Dark sand, burrow w/Fecal pellets

Burrow

gray green mud
Dark sand

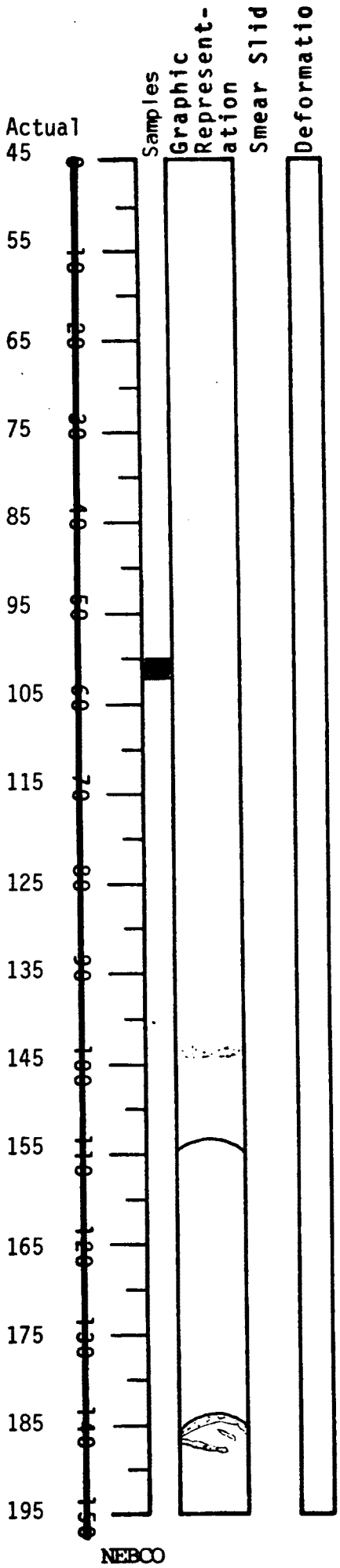
Dark sand

86

VISUAL CORE DESCRIPTION

LOCATOR								SAMPLE NO.					SEC.
S	1	5	-	7	9	N	C			1	3	P	6

STATION#				OBSERVER
		1	3	Wilde



45-155 cm Green mud 5GY5/2

Silty patch

155-195 cm Mottled green mud 5GY5/2 and gray green mud 5G5/2

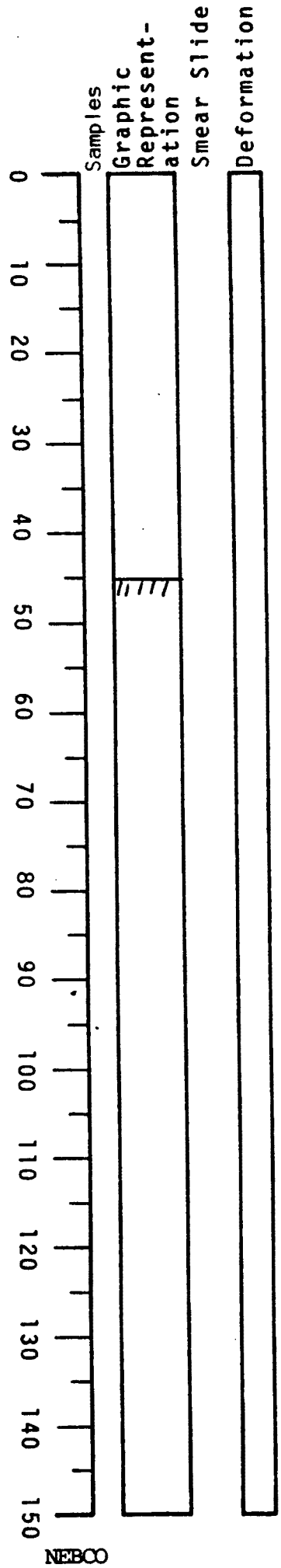
Sand layer as indicated 10Y 4/2
V. fn.-silt

07

VISUAL CORE DESCRIPTION

LOCATOR								SAMPLE NO.					SEC.	
S	1	5	-	7	9	N	C			1	3	P		7

STATION#				OBSERVER
		1	3	Wilde



0-45 cm Green mud 5GY5/2 soupy

45 cm Bottom

USGS STATION LOG

SHIP / LEG S15-79-NC

LATITUDE 38°10.64

LONGITUDE 125°55.81

STATION NO. 14 FF

LINE NO. 51

DAY/MONTH/YEAR

DATE 9/12/79

TYPE OF STORAGE (check one)

