

W519

ATTACHMENT TO
WELL SUMMARY
SNAPPER-1 (W519)

02 JUN 1988

SNAPPER

Core Photographs

Core was restored, photographed and
catalogued by A. Kent, Production Geology

Sept./Oct. 1980

SNAPPER 1 + 2

COLOUR STANDARDS

FILED IN W 519, SNAPPER-1

PE905021

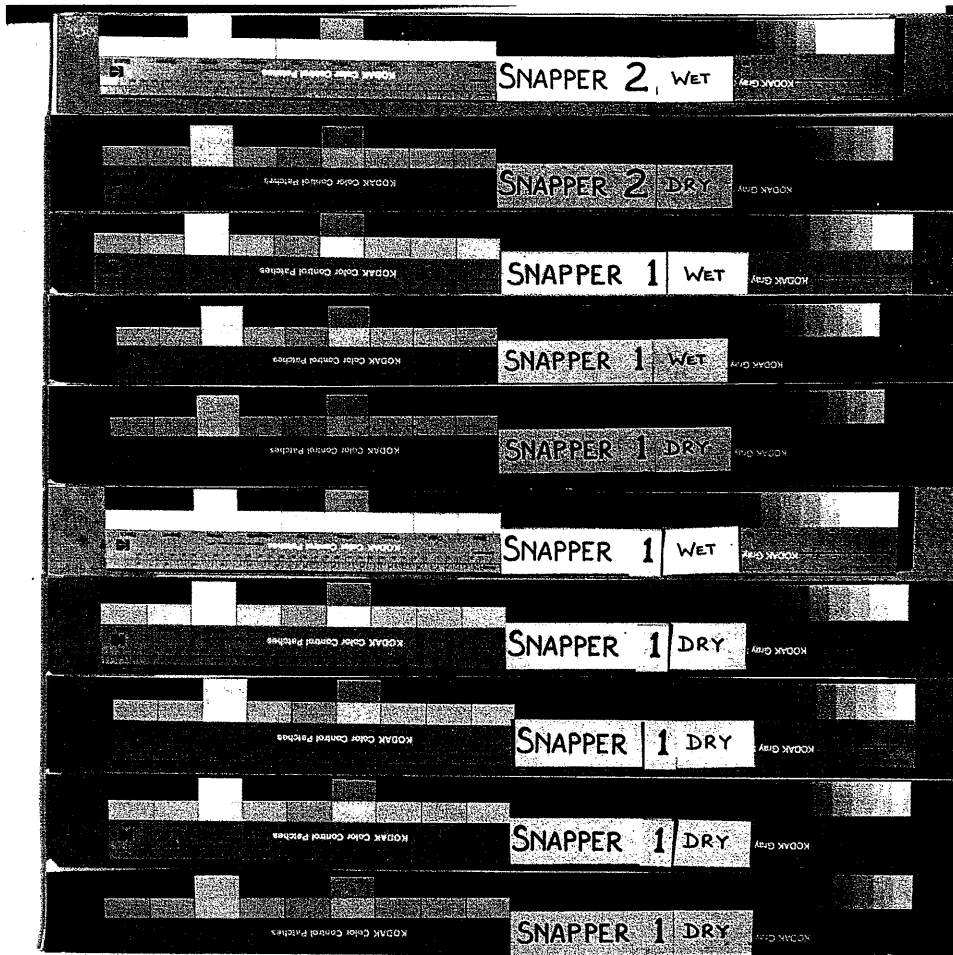
This is an enclosure indicator page.
The enclosure PE905021 is enclosed within the
container PE905020 at this location in this
document.

The enclosure PE905021 has the following characteristics:

ITEM_BARCODE = PE905021
CONTAINER_BARCODE = PE905020
NAME = Colour Chart
BASIN = GIPPSLAND
PERMIT =
TYPE = WELL
SUBTYPE = DIAGRAM
DESCRIPTION = Colour Chart for wet and dry core
(enclosure from Snapper Core photographs
Report) for Snapper-1 & 2
REMARKS =
DATE_CREATED = 31/10/80
DATE_RECEIVED = 2/06/88
W_NO = W519
WELL_NAME = SNAPPER-1
CONTRACTOR =
CLIENT_OP_CO = ESSO AUSTRALIA LIMITED

(Inserted by DNRE - Vic Govt Mines Dept)

02 JUN 1988



DEPT. NAT. RES & ENV

PE905021

CORE DESCRIPTIONS

ESSO STANDARD OIL (AUSTRALIA) LTD.

CORE DESCRIPTION

Core No. 1

WELL: Snapper #1

Interval Cored 4060-4090 ft., Cut 30 ft., Recovered 8" (27%) Fm. Latrobe

Bit Type C-20, Bit Size 8 1/2 in., Desc. by HL Date 31 May 62

Depth & Coring Rate (min./ft.)	Graphic (1" = 5')	Shows	Interval (ft.)	Descriptive Lithology
<p>4060</p>		<p>☒</p>	<p>Sandstone; gray-dark gray, m.-c. gra., w/fine granules, sh. mica concs, few dark lithics, & carb flecks. Vary hard and massive. 80% etz grains, clear-frosted, ea-ax. Shi dol. cement.</p> <p>No fluor. No cut. Poss faint odor. P&P poor to none.</p>	

REMARKS:

ESSO STANDARD OIL (AUSTRALIA) LTD.

CORE DESCRIPTION

Core No. 2

WELL: Snapper A-1

Interval Cored 4090 - 4115 ft., Cut 25 ft., Recovered 18 ft., (72 %) Fm. Letrobe

Bit Type C-20, Bit Size 8 1/2 in., Desc. by H.L. Date 31 May 68

Depth & Coring Rate (min./ft.)	Graphic (1" = 5')	Shows	Interval (ft.)	Descriptive Lithology
4090 2 4 6 8 10			4090-93	Shale, dark grey - black, very carbonaceous, silty, with scattered bands coarse grain sand. Firm - hard.
95		*	4093-95 1/2	Sandstone, gry - gry brown, m - c grain, w/ some granule and fine grain. Cleav - frosted, va - ex, very shaly, very carb, w/ coal frags, thin discontinuous streaks coal f shale
4100		*	4095 1/2 - 96	Coal, black, brittle, w/ small discontinuous band of c. grn sand.
05			4096 - 99	Shale, a a, $\frac{1}{2}$ w/ thin discontinuous bands of silt. Scattered small sand-filled burrows.
10		*	4099 - 4101 1/2	Sandstone, a a
15			4101 1/2 - 4104	Coal, black, brittle.
			4104 - 06	Sand, a a
				Coal and sand broken in barrel.
				No fluor. Good gas odor & taste. Weak - fair cut, w/ uneven v. pale yel fluor. P & P poor to fair.

REMARKS:

ESSO STANDARD OIL (AUSTRALIA) LTD.

CORE DESCRIPTION

Core No. 4

WELL: Snapper A-1

Interval Cored 4135-4160 ft., Cut 25 ft., Recovered 22 ft., (87 %) Fm. Letrobe

Bit Type C-20, Bit Size 8 15/16 in., Desc. by H. L. Date June 1, 68

Depth & Coring Rate (min./ft.)	Graphic (1" = 5')	Shows	Interval (ft.)	Descriptive Lithology
0 2 4 6 8 10			4135-4142	Sandstone, grey, v.f. - m. grn, clear-frosted, sa-si micaceous, argillaceous. Scatter coal chips. Soft to unconsolidated. Scot pyrite. 90% Qtz. Massive.
40		☀	4142-43	Shale, grey-black, silty, hard. Numerous, even parallel & discontinuous laminae of silt and v.f. grains. Sand-filled burrows.
45			4143-46	Coal, black, hard to brittle.
50			4146-47	Shale, grey-brown, silty, carb, hard.
55		☀	4147-57	Sandstone, lt. grey, v.f. grn - silt size, w/few scat m-c grn, c-f, sa-ar, micaceous, tr. pyrite, argillaceous. Soft to unconsolidated. 70-90% Qtz. Massive. From 4165-67 Silt size dominant.
60			At 4162, 3" of banded shale & silt, showing ripple marks.	
			At 4167, 2" on bottom a shale, olive grey, waxy, hard-brittle carbonaceous.	
			No fluor. Good odor & taste. Weak cut w/ uneven pale fluor. P&P poor to good.	

REMARKS:

ESSO STANDARD OIL (AUSTRALIA) LTD.

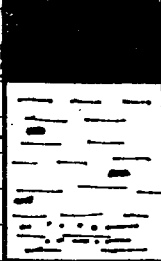
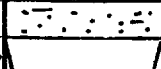


CORE DESCRIPTION

Core No. 5

WELL: Snapper A-1

Interval Cored 4160-86 ft., Cut 26 ft., Recovered 9 ft., (33 %) Fm. Lotrobe

Bit Type C-20, Bit Size 8 15/16 in., Desc. by H.L. Date June 3, 68

Depth & Coring Rate (min./ft.)	Graphic (1" = 5')	Shows	Interval (ft.)	Descriptive Lithology
0	4160			
			4160-63	Coal, black, hard-brittle.
65			4163-68	Shale, olive-grey brown, silty, carbonaceous, few coal laminae horizontal & vertical, coal chips, silty micaceous. Firm-brittle.
70		☀	4168-69	Sandstone, grey, v.f. grain to silt size, c-f, ss-sr, numerous shale & carb. lam, silty micaceous. Unconsolidated. The sand is very clean.
75				Good odor & taste. No fluor. Very weak cut. P&P good
80				
85				

REMARKS:

ESSO STANDARD OIL (AUSTRALIA) LTD.

CORE DESCRIPTION

Core No. 6

WELL: Snapper A-1

Interval Cored 4186 - 4228 ft., Cut 42 ft., Recovered 6" ~~ft.~~ (1 %) Fm. Latrobe

Bit Type C-20, Bit Size 8 5/16 in., Desc. by H. L. Date June 3, 68

Depth & Coring Rate (min./ft.)	Graphic (1" = 5')	Shows	Interval (ft.)	Descriptive Lithology
<p>0</p> <p>4186</p> <p>90</p> <p>95</p> <p>4200</p> <p>05</p> <p>10</p> <p>15</p> <p>20</p> <p>25</p>				<p>6" Shale, brown - black, carbonaceous, w/ numerous coal laminae & frags, silty & micaceous.</p> <p>Strong odor, bleeding gas, no fluor.</p> <p>Error on driller. Over cored by 12 ft.</p>

REMARKS: 4228

CORE DESCRIPTION

Core No. B

WELL: SNAPPER A-1

Interval Cored 4258-4288 ft., Cut 30 ft., Recovered 21 ft., (70 %) Fm. LATROBE

Bit Type CHRISTENSEN, Bit Size B 5/16 in., Desc. by GENTILE & HICKS Date 5 JUNE 68

Depth & Coring Rate (min./ft.)	Graphic (1" = 5')	Shows	Interval (ft.)	Descriptive Lithology
0 2 4 8 16 32				
60			1'	Sandstone very silty, qz to lt qz, vt to silt size gls, w srt'd, sl fis, carb, mica, w/ sh lam, & abdt burrows, sm scale x-lam.
			2'	Coal, blk, brittle, conc frac.
			1'	ss, slty, aa, w/ occ c qrn, wavy sh lam, carb, some clay plogging.
			5/8'	ss. (as in top 1') grad. contact w/ abdt sd. filled burrows at base.
10'			2 1/2'	sh, v dk brn qz, sl fis, occ sd filled burrow, abdt sd filled burrows @ base. 3" band v carb @ base.
			2 1/2'	ss. lt qz, vt grad, sub rd, w srt'd, wavy carb lam, occ faint sm scale x-lam, occ faint burrow, fr & tk abdt sh la @ base.
			1/2'	coal black, brittle, conc. frac.
			3'	sh, dk brn qz, occ thin coal lam, occ sd filled burrow.
			3'	ss upper 1/2' buff, vt, sub ang to sub rd, mica, thin carb lam, q & p.
20'			1 1/2'	Lower 1/2' bf, m-c, sub ang to sub rd, fr to w srt. 5% lithics, q to ex visual & q k, no stn or cu.

REMARKS: CORE B had good odor & taste, No fluor, weak cut, w/ halo of v pale fluor.

ESSO STANDARD OIL (AUSTRALIA) LTD.

CORE DESCRIPTION

Core No. 9

WELL: SNAPPER A1

Interval Cored 4288 - 4318 ft., Cut 30 ft., Recovered 21 ft., (70 %) Fm. LATROBE

Bit Type CHRISTENSEN, Bit Size 8 5/16 in., Desc. by GENTILE & HICKS Date 5 JUNE 1968

Depth & Coring Rate (min./ft.)	Graphic (1" = 5')	Shows	Interval (ft.)	Descriptive Lithology
<p>0 2 4 8 16 32</p>			<p>21 sandstone, buff, med.-coarse grained, occasionally very coarse grained, ang-subrd, moderately sorted, very friable - unconsolidated, traces diss. pyrite, excellent visual ϕ & k weak cut. "Overall sand is not graded, there are very thin interbands (1") of coarse and granular sands."</p>	

REMARKS: Core 9 had fair odor immediately out of barrel; good taste, weak cut.

ESSO STANDARD OIL (AUSTRALIA) LTD.

CORE DESCRIPTION

Core No. 10

WELL: Snapper A-1

Interval Cored 4314-44 ft., Cut 30 ft., Recovered 24 ft., (71%) Fm. Latrobe

Bit Type C-20, Bit Size B 5/16 in., Desc. by H.L. Date June 18, 1968

Depth & Coring Rate (min./ft.)	Graphic (1" = 5')	Shows	Interval (ft.)	Descriptive Lithology
0 4314			5% Diesel in mud.	
30		☼	4314-4332	Sand; light grey, very fine - fine grain, unconsolidated, w/rare medium grain & rare mica & coal frags. Good sorting, very little matrix. Massive Good ϕ & K. No fluor. Strong diesel odor. Gas sand.
25		☼	4332-4332 1/2	Sandstone; grey-brown, firm-friable, fine-medium grain, clear-frosted, sa-ar, few coarse grains, few coal frags, lithias, micaceous 10-20% Clay matrix, grey, al dolomitic. Poor sorting. Fair ϕ & K. No fluor. Strong diesel odor. Weak cut giving v. pale uneven fluor. Gas sand.
30		☼	4332 1/2 - 4335	Coal; black, hard-brittle. Bleeding gas
35			4335-4337 1/2	Shale; dark grey, hard, carbonaceous, with parallel discontinuous laminae filled w/white & very fine grain sand.
40			4337 1/2 - 4338	Coal, black, hard-brittle.
44				

REMARKS:

CORE DESCRIPTION

Core No. 11

WELL: SNAPPER A-1

Interval Cored 4344-4368 ft., Cut 24 ft., Recovered 21 ft., (87.5 %) Fm. LATROBE

Bit Type C-8, Bit Size 8 5/16 in., Desc. by P.W.W. R.S. Date JUNE 19 1968

Depth & Coring Rate (min./ft.)	Graphic (1" = 5')	Shows	Interval (ft.)	Descriptive Lithology
4344			4344-4345	Coal: grading from black, massive with shiny lustre and conchoidal fracture to dull black, fissile very shaly coal with imprints of plant fragments.
50			4345-4355	Interbedded siltstone and mudstone with several thin 10' coal seams. Either siltstone or mudstone may predominate over short intervals. Siltstone: light grey to brown grey, firm, quartzose with some very fine sand grains, carbonaceous material scattered throughout with some concentrations providing lamination, argillaceous, appears tight, trace of pyrite Mudstone: brown grey to dark brown, firm, silty, micromicaceous, very carbonaceous with flecks scattered throughout and some horizontal laminae defined by elongated carbonaceous stringers. Both the mudstone and siltstone are commonly burrowed burrows often infilled with cleaner appearing, less carbonaceous siltstone and very fine sandstone, lamination often disrupted by vertical burrows.
55				Coal: as 4344-4345
60			4355-4365	Coal: black, conchoidal fracture, argillaceous in part, generally dull appearance.
65			4365-4368	Lost core 3'

REMARKS: Coring rate uncertain as later revised total depth of core from 4374 to 4368

ESSO STANDARD OIL (AUSTRALIA) LTD.

CORE DESCRIPTION

Core No. 12

WELL: SNAPPER A-1

Interval Cored 4368-4399 ft., Cut 31 ft., Recovered 31 ft., (100%) Fm. LATROBE

Bit Type C-8, Bit Size 8 5/16 in., Desc. by D.W.W. RS Date JUNE 19, 1968

Depth & Coring Rate (min./ft.)	Graphic (1" = 5')	Shows	Interval (ft.)	Descriptive Lithology
4368	3 6 9 12		4368-4373	Coal: dark brown to black, hard, conchoidal fracture, 5' dull earthy to bright vitreous lustre
70			4373-4376	Mudstone: medium grey to grey brown, firm, non calcareous, some smooth slickensiding surfaces, weakly carbonaceous with several coaly seams
75			4376-4382	Coal: black, hard and brittle, conchoidal fracture, 6' dull to shiny vitreous lustre.
80			4382-4386	Mudstone: light to medium grey, firm, micromicaceous 4' non calcareous, rare carbonaceous plant imprints
85			4386-4399	Sandstone: light grey, quite firm at top of 13' sand but becoming softer and crumbling readily between the fingers at the base, grain size varies from very fine at the top through medium grained to coarse to very coarse at the base, moderately well sorted, subangular to subround, quartzose with small number of black coal(?) chips throughout, micaceous, fine carbonaceous laminae often exhibiting small ripples in upper portion of sand, unit becoming massive at base trace of disseminated pyrite as well as concretions argillaceous matrix which may reduce porosity, porosity and permeability appear good, no fluorescence.
90			Average penetration rate 6.5 minutes per foot	

REMARKS:

ESSO STANDARD OIL (AUSTRALIA) LTD.

CORE DESCRIPTION

Core No. 13

WELL: SNAPPER A-1

Interval Cored 4399-4427 ft., Cut 2.8 ft., Recovered 0.5 ft., (...2%) Fm. LATROBE

Bit Type C.B., Bit Size 8 5/16 in., Desc. by P.W.W. R.S., Date JUNE 20 1968

Depth & Coring Rate (min./ft.)	Graphic (1" = 5')	Shows	Interval (ft.)	Descriptive Lithology
			<p>4399-4399.5 0.5'</p>	<p>Sandstone: grey brown, coarse to very coarse subangular to subround, well sorted, quartzose with a trace of coal chips scattered throughout, very slightly micaceous, soft and breaks up readily, mainly massive in appearance but there are several horizontal carbonaceous laminae, slightly argillaceous, good porosity and permeability, no fluorescence, possible weak cut.</p> <p>Core washed away</p> <p>Average penetration rate 7 minutes per foot</p> <p>Heavy torque belled bottom stabilizer and ring grooved bit owing to junk in hole</p>

REMARKS:

ESSO STANDARD OIL (AUSTRALIA) LTD.

CORE DESCRIPTION

Core No. 14

WELL: SNAPPER A-1

Interval Cored: 4427 - 4437 ft., Cut: 1.0 ft., Recovered: 0.0 ft., (0%) Fm. LATROBE

Bit Type: C 2.0, Bit Size: 8 5/16 in., Desc. by: D.W.W. R.S. Date: JUNE 20 1968

Depth & Coring Rate (min./ft.)	Graphic (1" = 5')	Shows	Interval (ft.)	Descriptive Lithology
<p>4427</p> <p>4437</p>				<p>No recovery Total coring time 1 1/2 hours Average coring rate 9 minutes per foot</p>

REMARKS:

ESSO STANDARD OIL (AUSTRALIA) LTD.

CORE DESCRIPTION

Core No. 16

WELL: SNAPPER A-1

Interval Cored 4474-4502 ft., Cut 28 ft., Recovered 3 ft., (11.1%) Fm. LATROBE

Bit Type C 8, Bit Size 8 5/16 in., Desc. by D.W.W. R.S. Date JUNE 21, 1968

Depth & Coring Rate (min./ft.)	Graphic (1" = 5')	Shows	Interval (ft.)	Descriptive Lithology
<p>4474 2 4 6 8</p>			<p>4474-4477 3</p> <p>4477-4502 25'</p>	<p>Sandstone: light grey, massive, very friable, coarse to pebble size, mainly coarse to very coarse, sub angular to subround, poor to moderate sorting, quartzose, argillaceous, slightly micaceous, good porosity and permeability, no fluorescence, good odor.</p> <p>Last core</p>

REMARKS:

ESSO STANDARD OIL (AUSTRALIA) LTD.

CORE DESCRIPTION

Core No. 18

WELL: SNAPPER A-1

Interval Cored 4546-4577 ft., Cut 31 ft., Recovered 15 ft., (48%) Fm. LATROBE

Bit Type C 20, Bit Size 8 5/16 in., Desc. by D.W.W. R.S. Date JUNE 22, 1968

Depth & Coring Rate (min./ft.)	Graphic (1" = 5')	Shows	Interval (ft.)	Descriptive Lithology
4546			4546-4547	Sandstone: dark brown grey, firm, fine to very coarse grained, subangular to subround, poor sorting, extensive shaley and carbonaceous laminae, burrowed, fair porosity and permeability, uneven patchy blue fluorescence confined to infilled burrows and sandstone laminae, fair cut. One 4" grey silty mudstone interbed
50			4547-4561	Sandstone: light grey to brown grey, moderately firm to very friable, fine-medium-coarse grained, quartzose, subangular to subround, moderately well sorted, fine grained with carbonaceous laminae and evidence of burrowing in upper 3 feet otherwise massive, excellent porosity and permeability, 4547-4550 fair fluorescence and fair cut, 4550-4553 no fluorescence and no cut, 4553-4561 solid bright blue fluorescence and excellent cut micaceous, argillaceous in part.
60				
65				
70				
75				

REMARKS:

ESSO STANDARD OIL (AUSTRALIA) LTD.

CORE DESCRIPTION

Core No. 15

WELL: SNAPPER A-1

Interval Cored 4445-4474 ft., Cut 29 ft., Recovered 23 ft., (.79%) Fm. LATROBE

Bit Type C 8, Bit Size 8 5/16 in., Desc. by D.W.V. R.S. Date JUNE 21, 1968

Depth & Coring Rate (min./ft.)	Graphic (1" = 5')	Shows	Interval (ft.)	Descriptive Lithology
4445 3 6 9 12			4445-4447	Mudstone: light yellow brown, firm, non calcareous, very slightly micromicaceous, carbonaceous
50			4447-4448	Coal: dark brown to black, finely laminated, argillaceous, conchoidal fracture, shiny to dull earthy appearance
55			4448-4450	Mudstone: light olive grey, firm, non calcareous, carbonaceous, massive
60			4450-4459	Mudstone with thin siltstone interbeds, light to dark brown grey, laminated appearance due to color variation, siltstone beds are light colored, black carbonaceous laminae with pyrite associated in some cases, laminations vary from horizontal to approximately 8°, non calcareous, silty, carbonaceous, burrowed, burrows more numerous towards top of unit and often infilled with lighter colored non carbonaceous material, micaceous.
65			4459-4468	Sandstone: light grey to brown grey, very friable, medium to pebble size with coarse to very coarse dominant, sub angular to sub round, poor to moderate sorting, essentially quartzose with a trace of coal chips, slightly micaceous, good porosity and permeability, no fluorescence, slightly argillaceous.
70			4468-4474	Lost core
4474				

REMARKS:

Interval Cored 4502 - 4546 ft., Cut 44 ft., Recovered 22 ft., (.50 %) Fm. LATROBE

Bit Type c.e., Bit Size 8 5/16 in., Desc. by D.W.W. RS Date JUNE 21, 1968

Depth & Coring Rate (min./ft.)	Graphic (1" = 5')	Shows	Interval (ft.)	Descriptive Lithology
4502			4502 - 4502.5	Sandstone: light brown grey, firm, medium grained + pebble size, poor sorting, subangular to subround micaceous, argillaceous, good porosity and permeability, no fluorescence.
05			0.5'	
10			4502.5 - 4503.5	Shale: dark brown grey, firm, micaceous, carbonaceous non calcareous, coarse floating sand grains, small patches of medium sand possibly infilled burrows
15			1'	
20		•	4503.5 - 4513	Sandstone: light grey, moderately firm to friable, massive, quartzose with a trace of coal chips, medium to coarse grained, subangular to subround good sorting, micaceous, a few pyrite blebs, good porosity and permeability, no fluorescence
25			9.5'	
30		•	4513 - 4522	Sandstone: light brown grey to dark brown grey and black, moderately firm, fine grained, subangular to subround, moderate sorting, micaceous, argillaceous carbonaceous streaks and laminae, occasional very shaly and carbonaceous intervals, extensively burrowed, burrows often infilled with lighter colored sand, fair porosity and permeability, patchy blue fluorescence from 4518.
35			9'	
4522			4522 - 4523	Sandstone: brown, firm, medium to coarse grained with occasional pebble, poor sorting, argillaceous, micaceous, carbonaceous, fair porosity and permeability, pin point blue fluorescence
4523			1'	
4523			4523 - 4524	Shale: black, carbonaceous, firm, micaceous silty, pyritic, extensively burrowed, burrows infilled with fine to coarse grained sand.
4524			1'	
4546	REMARKS:		4524 - 4546	Lost core: core may have been lost at top rather than bottom
			22'	

ESSO STANDARD OIL (AUSTRALIA) LTD.