DRY	COLD	FROZEN
	X	

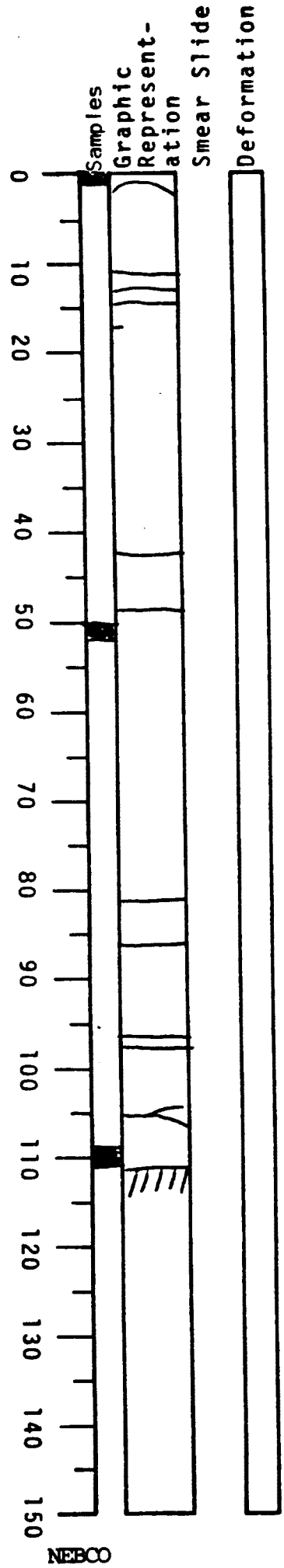
SAMPLE NO. TYPE & ID.	UNCORRECTED DEPTH (M)	CORE LENGTH	BASIC LITHOLOGY	AGE OF BOTTOM
14 FF	4239	111 cm		

REMARKS: Clean drop and recovery

VISUAL CORE DESCRIPTION

LOCATOR								SAMPLE NO.					SEC.
S	1	5	-	7	9	N	C		1	4	F	F	1

STATION#				OBSERVER
		1	4	Wilde



0-2 cm Brown mud

2-11 cm Green mud 5GY5/2 with layers etc. As indicated
11-17 cm Black oily streaks mottled with olive mud 10Y5/4 occassionally

44 cm Gray green mud layer 5G5/2

48 cm Gray green mud layer 5G5/2

82 cm Gray green mud layer 5G5/2
86.5 cm " "

96-98 cm Gray green mud 5G5/2

105 gray green mud 5G5/2

USGS STATION LOG

SHIP / LEG S15-79-NC

LATITUDE 38°13.25

LONGITUDE 125°58.03

STATION NO. 15 FF

LINE NO. 51

DAY/MONTH/YEAR

DATE 9/12/79

TYPE OF STORAGE (check one)

DRY	COLD	FROZEN
	X	

SAMPLE NO. TYPE & ID.	UNCORRECTED DEPTH (M)	CORE LENGTH	BASIC LITHOLOGY	AGE OF BOTTOM
15 FF	4242	101 cm		

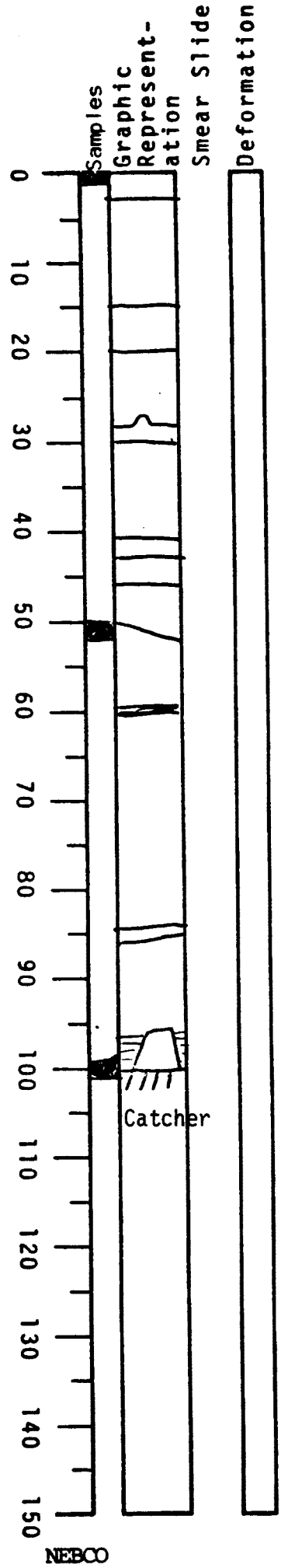
REMARKS: Clean drop and recovery

NEBCO

VISUAL CORE DESCRIPTION

LOCATOR								SAMPLE NO.					SEC.
S	1	5	-	7	9	N	C		1	5	F	F	1

STATION#				OBSERVER
		1	5	Wilde



0-2 cm Brown mud

2-15 cm Green mud 5GY5/2

15-20 cm Olive mud 10Y5/4 mottled with green mud borings

20-28 cm Green mud with dark oily streaks

28-30 cm Gray green mud 5G5/2

41-43 cm Gray green mud 5G5/2

43-46 cm Mottle olive mud 10Y5/4

50-51 cm Gray green mud 5G5/2

60-61 cm Dark oily bands

61-85 cm Green mud 5G5/2

85-86 cm Gray green mud 5G5/2

86-89 cm Green mud 5GY5/2

96-98 cm Dark oily bands and silt?

98-101 cm Green mud 5GY5/2

101 cm Bottom

USGS STATION LOG

SHIP / LEG S15-79-NC

LATITUDE 38°15.33

LONGITUDE 125°59.51

STATION NO. 16 FF

LINE NO. 51

DAY/MONTH/YEAR

DATE 9/12/79

TYPE OF STORAGE (check one)

	X	
DRY	COLD	FROZEN

SAMPLE NO. TYPE & ID.	UNCORRECTED DEPTH (M)	CORE LENGTH	BASIC LITHOLOGY	AGE OF BOTTOM
16 B FF	4237	86 cm		

REMARKS: Drop 16 was aborted when it tripped on launch; approx 1 to 142 minutes later we dropped 16B, which had clean drop & recovery

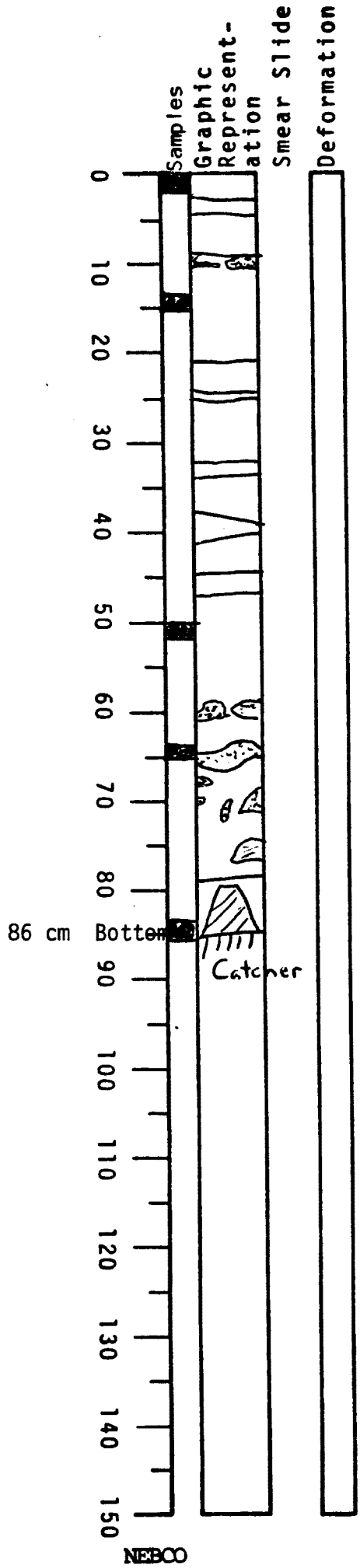
Picked up 16 before returning to 14, so both 14&15 were at surface before we stopped to begin recovery sequence. Cores were in good shape

NEBCO

VISUAL CORE DESCRIPTION

LOCATOR								SAMPLE NO.				SEC.	
S	1	5	-	7	9	N	C		1	6	F	F	

STATION#				OBSERVER



0-2 cm Brown mud

2-4 cm Yellow brown mud

4-9 cm Olive mud 10Y5/4

9-10 cm Dark sand layer

10-21 cm Green mud 5GY5/2 sand? @ 14/15 cm

21-25 cm Gray green mud 5G5/2

25 cm Dark oily layer

25-33 cm Green mud 5GY5/2

33-34 cm Gray green mud with oily streaks

39/40-41/42 cm Gray green mud with dark oily mud base. 5G5/2

45-47 cm Gray green mud 5G5/2

47-60 cm Green mud 5GY5/2

60-70 cm Dark sand blebs. as shown with green mud matrix sands at 60 cm Greener than below

70-79 cm Green mud 5GY5/2
76-78 cm Finely layered very fine sand? or dark oily mud.