CORE DESCRIPTION

Core No. 19

WELL: SNAPPER A-1

Interval Cored 4577 - 4607 ft., Cut 30 ft., Recovered 14 ft., (47 %) Fr. LATROBE

Bit Type C.2.0, Bit Size 8 5/16 in., Desc. by D.W.V. R.S. Date JUNE 23, 1968

Depth & Coring Rate (min./ft.)	Graphic (1" = 5')	Shows	Interval (ft.)	Descriptive Lithology
4577 3 6 9 12			4577 - 4580	Sandstone: brown grey, unconsolidated, quartzose
		•	3'	course to very coarse, subangular to sub round, good sorting, good porosity and permeability, feels oily, good blue fluorescence, good cut, good odor.
80			4580 - 4588	Shale: light brown grey to dark brown grey,
			8'	firm, lamination due to color alternation, micaceous, carbonaceous streaks, plant (leaf?) imprints on bedding surfaces, pyritic blebs and occasionally pyrite along laminae, non calcareous.
90		•	4588 - 4591	Sandstone: brown grey, unconsolidated except
			3'	for 4" piece in core catcher, quartzose, medium to coarse grained, subangular to subround, good sorting, argillaceous, good porosity and permeability, good fluorescence, good cut, good odor.
95				
4600				
05				

REMARKS:

ESSO STANDARD OIL (AUSTRALIA) LTD.

CORE DESCRIPTION

Core No. 20

WELL: SNAPPER A-1

Interval Cored 4607 - 4642 ft., Cut 35 ft., Recovered 24 ft., (.69 %) Fm. LATROBE

Bit Type C.20, Bit Size 8 5/16 in., Desc. by D.W.W. R.S. Date JUNE 24, 1968

Depth & Coring Rate (min./ft.)	Graphic (1" = 5')	Shows	Interval (ft.)	Descriptive Lithology
4607		•	4607-4613 6'	Sandstone: light grey, firm, quartzose, very fine to fine grained, subangular to sub round, well sorted, argillaceous in part, a few carbonaceous streaks, pebble beds with subround quartz pebbles, massive, good porosity and permeability, no fluorescence to faint spotty blue fluorescence
10			4613-4614.5 1.5'	Shale: light grey and dark brown, firm, firm, non calcareous, carbonaceous, pebble interbeds,
15		•	4614.5-4617 2.5'	Sandstone: light grey with light brown grey laminar laminae at about a 10° angle, firm, fine to medium grained, argillaceous, micaceous, pyritic, occasional pebble bed, fair porosity and permeability, no fluorescence noted
20		•	4617-4623 6'	Sandstone: light grey, very hard, massive, quartzose, fine to medium grained, subangular to subround, good sorting, disseminated pyrite, trace black (coal?) grains, micaceous, fair porosity and permeability, spotty blue fluorescence, faint c.
25			4623-4624 1'	Sandstone: dark brown grey, firm, fine to very coarse grained, poor sorting, very argillaceous and carbonaceous, very pyritic, poor porosity and permeability, very spotty pin point fluorescence.
30			4624-4628 7'	Sandstone: light grey, very hard, fine to very coarse grained with some pebblesize, poor sorting, sub angular to subround, quartzose, argillaceous, micaceous, pyritic-disseminated, massive, good to fair porosity and permeability, spotty fluorescence, faint cut.
35				
40				
4642				

REMARKS:

ESSO STANDARD OIL (AUSTRALIA) LTD.

CORE DESCRIPTION

Core No. 22

WELL: SNAPPER A-1

Interval Cored 5884-5915 ft., Cut 31 ft., Recovered 31 ft., (100%) Fm. LATROBE

Bit Type C-20, Bit Size 8 5/16 in., Desc. by R.V. Hicks Date 17 JULY 1968

Depth & Coring Rate (min./ft.)	Graphic (1" = 5')	Shows	Interval (ft.)	Descriptive Lithology
5884			1'	siltstn, v. arg, sdg, v lt-brn gy, w/mot wh specks. f disim carb mat. wavy discontinuous lam & occ burror.
			3'	ss, some interstitial clay, bf-vlt gy. vt-f, sub ang to sub rd, occ v thin carb bed, wavy carb lam, w/ blu wh flour along lam p-crush cut. v faint X-lam.
			3'	ss massive, bf-lt gy, vt-f, sub ang to sub rd, w srt'd, mod h scat. carb mat. some clay intstl, occ carb lam, faint large X-b.
5910			8"	shale gy blk, v carb, fig hd
			4"	coal
			11'6"	ss, lt gy, vt-f, sub ang to sub rd, w srt'd mhd sl mica, some clay intstl, disim carb mat. NS inc f grading down occ v thin sh lam
			8'6"	siltstn, lt gy, silt-vt gr gte, wavy sh lam, and abdt burror, carb sh lam inc downward.
5915			3'	sh, dk brn gy. carb w/ ppt debris, w/ wavy silt lam & occ silt & sd filled burror becoming v carb at base.

REMARKS: Flour appears to be associated w/ carb lam and confined & held by clay. Interpret: hydrocarbon was forced from rich carb lam and bound up in intstl clay in sand bordering lam.

ESSO STANDARD OIL (AUSTRALIA) LTD.

CORE DESCRIPTION

Core No. 24

WELL: STRAPPER A-1

Interval Cored 7748-7777 ft., Cut 29 ft., Recovered 26 ft., (90%) Fm. L.Y.

Bit Type Diamond, Bit Size 8 5/16" in., Desc. by W. H. Nixon Date July 26, 68

Depth & Coring Rate (min./ft.)	Graphic (1" = 5')	Shows	Interval (ft.)	Descriptive Lithology
0			7748-51.5	Carbonaceous Silty Mudstone: dk gry, v. hard - well compacted; m. micaceous, Abundant coaly flecks: becomes more silty downward, rare possible burrows, Cb. plant remains on bdg surface
50			7751.5-53	Ss: lt gry brn v. f-c.g., generally well sorted coarse grains occur in discontinuous bands, a-r, Well lithified, Kaol m. Wavy continuous shaly coal laminae & Occ. discontinuous coal veinlets. Coal is black, brittle, anthracitic; Occasional slight HC. in ss adj to veinlets
55			7753-54	Interlam Silty Mudst & ss ss: lt gry, f-mg, Kaol mtrx, flecks of kaol dissem throughout suggest alteration after felspar.: burrowed:
60			7754-61.5	Argill Slst: lt brn gry - ol gry: v. tough & comp coalified plant remains: fairly extensively burrowed locally with sandy lenses marking burrowing 6" tk sand lense at 7760'
65			7761-63.5	Int. ss & silty mudst as in 53-54 int (burrowed)
70			7763.5-64	Silty Mudstone: dk brn gry, carbon., mm, coal plant remains (burrowed)
75			7764-65	Ss & Mudstone: aa, extensively churned & burrowed: much coaly plant remains
77			7765-66	Arg Slst: lt brn gry - ol gry as in 54-61.
			7766-69	Ss: lt brn gry: f-c.g. extensively churned & reworked: Abund carbonaceous debris, pyrite nodules to 1/2" across. Much kaol matrix, mica, non calc lower contact gradational
			7769-74	(Interval fell from barrel, jumbled Silty Mudst: dk brn gry - dk ol gry: very tough - well compacted: Coaly plant remains as above, occ leaf impressions on bdg surfaces. In part discant silty sandy lensoid masses marking burrowing; Som dk brn gry layers v. rich in carbonaceous material grading to coal

REMARKS: Canned Samples: S @ 7759.5
P @ 7772

ESSO STANDARD OIL (AUSTRALIA) LTD.

CORE DESCRIPTION

Core No. 25

WELL: SNAPPER A-1

Interval Cored 8467-98 ft., Cut 31 ft., Recovered 31 ft., (100%) Fm. L-X.

Bit Type DIAMOND, Bit Size 8 3/16 in., Desc. by W H NIXON Date JULY 29-68

Depth & Coring Rate (min./ft.)	Graphic (1" = 5')	Shows Structures	Interval (ft.)	Descriptive Lithology
67.0	mm — ... U		8467-80	Siltstone Ltgy-gy, v. tough & compact, carbonaceous & micaceous: grades to ss in pt Ltgy vfg-mg much clay mat
70	mm — — mm m U — m			carbon. mica & Silty Mudstone dk bn gry cb & mica Extensively burrowed, bnry mudstone commonly infilling burrows Occ. thin coaly lenses & carbonised plant remains, Ss layers show current ripple laminae: pyrite nodules
	mv — ... mv m — — m		8480-81	Ss Ltgy vf-cg abund Kaol mtrix, very carbonaceous non calc, tough & compact cut by thin veinlet of mob. coal or pyrobitumen, Ext. burrowing.
	mv — — m		8481-83.5	Silty Mudstone: grading to Arg Sltst bn gry, burrowed, carbon. plant remains as above.
80 m — — m m	— — —	8483.5-87	Ss; Ltgy, m-cg, f.w.s., A-r, Kaol mtr dark col. lithic grains, Min flour. No Pet. Odour; Carbonaceous flecks & grains, carbonaceous laminae, burrows coarse grained bands grade finer upward (2-3" + k) - No overall grading
 m — — m m U — m	— — — —	8487-96	Argill Sltst: → Silty Mudstone: dk bn gry - gry - extensive burrowing, carbonaceous, mica, carbonised plant remains as in interval 67-80
90	m U — m m U — m m — m	— — — — — —	8496-98	Ss: Ltgy, m-cg., soft, wh kaol matrix, dark lithic grains, in part dol cement tubular layers & irreg. zones of dolomitisation (reflecting burrowing). No Petrol. Odour. Mineral Fluorescence: Carbonaceous.

REMARKS: 2 Canned Samples: 1 Pal. & 1 Source. & P.R.E.

ESSO STANDARD OIL (AUSTRALIA) LTD.

CORE DESCRIPTION

Core No. 26

WELL: SNAPPER A-1

Interval Cored 9241 - 9259 ft., Cut 19 ft., Recovered 16 ft., (89% Fm. LATROBE

Bit Type C 20, Bit Size 8 5/16 in., Desc. by P.W.W. S.J.B. Date AUGUST 2, 1968

Depth & Coring Rate (min./ft.)	Graphic (1" = 5')	Shows	Interval (ft.)	Descriptive Lithology
0 3 6 9 12			9241-9251	Sandstone: brown grey, moderately hard to crumbly, medium to granule grain size with occasional pebble, mainly coarse to very coarse grained, angular to sub round, quartzose with very minor dark lithic grains trace pyrite, white to brown stained argillaceous matrix, massive with occasional horizontal to slightly inclined bedding, occasional pebble bands, fair porosity and permeability, good bright blue yellow fluorescence, good immediate blue yellow cut, definite staining, petroliferous odor, core bubbling gas.
50			9251-9254	Siltstone grading to silty shale: medium to dark grey to brown grey, hard, noncalcareous, trace pyrite, horizontal to slightly inclined bedding, coal laminae at 9252'. Coal: black, hard, brittle, conchoidal fracture and bleeding gas.
55			9254-9257	Shale: medium to dark grey, moderately hard, silty in part, carbonaceous laminae, non calcareous, micaceous good plant imprints, small local fractures
9259			9257-9259	Lost core

REMARKS:

ESSO STANDARD OIL (AUSTRALIA) LTD.

CORE DESCRIPTION

Core No. 2.7

WELL: SNAPPER A-1

Interval Cored 9259 - 9290 ft., Cut 31 ft., Recovered 31 ft., (100 % Fm. LATROBE

Bit Type C 20, Bit Size 8 5/16 in., Desc. by D.W.W. B.J.B. Date AUGUST 3, 1968

Depth & Coring Rate (min./ft.)	Graphic (1" = 5')	Shows	Interval (ft.)	Descriptive Lithology
0			9259 - 9261.5	Shale: brown grey, hard, silty, slightly micaceous, non calcareous, coaly streaks and laminae, occasional pyrite blebs most often associated with coal, coalified plant imprints.
2.5			2.5'	
65			9261.5 - 9262.5	Siltstone: dark brown grey, hard, argillaceous, grading to very fine grained sand, carbonaceous, slightly micaceous, non calcareous, extensively burrowed.
1'			1'	
70			9262.5 - 9279	Sandstone: light grey with some buff, hard, v. fine to granular grained, grain size increases with depth, quartzose with occasional dark lithic grain, angular to sub round, fair to moderate sorting, very slightly dolomitic in part, abundant argillaceous matrix, thin horizontal carbonaceous lam in top 2 feet but otherwise massive with only occasional lami interbedded coal and plant fragments in bottom 1', poor porosity and permeability. 9262.5 - 9275 good pin point fluores with occasional laminae up to 2" thick of yellow fluorescence good cut; 9275 - 9279 solid to patchy yellow fluoresce good cut, staining, light petroleum odor.
75			9279 - 9284	Interbedded siltstone and very fine grained sandstone light brown to light grey, sandstone is lighter colored, hard, argillaceous, carbonaceous laminae, horizontal bedding, pyrite blebs, occasional burrow, no show.
80			5'	
85			9284 - 9290	Sandstone: light grey, firm to crumbly, medium to granular grained, quartzose with trace dark lithics, subangular to sub round, poor to fair sorting, carbonaceous, slightly dolomitic, abundant white and brown argillaceous matrix, poor porosity and permeability, 9284 - 9286 pin point fluorescence good cut; 9286 - 9288 good solid yellow fluoresce good cut, staining; 9288 - 9290 very slight pin point fluorescence, no staining, no cut.
9290			6'	

REMARKS:

ESSO STANDARD OIL (AUSTRALIA) LTD.