79-86 cm Olive mud 10Y5/4

NOTE: This was launch #2 or 16B, 16A aborted.

USGS STATION LOG

SHIP / LEG S15-79-NC

LATITUDE 39°11.62

LONGITUDE 124°53.87

STATION NO. 17 FF

LINE NO.

DAY/MONTH/YEAR

DATE 9/12/79

TYPE OF STORAGE (check one)

	X	
DRY	COLD	FROZEN

SAMPLE NO. TYPE & ID.	UNCORRECTED DEPTH (M)	CORE LENGTH	BASIC LITHOLOGY	AGE OF BOTTOM

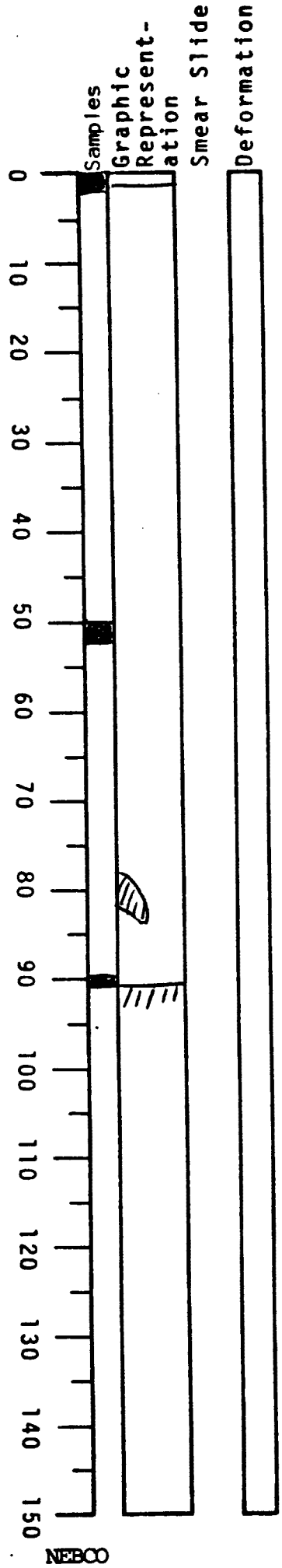
REMARKS:

NEBOO

VISUAL CORE DESCRIPTION

LOCATOR								SAMPLE NO.				SEC.
S	1	5	-	7	9	N	C		1	7	F	F		1

STATION#				OBSERVER
		1	7	Wilde



0-1 cm Brown mud

1-91 cm Green mud 5GY5/2
Soupy to 7 cm

57 cm Thread like worm casing??

Open boring

91 cm Bottom

USGS STATION LOG

SHIP / LEG S15-79-NC

LATITUDE

LONGITUDE

STATION NO. 18,19,20 No recovery

LINE NO.

DAY/MONTH/YEAR

DATE

TYPE OF STORAGE (check one)

☐ DRY ☐ COLD ☐ FROZEN

SAMPLE NO. TYPE & ID.	UNCORRECTED DEPTH (M)	CORE LENGTH	BASIC LITHOLOGY	AGE OF BOTTOM

REMARKS:

NEBCO

USGS STATION LOG

SHIP / LEG S15-79-NC

LATITUDE 39°17.07

LONGITUDE 125°02.33

STATION NO. 21P

LINE NO.

DAY/MONTH/YEAR

DATE 9/12/79

TYPE OF STORAGE (check one)

	X	
DRY	COLD	FROZEN

SAMPLE NO. TYPE & ID.	UNCORRECTED DEPTH (M)	CORE LENGTH	BASIC LITHOLOGY	AGE OF BOTTOM
21Pg	3063	0-14 cm		
21P Sec7	"	0-10 cm		
Sec. 6	"	101-251		
Sec. 5	"	251-401		
Sec. 4	"	401-538		
Sec. 3	"	538-688		
Sec. 2	"	688-838		
Sec. 1	"	838-988		

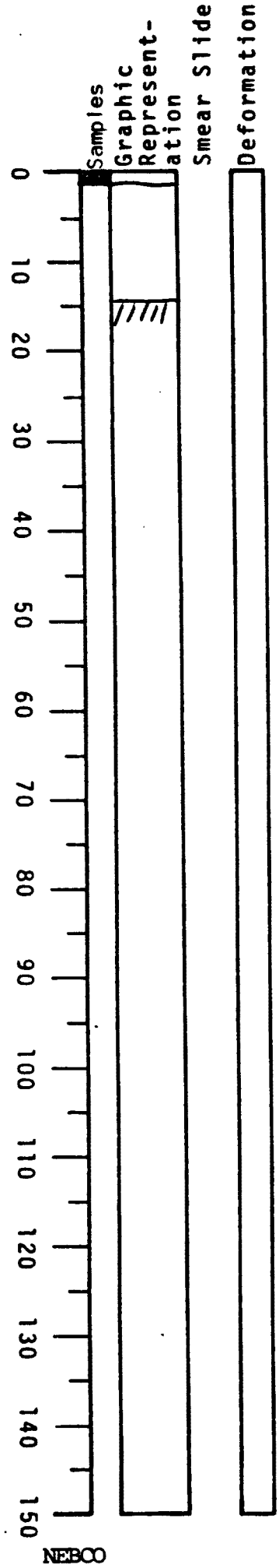
REMARKS: Rig like previous piston core

NEBOO

VISUAL CORE DESCRIPTION

LOCATOR								SAMPLE NO.				SEC.	
S	1	5	-	7	9	N	C		2	1	P	G	1

STATION#				OBSERVER
		2	1	Wilde



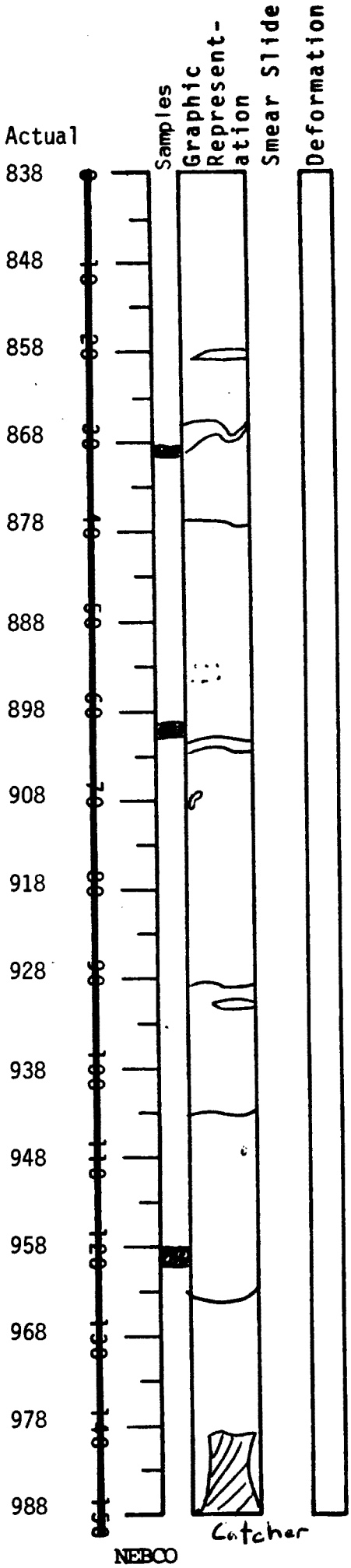
0-1 cm Brown mud

1-14 cm Green mud 5GY5/2
14 cm Bottom

VISUAL CORE DESCRIPTION

LOCATOR								SAMPLE NO.					SEC.	
S	1	5	-	7	9	N	C			2	1	P		1

STATION#				OBSERVER
		2	1	Wilde



838-944 cm Green mud mottled with gray green mud 5G5/2 chiefly in layers or as indicated

Gray green mud layer

Light chocolate mud

Gray green layer

Silt? blebs. 893 cm
Gray green mud layer 902-903 cm

929-944 cm Olive muc 10Y5/4 mottled with green mud. Gray green mud lens. Reverses to green mud mottled with olive mud towards base