CORE DESCRIPTION

Core No. 28

WELL: SNAPPER A1

Interval Cored 9882 - 9903 ft., Cut 21 ft., Recovered 21 ft., (100%) Fr. LACROSS

Bit Type C-8, Bit Size 9 5/8 in., Desc. by WFT Date

Depth & Coring Rate (min./ft.)	Graphic (1" = 5')	Shows	Interval (ft.)	Descriptive Lithology
0 9880				
9885			9882 - 9885' SANDSTONE	Qtz WACKE, white to lt grey f-med. grained occ vcs - cks sa qtz, poorly sorted, abundant clay matrix, scattered lithic fragments + root feldspar. lens and clasts of dk chocolate + grey shale. Thin, wavy, discontinuous laminae of shale. No d + k. No show
9890			9885 - 9890' SHALE	+ Qtz WACKE, shale is dk-med grey sl. silty in part, sl. db, very hard
9895			9890 - 9895' SANDSTONE	with some thin sh laminae at the top. The SANDSTONE is lt grey to brown, grading downwards from fine-med to cks-vcs. Abundant clay matrix, scattered lithic fragments. At approx 9895' have a 3"-4" SHALE band as.
9900			9895 - 9900' SANDSTONE	Poor d + k. Strong yellow + lt blue floor, immediate
9903			9900 - 9903' SHALE	dk chocolate brown and a grey, sl silty in part, abundant scattered db. remains, root wottlings + debris. Also thin laminae of coal. Hard, fissile, splintery

REMARKS:

CORE DESCRIPTION

Core No. 29

WELL: SNAPPER A1

Interval Cored 10,389' - 10,415' ft., Cut 26 ft., Recovered 25 ft., (95%) Fm. LATROSE

Bit Type C-8, Bit Size 8 7/8" in., Desc. by WFT Date _____

Depth & Coring Rate (min/ft.)	Graphic (1"=5')	Shows	Interval (ft.)	Descriptive Lithology
0 10,385				
				10389-95' <u>SANDSTONE</u> (Qtz. WACKE) and thin <u>SHALE</u> .
90		●	89-90.	<u>SANDSTONE</u> , lt grey, f-med sa qtz, mod sorted, clay matrix, sl. silty, micaceous even textured. Minor thin lenses of coal. Thin <u>SHALE</u> bands dk grey, silty v. hard, evidence of cut + fill, slumpic and hydroplastic boudinage abundant clay clasts.
95		●		
			90-95	<u>SANDSTONE</u> and thin <u>SHALE</u> laminae. lt. br., crs-vcrs sa qtz with abundant clay matrix, mod sorted. lithic fragme clay clasts and cb. fragments disseminio throughout. Shale laminations give + ss a banded appearance. Banded str. H. blue flux and immediate lt. blue cut Brown oil staining probable.
10,400				
10,410		←	10,395 - 10,405	<u>SANDSTONE</u> (Qtz. WACKE) massive, white lt. grey, v.f.-f. silty in part, well-mod sorted, clay matrix, mica, lithic fragments common, sparse dolomitic cement. Generally very even textured, even para inclined bedding and large scale cross beds. Occasional thin even parallel laminations of <u>SHALE</u> . φ + K v. poor nos
15			10,405-15'	<u>SHALE</u> , dk grey and brown massive, cleaves easily along bedding planes which expose thin cb layers and imprints. Some even parallel laminations visible due to colour cha also slumpic and contorted bedding. v. hard.

REMARKS: _____

Interval Cored 10979-11009 ft., Cut 30 ft., Recovered 30 ft., (100 %) Fm. LATROBE(?)

Bit Type C-8, Bit Size 7 3/4" in., Desc. by A.K.S. & M.Z. Date 31.8.68

Depth & Coring Rate (min./ft.)	Graphic (1" = 5')	Shows	Interval (ft.)	Descriptive Lithology
0 10979 80			10979'-85'	DOLOMITE : light grey green, massive, hard, very well cemented, weakly argillaceous. Recrystallized with elongate pale grey-white dolomite crystals in very fine grained crypto-crystalline grey-green argillaceous dolomitic matrix. Dolomite crystals 1-3 mms some locally to 4mm. Random orientations. Some further recrystallization and cement along fractures and fissures. Very fine grained pyrite scattered throughout. Some very weak horizontal bedding.
85 90 95			85'-11000' 6"	SANDSTONE : light grey, fine to medium grained, angular to rounded quartz, moderate to well sorted, hard, well compacted, massive to weakly laminated, homogeneous with little grading. Arenaceous material dominantly quartz with very minor < 1% feldspar and lithics. Quartz - grey, clear to milky. Pale yellow clay matrix. Weakly micaceous, very weakly dolomitic, carbonaceous lamellae depicting inclined parallel laminae. Some small and large scale cross bedding, sub horizontal bedding. Local silty lamellae associated with cross bedding and carbonaceous laminae, and some leaf impressions. Weak to good odour, pinpoint to patchy pale blue to yellow fluorescence, moderate - good cut.
11000 05			11000' 6" - 11,001' 6"	Shaly SILTSTONE : dark grey, very hard, evenly laminated, carbonaceous, micaceous, homogeneous, well compacted, disseminated coaly stringers, some low angle cross bedding. Sharp top and basal contact.
09			11001' 6" - 11008'	SANDSTONE : As above with minor silty shale interbedded as above. Sharp basal contact. Show as in sandstone above.
			11008' - 11009'	SHALE : dark brown-grey, massive, hard, sub conchoidal fracture, carbonaceous flecks and disseminated lamellae, minor leaf impressions

REMARKS:

Note: Faults and microfaults, slickensided surfaces observed in sandstone and basal shale.



CORE ANALYSIS REPORT

COMPANY *ESSO STANDARD OIL (AUST) LTD.* COUNTY *AUSTRALIA.*

WELL *SNAPPER A.1.*

STATE *VICTORIA.*

FIELD *WILDCAT.*

TYPE OF CORE *DIAMOND* DIAMETER *4"*

DEPTH	LITHOLOGY	PERM. md.	POROS- ITY %	SATURATIONS		% GAS BULK VOL.	REMARKS
				%PORE SPACE OIL	WATER		
<i>CORR # 5 160-4186</i>	<i>CUT 26' REC. 9'</i>						
<i>4169</i>	<i>S.D. CLR-FROS-WHT-VF-FGR- RD-SUB ANGL-FRI TR OF MICA-PYR-CARB MAT'L</i>	<i>560</i>	<i>29%</i>	<i>-</i>	<i>66%</i>	<i>10%</i>	
<i>CORR - 6 186-4228</i>	<i>CUT 42' REC. 6"</i> <i>SHALE-BLACK-CARB.</i>						
<i>CORR - 7 229-58</i>	<i>CUT 30' REC. 27'</i>						
<i>4234</i>	<i>S.D-WHT-H 9Y VF-FGR</i>	<i>410</i>	<i>30</i>	<i>-</i>	<i>54</i>	<i>14</i>	
<i>4235</i>	<i>FRI, SUBRD-ANGL-P-W</i>	<i>720</i>	<i>33</i>	<i>-</i>	<i>53</i>	<i>16</i>	
<i>4236</i>	<i>SATD, NON CALC, SCAT CARB MAT'L- NUM ARGL AND</i>	<i>275</i>	<i>32</i>	<i>-</i>	<i>51</i>	<i>15.</i>	<i>→ NUM ARGL & CARB.</i>
<i>4237</i>	<i>CARB LAM, TR MICA, PYR</i>	<i>14</i>	<i>29</i>	<i>-</i>	<i>57</i>	<i>12</i>	<i>→ LAM.</i>
<i>4238</i>	<i>GOOD VISUAL P&P</i>	<i>450</i>	<i>23</i>	<i>-</i>	<i>46</i>	<i>12</i>	<i>→ "</i>
<i>4239</i>		<i>40</i>	<i>23</i>	<i>9</i>	<i>57</i>	<i>8</i>	<i>→ V/ARGL IN PT W/</i>
<i>4241</i>		<i>240</i>	<i>29</i>	<i>-</i>	<i>64</i>	<i>10</i>	<i>CARB MAT'L.</i>
<i>4242</i>		<i>450</i>	<i>28</i>	<i>-</i>	<i>60</i>	<i>11</i>	
<i>4244</i>		<i>500</i>	<i>26</i>	<i>-</i>	<i>64</i>	<i>10</i>	
<i>4245</i>		<i>10</i>	<i>27</i>	<i>5</i>	<i>60</i>	<i>9</i>	<i>→ V/ARGL IN PT W/ CARB MAT'L.</i>
<i>BR-1886</i>	<i>PRINTED IN USA</i>						



CORE ANALYSIS REPORT

COMPANY *Esso Standard O.L (Aust) Ltd* COUNTY *Australia*
 WELL *Snapper A-1* STATE *Victoria*
 FIELD *Wildcat* TYPE OF CORE *Diamond* DIAMETER *4"*

DEPTH	LITHOLOGY	PERM. md.	POROS-ITY %	SATURATIONS % PORE SPACE		% GAS BULK VOL.	REMARKS
				OIL	WATER		
Core-10 1314-44	Cut-30' Rec-24'						
4318	Sd- ltgy-uf-fgr fri.	335	29	-	49	15	
4332	g sttd. tr mica & coal frags	276	31	-	46	16	
Core-11 1344-68	Cut 24' Rec 21'						
4347	stst- gy. sh sdy in pt.	8	26	8	55	9	
4349	sh- slty in pt. carb.	2	29	9	44	13	
4355	sh- gy- slty / coal lam.	3	27	20	65	4	
Core-12 1368-99	Cut 31' Rec 31'						
4385	mudstone, ltgy hd non calc	21	13	-	99	.1	
4386	stst. gy- sdy in pt	192	20	-	71	5	
4387	stst- gy- luf sd, coal lam	160	23	17	52	7	
4388	sd. gy- uf-fgr slty	245	33	-	48	18	
4389	in pt. arg. tr mica	7	23	-	65	8	
4390	"	10	29	-	51	14	
4391	sd- ltgy- clr uf- m gr		28	-	64	10	Sd- too friable
4392	occ c gr, fri, w/strd-		28	5	53	12	for perm ANALYSIS
4393	p/strd, rd- Angl, occ		23	4	59	9	
4394	coal lam.		30	-	56	13	
4395			32	-	51	17	
4396			26	-	65	11	
4397			33	-	48	18	
4398			37	-	45	21	
4399			37	2	51	18	
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CORE ANALYSIS REPORT

COMPANY ESSO STANDARD OIL (AUST) LTD.
 WELL SNAPPER, A.I.
 FIELD WILDCAT.

COUNTY AUSTRALIA
 STATE VICTORIA

TYPE OF CORE DIAMOND DIAMETER 4"

DEPTH	LITHOLOGY	PERM. md.	POROS- ITY %	SATURATIONS % PORE SPACE		% GAS BULK VOL.	REMARKS
				OIL	WATER		
ORE # 13 399-4427	CUT- 28' REC 6'						
4399.	SD- CLR-WH, F-C GR- FRI, P. SRTD, ANGL- OCC PEBBLES, COAL FRAGS, TR MICA, G VIS POR.	-	25	-	66	8	SD- TOO FRIABLE FOR PERM ANALYSIS.
ORE # 14	NO RECOVERY. DRILLED ON JUNK.						
ORE # 15 445-4474	CUT 29' - REC: 23'						
4459	SD- CLR-WH, F-C GR: FRI,	-	33	3	48	15	
4460	P. SRTD- ANGL- OCC PEBBLES	-	29	3	62	10	
4461	COAL FRAGS, TR MICA GOOD	-	28	-	56	12	
4462	VISUAL POR.	-	22	8	62	7	
4463		-	25	-	56	11	
4464		-	25	-	60	10	
4465		1700	31	-	57	13	
4466		1600	26	-	63	10	
4467	SD- AS ABOVE.	-	29	-	51	14	
4468		-	28	-	51	14	
ORE # 16 474-4502	CUT 28' REC- 3'						
4475	SD- CLR-WH, F-C GR- OCC	2100	26	-	50	13	
4476	PEBBLES, ANGL- P. SRTD	-	25	-	60	10	
4477	NUM COAL FRAGS, G. VIS POR	-	26	-	61	10	
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CORE ANALYSIS REPORT

COMPANY ESSO STANDARD OIL (AUST) LTD
 WELL SHAPPER A.1
 FIELD WILDCAT

COUNTY AUSTRALIA
 STATE VICTORIA

TYPE OF CORE DIAMOND DIAMETER 4"

DEPTH	LITHOLOGY	PERM. md.	POROS- ITY %	SATURATIONS		% GAS BULK VOL.	REMARKS
				% PORE SPACE			
				OIL	WATER		
Core # 17 502-4546	CUT 44' REC-22'						
4502	SD-CLR-VC GR - BENT IN PT.	-	24	7	42	12	
4504		-	32	6	40	16	
4505	SD-CLR-WH VE-M/GR, WELL	1680	32	-	48	21	
4506	SRTD, ANGL FRI	840	33	-	45	20	
4507		670	32	-	45	15	
4508		-	38	-	61	10	
4509		-	31	-	62	11	
4510		560	30	-	58	12	
4511		570	34	-	52	14	
4512		380	30	-	59	12	
4513		-	28	-	57	12	
4514		-	30	-	50	14	
4515		-	31	-	47	17	
4516		430	25	-	60	10	
4517		650	24	-	60	17	
4518	SLT ST- LT GY, SDY IN PART	1080	20	4	72	5	
4519	ARGL IN PART	490	21	-	67	7	
4520		-	16	3	63	5	
4521		-	28	7	41	14	
4523	SD-CLR-WH-F-G/GR, OCC PEBBLES, ANGL & FRI	-	34	3	52	16	
4524	SLT ST. LT GY, SDY & ARGL IN PART	695	27	10	53	10	
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CORE ANALYSIS REPORT

COMPANY *Esso Standard Oil (Australia) Ltd* COUNTY *AUSTRALIA*
 WELL *SNAPPER # A-1* STATE *VICTORIA*
 FIELD *WILD CAT* TYPE OF CORE *DIAMOND* DIAMETER *4"*

DEPTH	LITHOLOGY	PERM. md.	POROSITY %	SATURATIONS % PORE SPACE		% GAS BULK VOL.	REMARKS
				OIL	WATER		
<i>ORE-24</i> <i>748-777</i>	<i>CUT 29' REC: 26'</i>						
<i>7752</i>	<i>SD-LT BRN-LT GY, F-MED GR</i>	<i>41</i>	<i>9</i>	<i>8</i>	<i>57</i>	<i>4</i>	
	<i>w/SCAT CRSE GR, CLY MTX HD.</i>						
<i>7760</i>	<i>SLT ST. L-MED GY-ARGL HD.</i>	<i>41</i>	<i>9</i>	<i>7</i>	<i>66</i>	<i>3</i>	
<i>ORE-25</i> <i>467-8498</i>	<i>CUT 31' REC 31'</i>						
<i>8484</i>	<i>SD-WHT-LT GY-F-C/GR</i>	<i>43</i>	<i>17</i>	<i>-</i>	<i>55</i>	<i>8</i>	
<i>8485</i>	<i>CLY MTX, HD TT.</i>	<i>1</i>	<i>15</i>	<i>-</i>	<i>59</i>	<i>6</i>	
<i>8496</i>		<i>41</i>	<i>17</i>	<i>-</i>	<i>54</i>	<i>8</i>	
<i>8497</i>	<i>SD-CAR-WHT, C-VC/GR, CONS TT.</i>	<i>75</i>	<i>20</i>	<i>-</i>	<i>60</i>	<i>8</i>	
	<i>P, 8RTD, ANGL.</i>						
<i>ORE-26</i> <i>1241-9259</i>	<i>CUT 18' REC 16'</i>						
<i>9242</i>	<i>SD-LT BRN-LT GY, F-M GR,</i>	<i>5</i>	<i>16</i>	<i>12</i>	<i>48</i>	<i>6</i>	
<i>9243</i>	<i>SUB RD-SUB ANGL, FAIR-P</i>	<i>4</i>	<i>17</i>	<i>17</i>	<i>45</i>	<i>7</i>	
<i>9244</i>	<i>8RTD, FRI-MED HD</i>	<i>4</i>	<i>16</i>	<i>14</i>	<i>45</i>	<i>7</i>	
<i>9245</i>		<i>16</i>	<i>16</i>	<i>13</i>	<i>43</i>	<i>7</i>	
<i>9246</i>		<i>5</i>	<i>16</i>	<i>17</i>	<i>42</i>	<i>7</i>	
<i>9247</i>		<i>2</i>	<i>16</i>	<i>18</i>	<i>44</i>	<i>6</i>	
<i>9248</i>	<i>SD-LT BRN-LT GY F-M-OC</i>	<i>39</i>	<i>17</i>	<i>14</i>	<i>41</i>	<i>7</i>	
<i>9249</i>	<i>C/GR</i>	<i>8</i>	<i>17</i>	<i>18</i>	<i>47</i>	<i>6</i>	
<i>9250</i>		<i>2</i>	<i>16</i>	<i>18</i>	<i>46</i>	<i>6</i>	
<i>9251</i>		<i>66</i>	<i>19</i>	<i>16</i>	<i>54</i>	<i>6</i>	
<i>3R-1886</i>	<i>PRINTED IN USA</i>						

SNAPPER-1

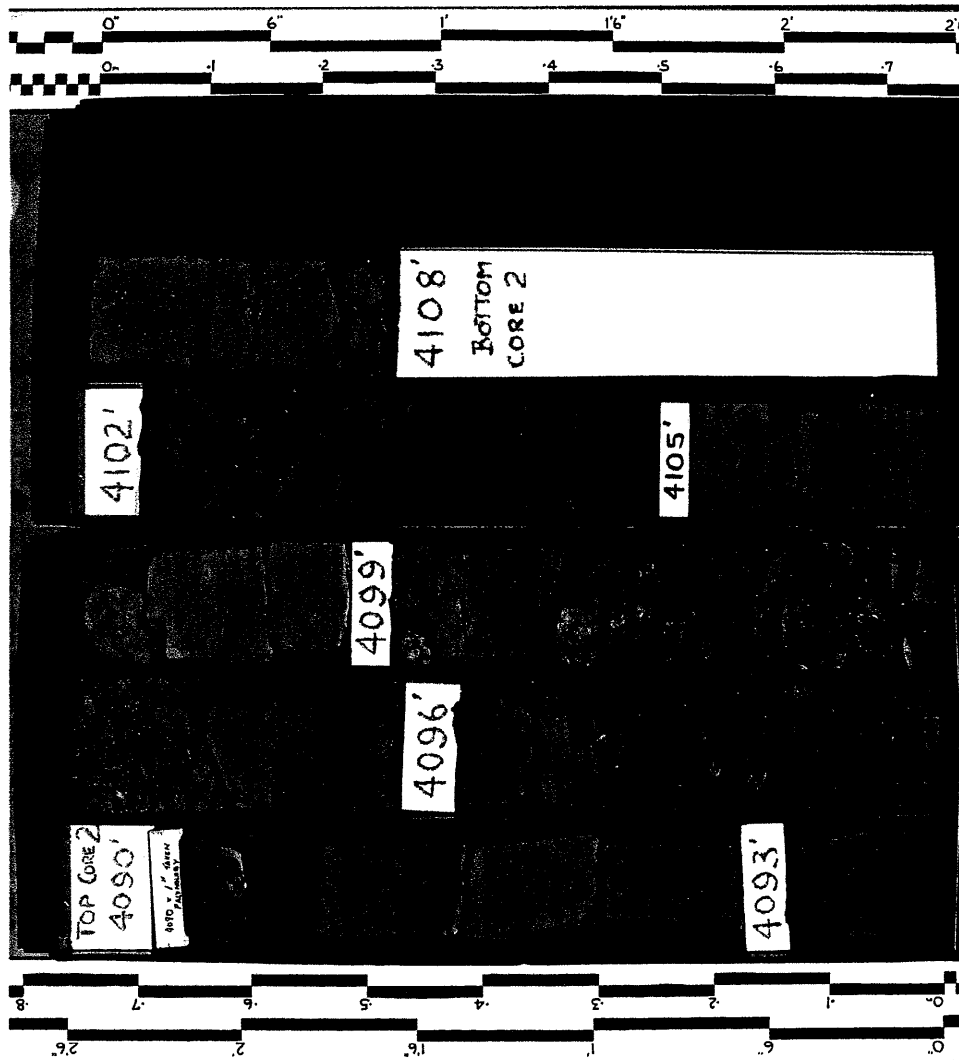
PE905022 to PE905054

This is an enclosure indicator page.
The enclosure PE905022 to 905054 is enclosed within the
container PE905020 at this location in this
document.

The enclosure PE905022 has the following characteristics:

ITEM_BARCODE = PE905022 to PE905054
CONTAINER_BARCODE = PE905020
NAME = Core 2 to Core 31 photographs - dry
BASIN = GIPPSLAND
PERMIT = VIC/P1
TYPE = WELL
SUBTYPE = CORE_PHOTOS
DESCRIPTION = Core 2 to Core 31 photographs - dry Core
(enclosure from Snapper Core Photographs
Report-attachment to WCR) for Snapper-1
REMARKS =
DATE_CREATED = 31/10/80
DATE_RECEIVED = 2/06/88
W_NO = W519
WELL_NAME = SNAPPER-1
CONTRACTOR =
CLIENT_OP_CO = ESSO AUSTRALIA LIMITED

(Inserted by DNRE - Vic Govt Mines Dept)

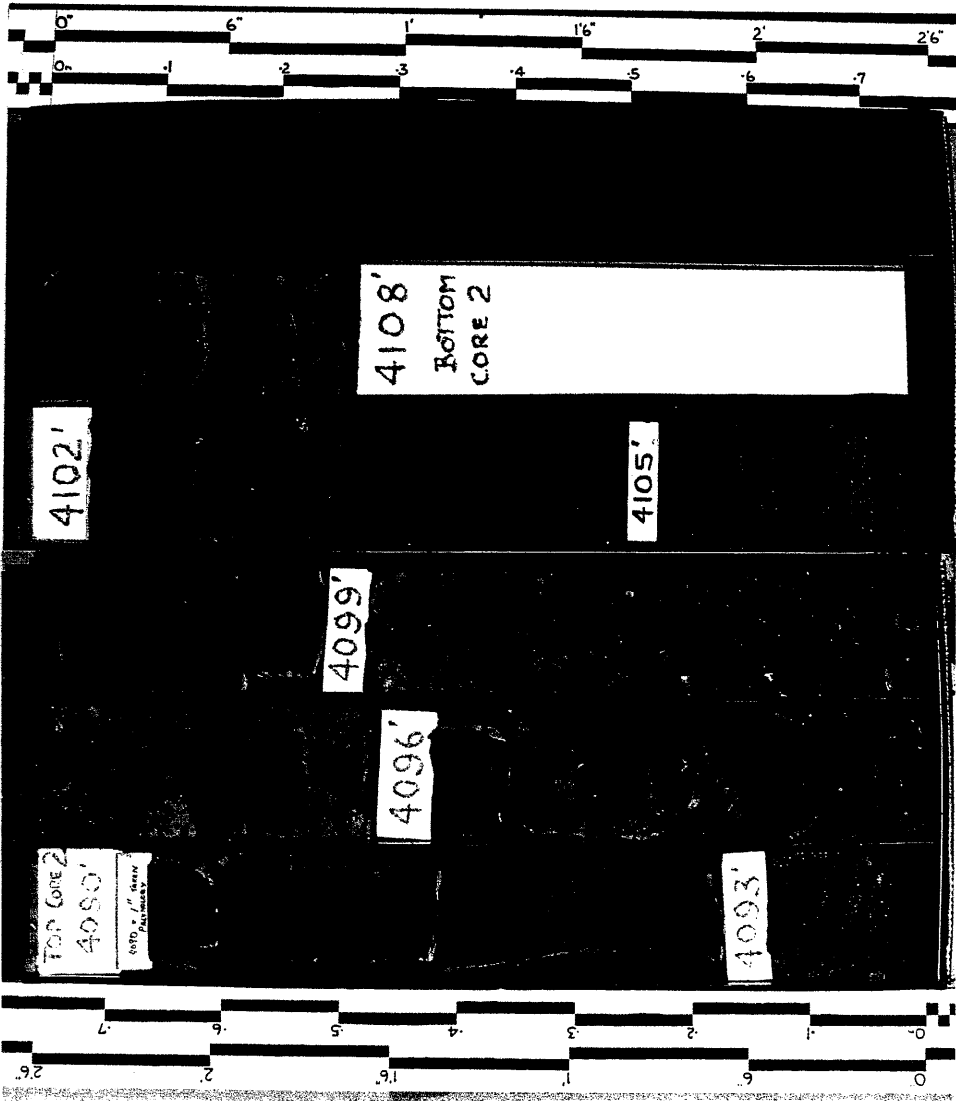


SNAPPER 1 CORE 2 DRY

4090' - 4115' CUT 25' - REC. 18'