944-964 cm Green mud, somewhat lighter than 5GY5/2

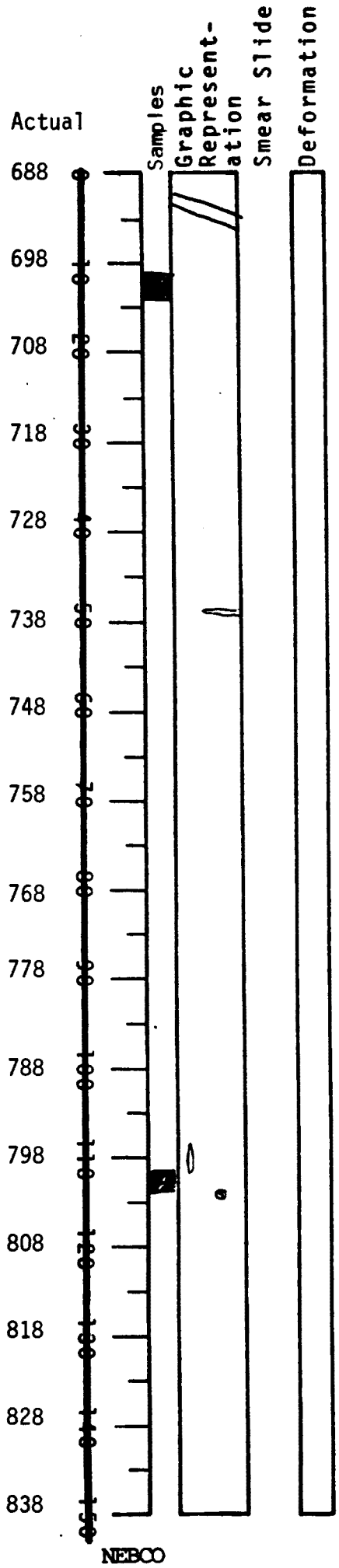
Sand blebs.

964-988 cm Green mud 5GY5/2

VISUAL CORE DESCRIPTION

LOCATOR								SAMPLE NO.					SEC.
S	1	5	-	7	9	N	C			2	1	P	2

STATION#				OBSERVER
		2	1	Wilde



688-838 cm Gray green mud layer green mottled with olive mud 10Y5/4 and gray green mud 5G5/2. Core has a more green cast in lower part of section.

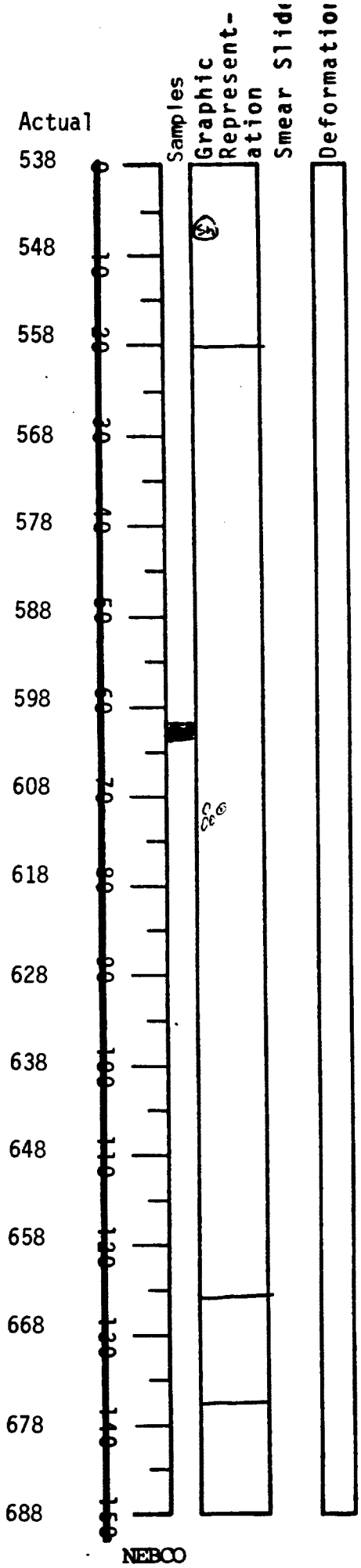
Gray green mud lens

Dark sand blebs.

VISUAL CORE DESCRIPTION

LOCATOR								SAMPLE NO.					SEC.	
S	1	5	-	7	9	N	C			2	1	P		3

STATION#				OBSERVER
		2	1	Wilde



Shell
538-558 cm Olive mud 10Y5/4 mottled with green mud 5GY5/2

558-664 cm Green mud 5GY5/2 mottled with olive mud. Mottles quasi layered

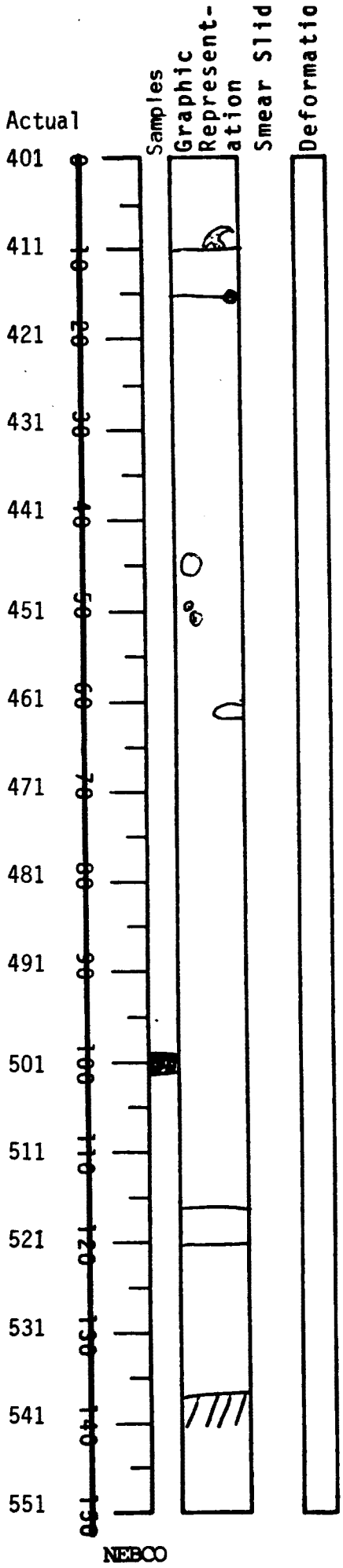
Dark sand blebs

664-674 cm Olive mud mottled with green mud. Transitiona basal contact into
674-688 cm Green mud mottled with olive mud 10Y5/4

VISUAL CORE DESCRIPTION

LOCATOR								SAMPLE NO.					SEC.	
S	1	5	-	7	9	N	C			2	1	P		4

STATION#				OBSERVER
		2	1	Wilde



Dark sand whisp
411-416 cm Olive mud burrowed with green mud
401-538 Green mud 5GY5/2 mottled with olive mud 10Y5/4 and gray green mud 5G5/2 and as noted

Gray green mud bleb.

Dark sand blebs.

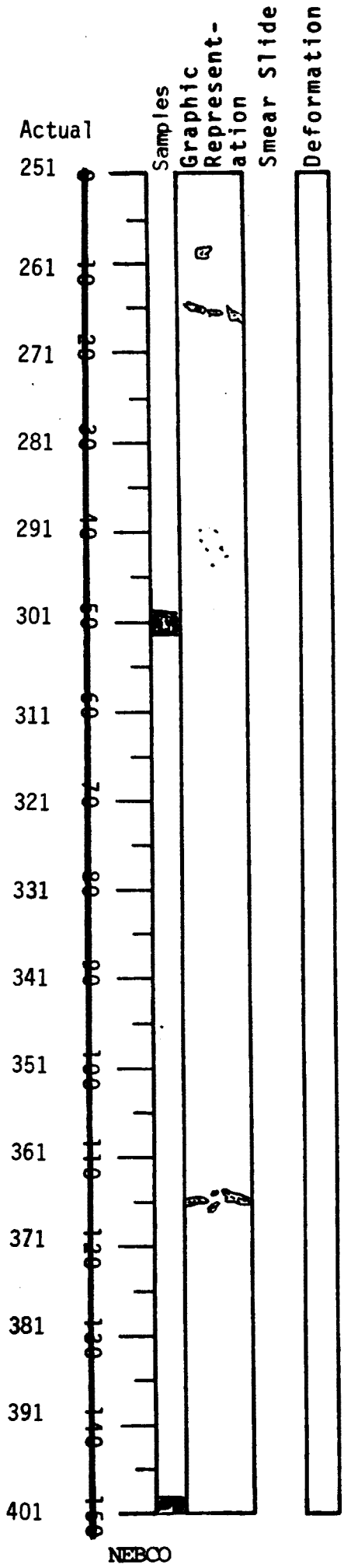
Gray green mud

517-522 cm Olive mud band

VISUAL CORE DESCRIPTION

LOCATOR								SAMPLE NO.					SEC.
S	1	5	-	7	9	N	C			2	1	P	5

STATION#				OBSERVER
		2	1	Wilde



251-401 cm Green mud 5GY5/2 mottled with olive mud 10Y5/4 Occassional dark oily streaks and smears.

261-265/266 Dark sand wisps and blebs.