DEPT. NAT. RES & ENV
PE905022

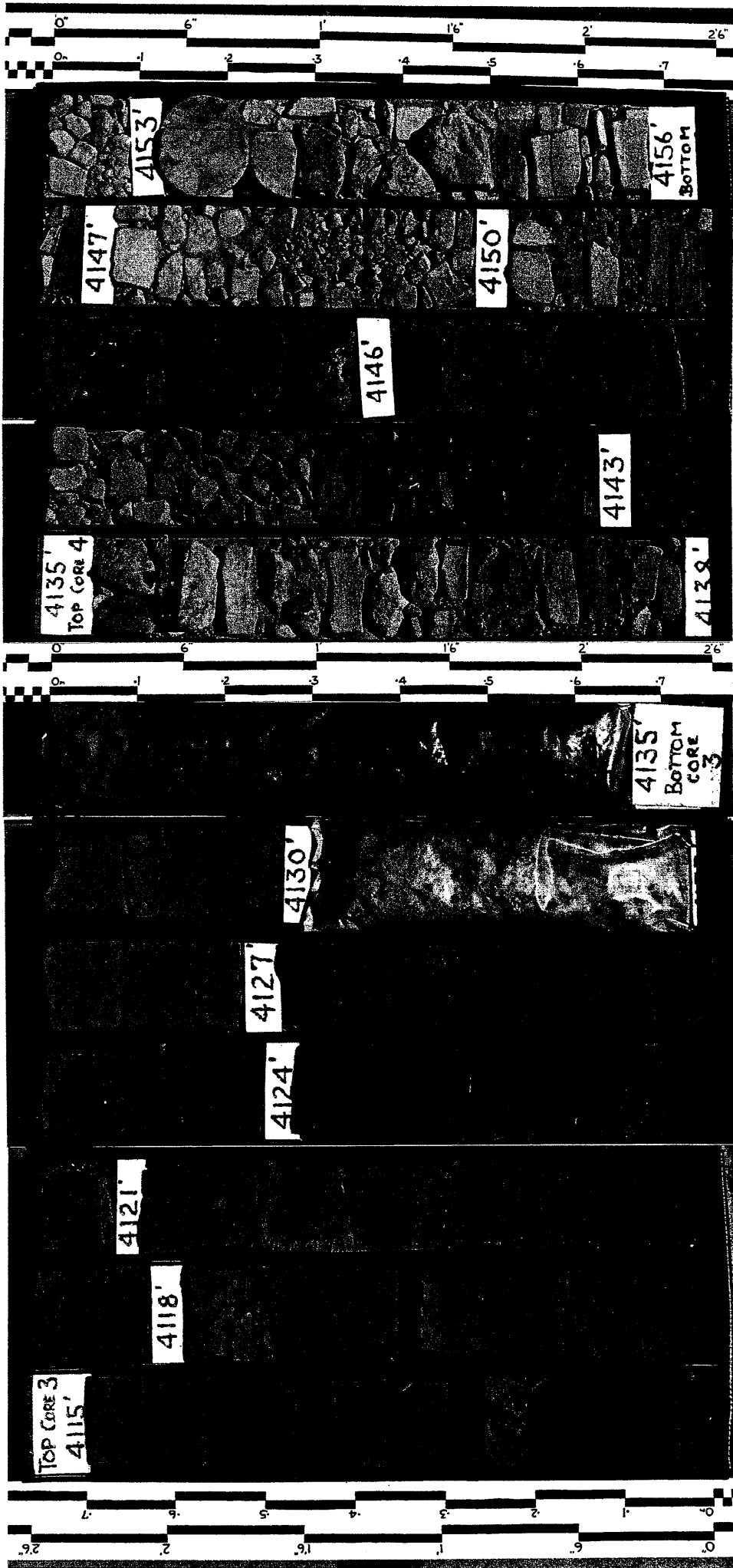
WET



DEPT. NAT. RES & ENV



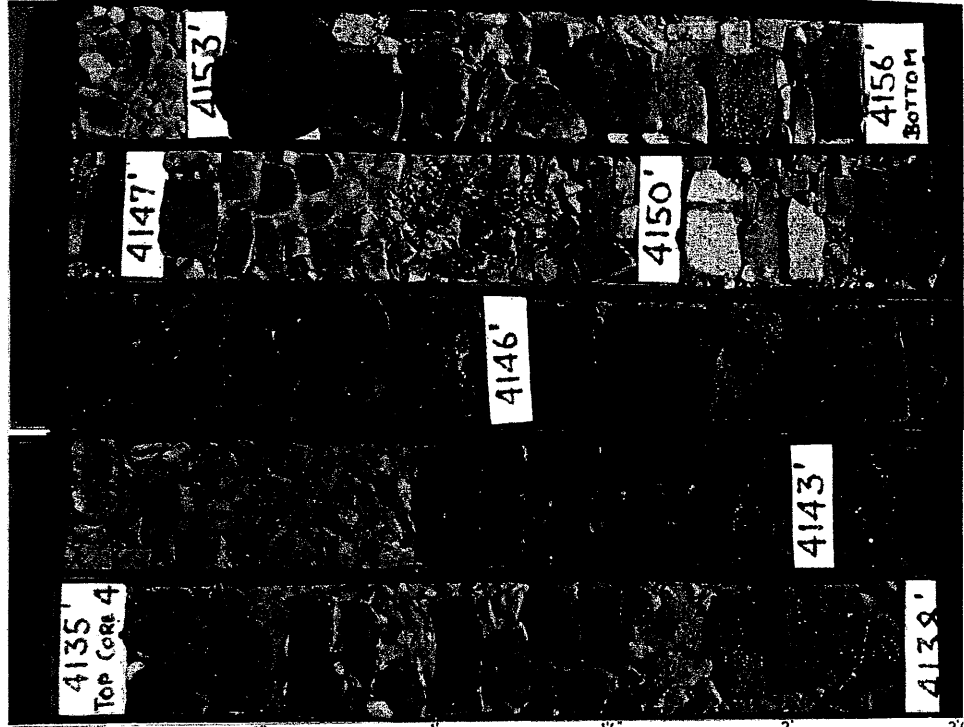
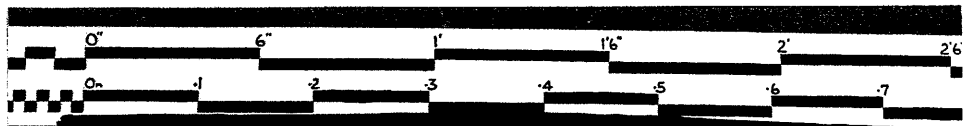
PE905023



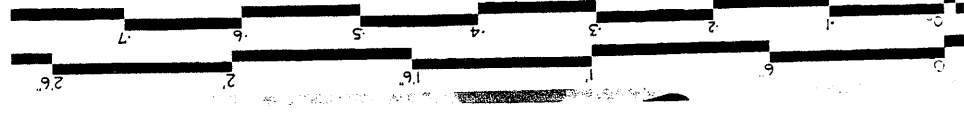
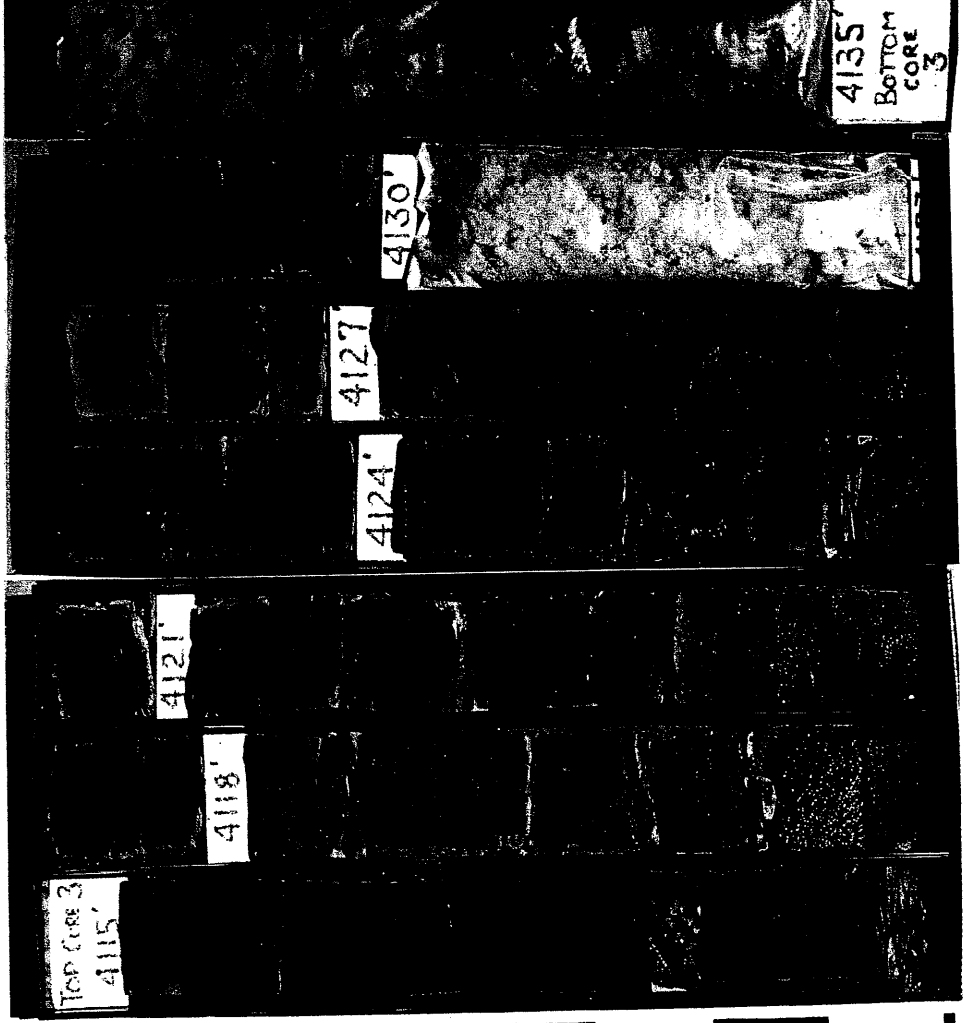
SNAPPER 1 CORES 3, 4 DRY

CORE 3 : 4115' - 4135' CUT 20' - REC. 20'

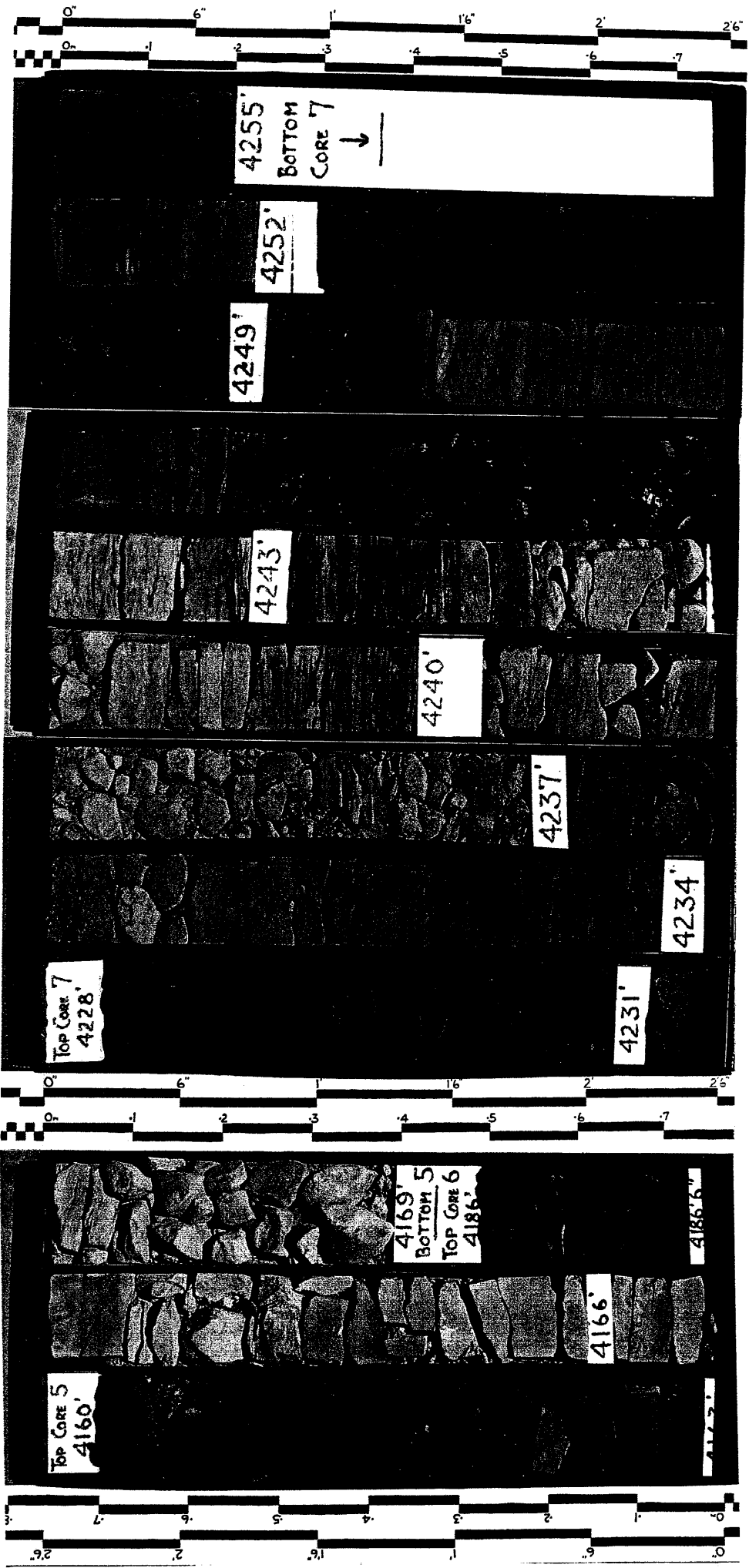
CORE 4 : 4135' - 4160' CUT 25' - REC. 22'



WET



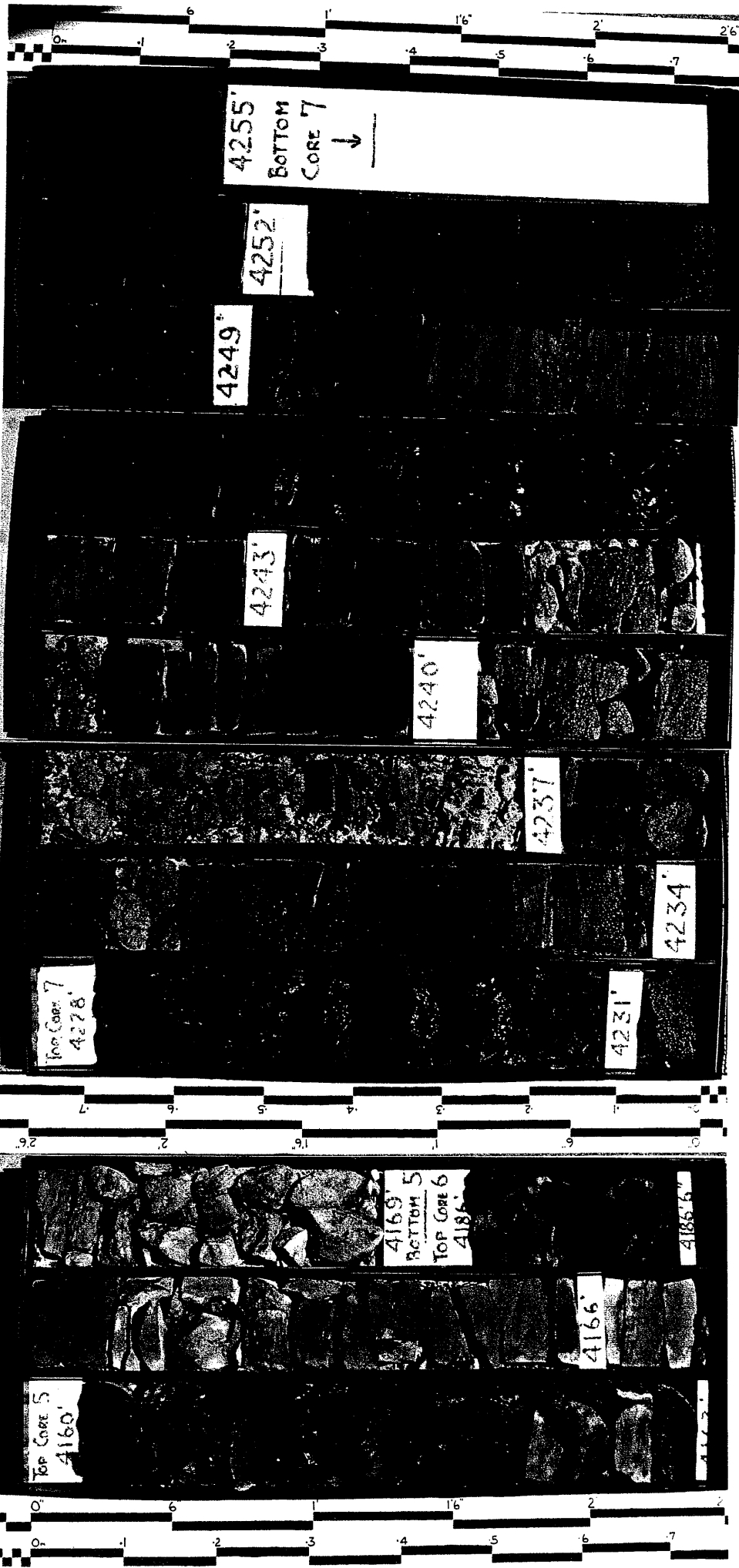
DEPT. NAT. RES & ENV
PE905025



SNAPPER 1 CORES 5, 6, 7 DRY

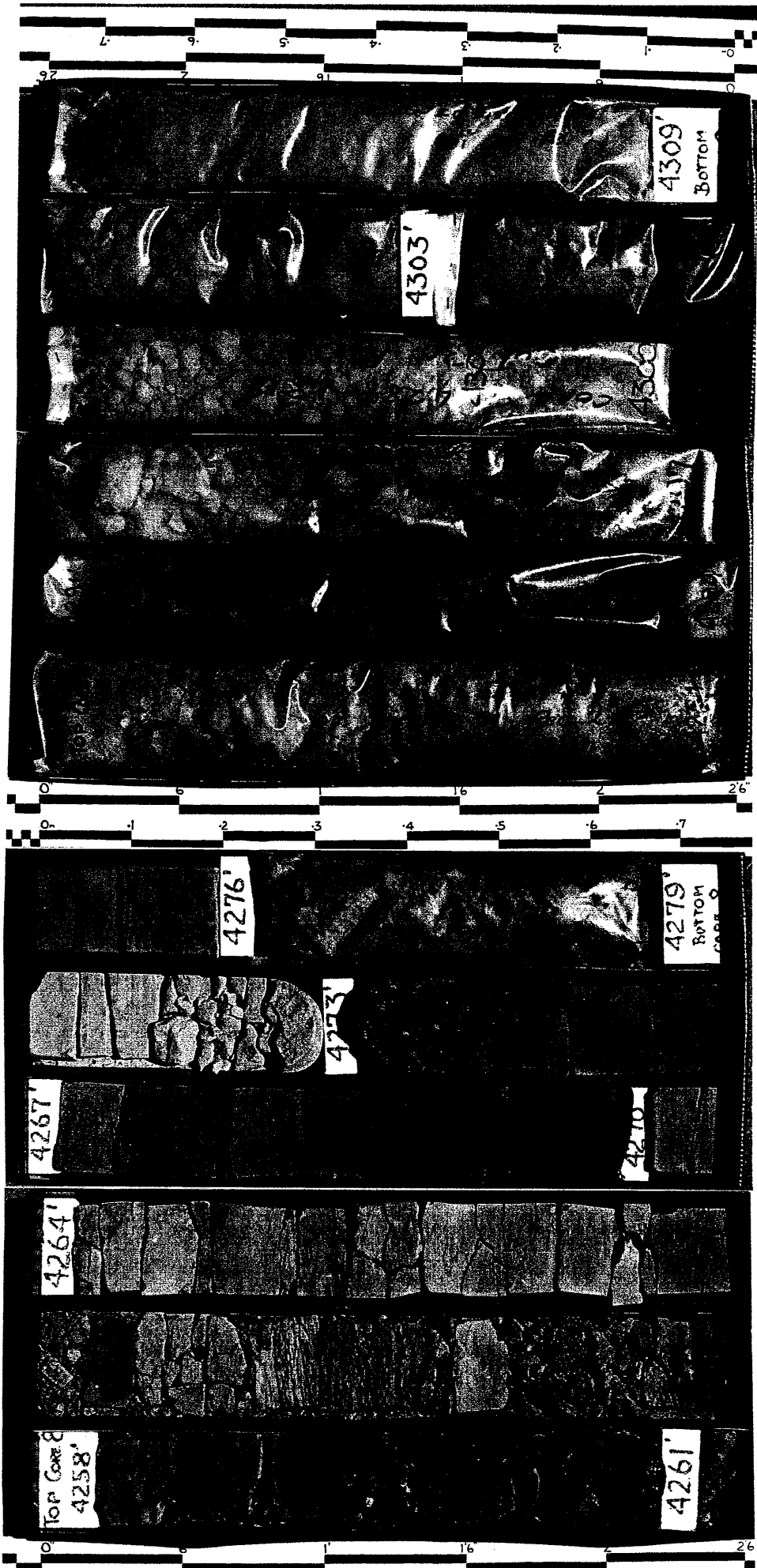
CORE 5: 4160' - 4186' CUT 26' - REC. 9'
 CORE 6: 4186' - 4228' CUT 42' - REC. 6"
 CORE 7: 4228' - 4258' CUT 30' - REC. 27'

WET



DEPT. NAT. RES & ENV

 PE905027

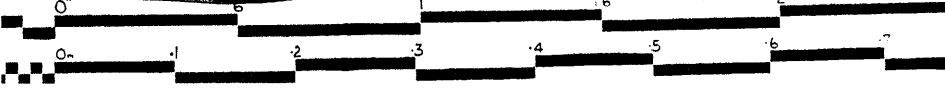
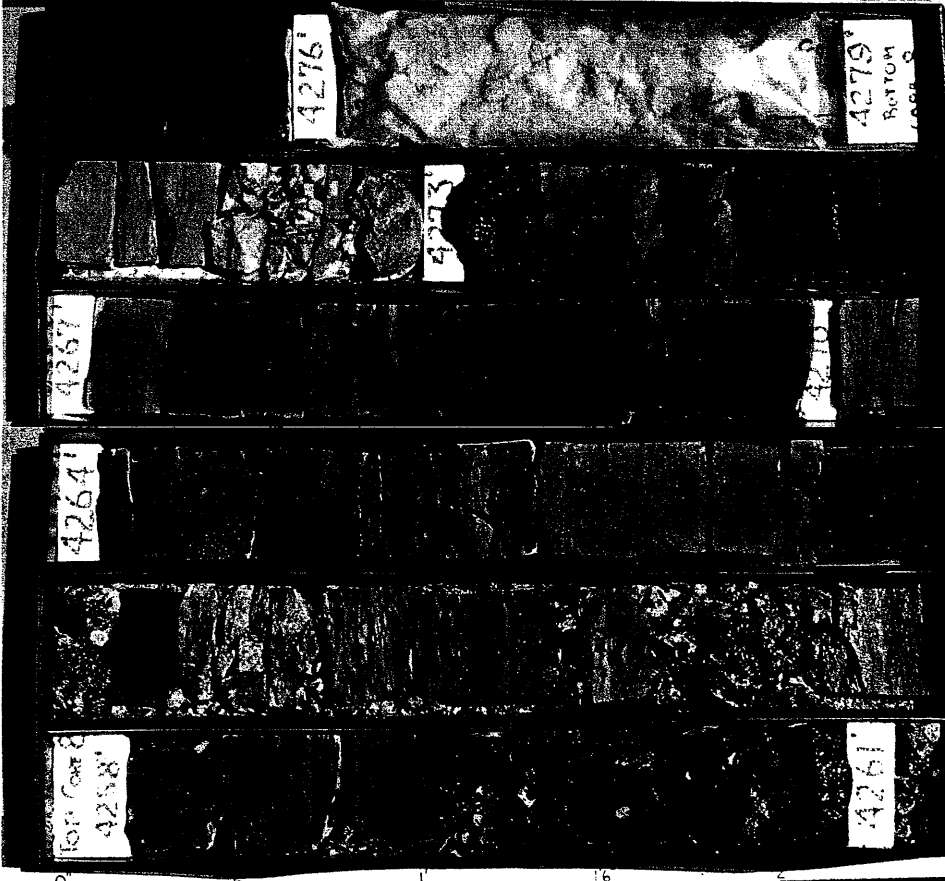
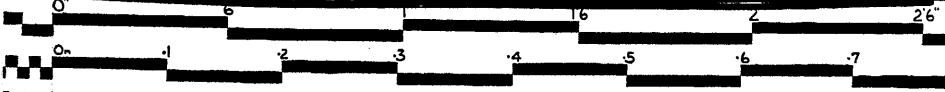
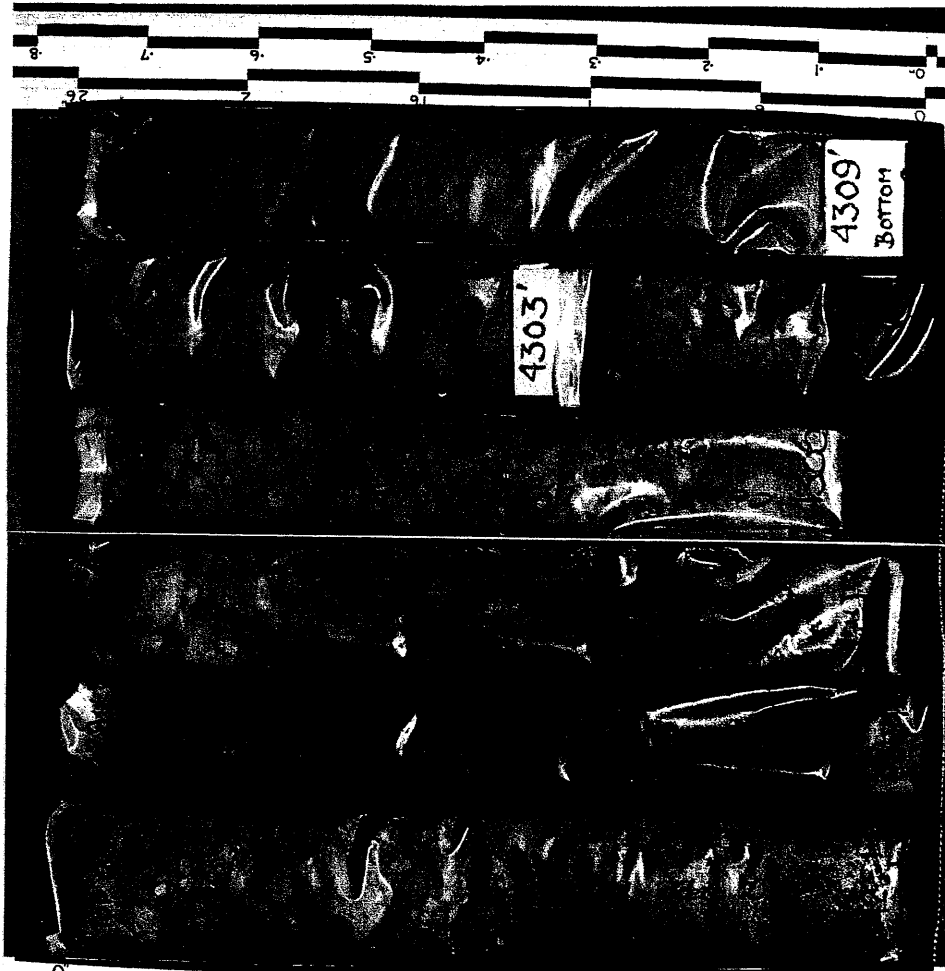