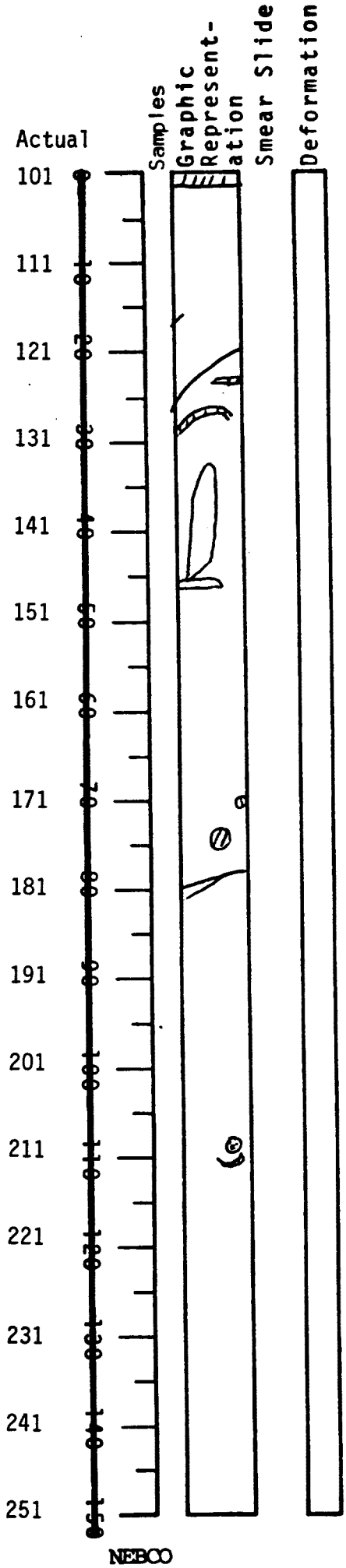
Pin hole burrows

Dark sand layer.

VISUAL CORE DESCRIPTION

LOCATOR								SAMPLE NO.				SEC.	
S	1	5	-	7	9	N	C			2	1	P	6

STATION#				OBSERVER
		2	1	Wilde



101-102 cm Gap

102-123/128 cm Green mud 5GY5/2

123/128-178/180 cm Mottled olive mud 10Y5/4 with green muc
5GY5/2

Burrrow 125 cm
122-128 Dark sand lens

Burrow like depression

Wood-possible 14C date

Sand bleb.
Burrow

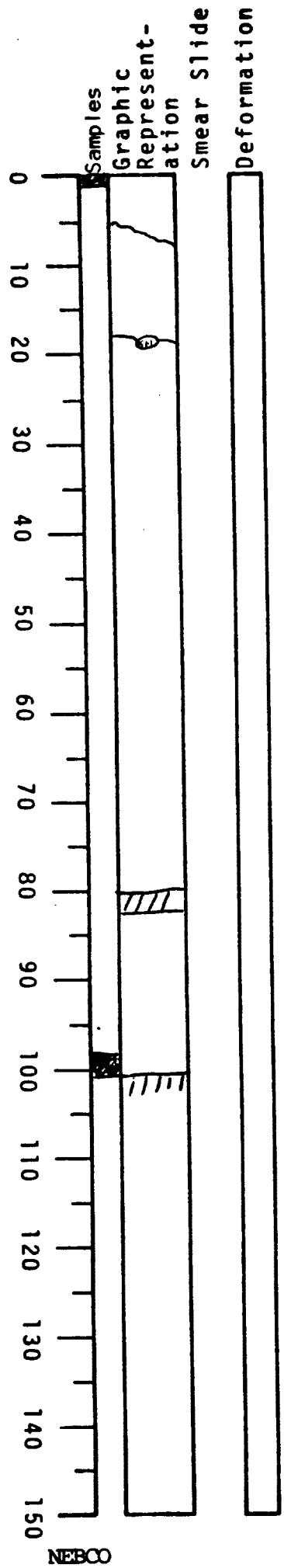
Dark sand lens
178/180-251 cm Mottled green mud 5GY5/2 with olive mud
10Y5/4

Dark sand blebs

VISUAL CORE DESCRIPTION

LOCATOR								SAMPLE NO.					SEC.
S	1	5	-	7	9	N	C			2	1	P	7

STATION#				OBSERVER
		2	1	Wilde



0-5/7 Green mud soupy 5GY5/2

5/7-101 cm Green mud 5GY5/2

Water break 18 cm Mottled with olive mud 10Y5/4

85-87 cm Water gap

101 cm Bottom