SNAPPER 1 CORES 8, 9 DRY

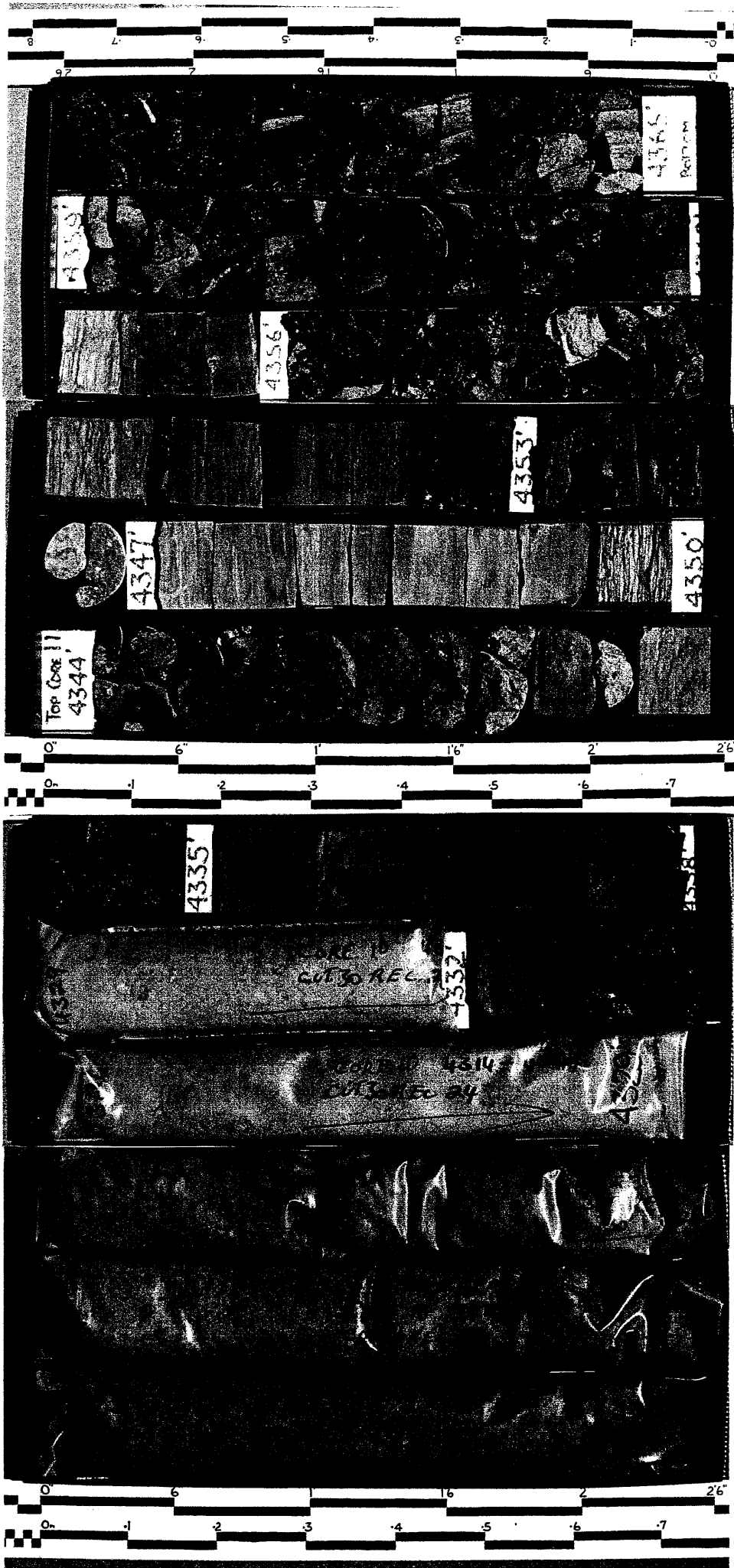
CORE 8 : 4258' - 4288' CUT 30' - REC. 21'

CORE 9 : 4288' - 4318' CUT 30' - REC. 21'

NET



DEPT. NAT. RES & ENV
PE905029

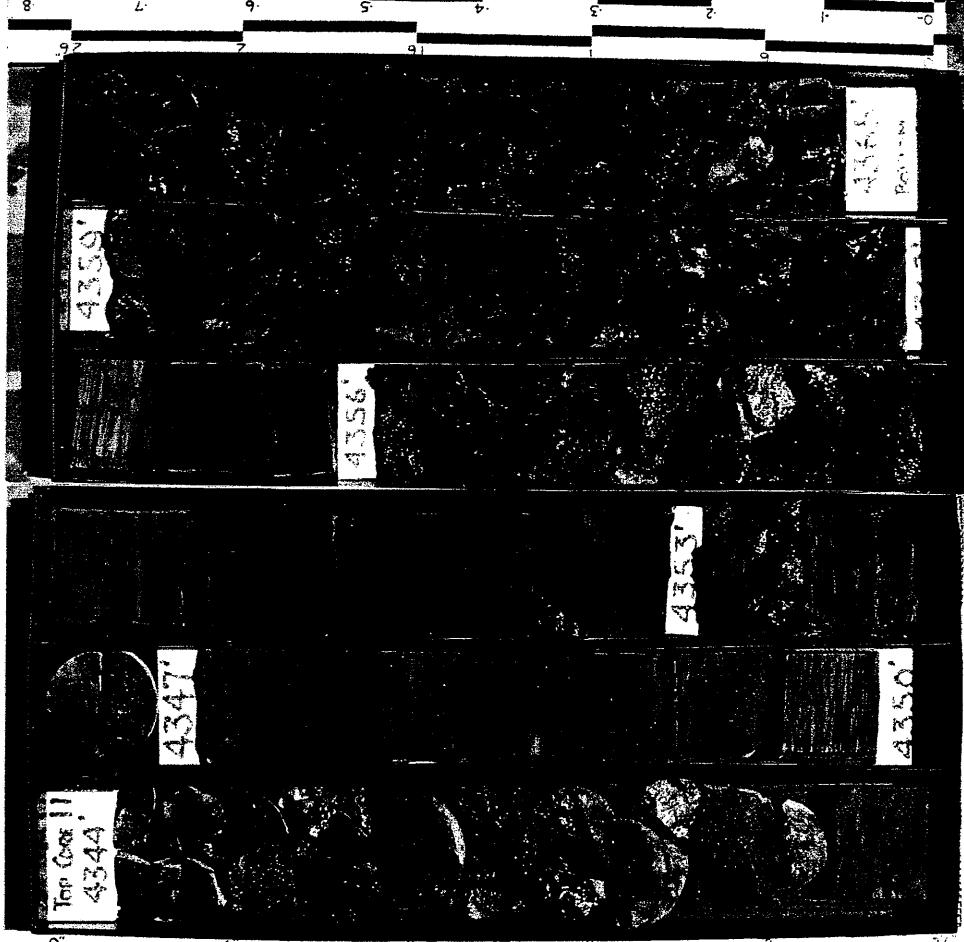


SNAPPER 1 CORES 10, 11 DRY

CORE 10 : 4314' - 4344' CUT 30' - REC. 24'

CORE 11 : 4344' - 4368' CUT 24' - REC. 21'

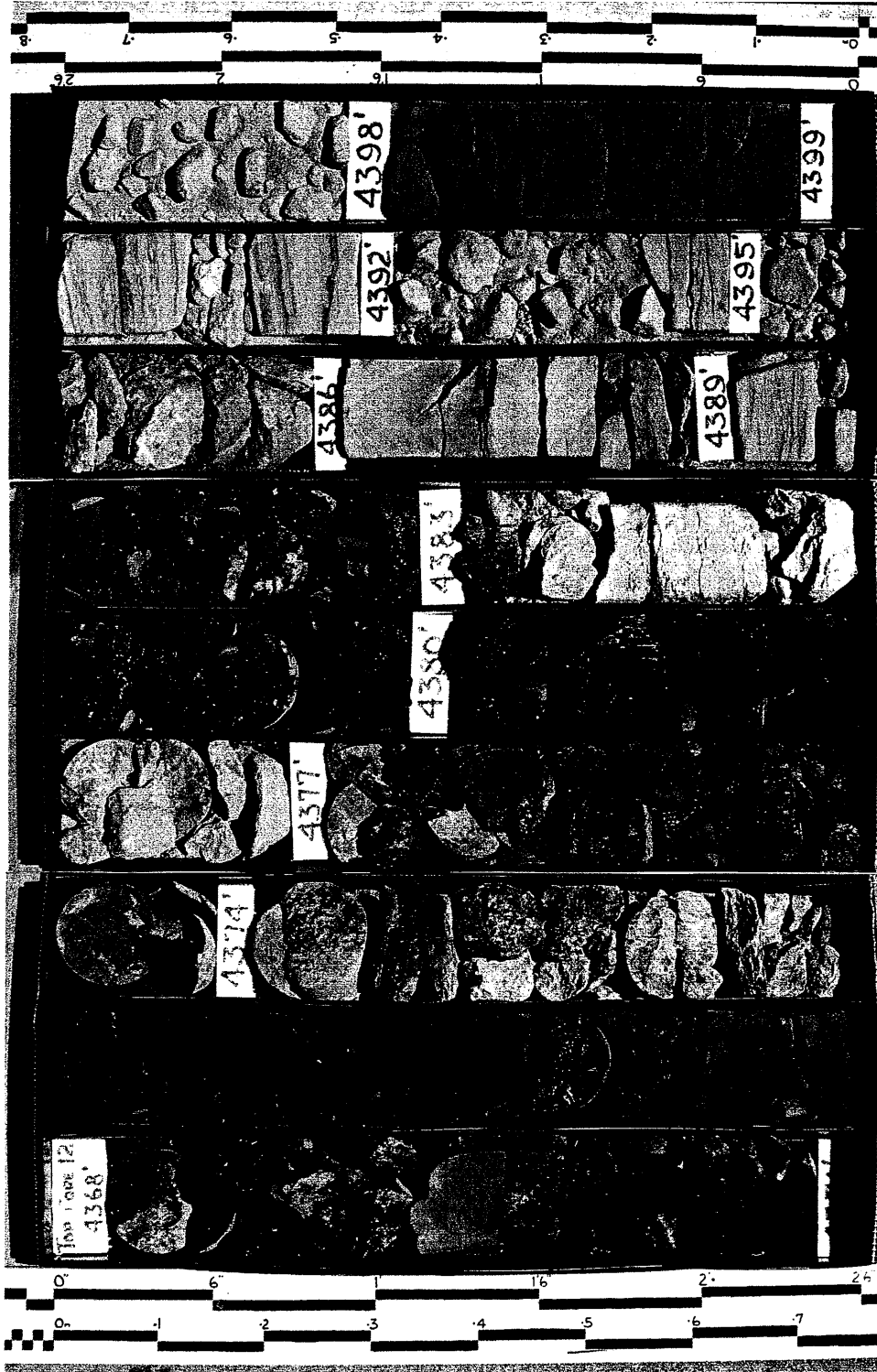
WET



DEPT. NAT. RES & ENV

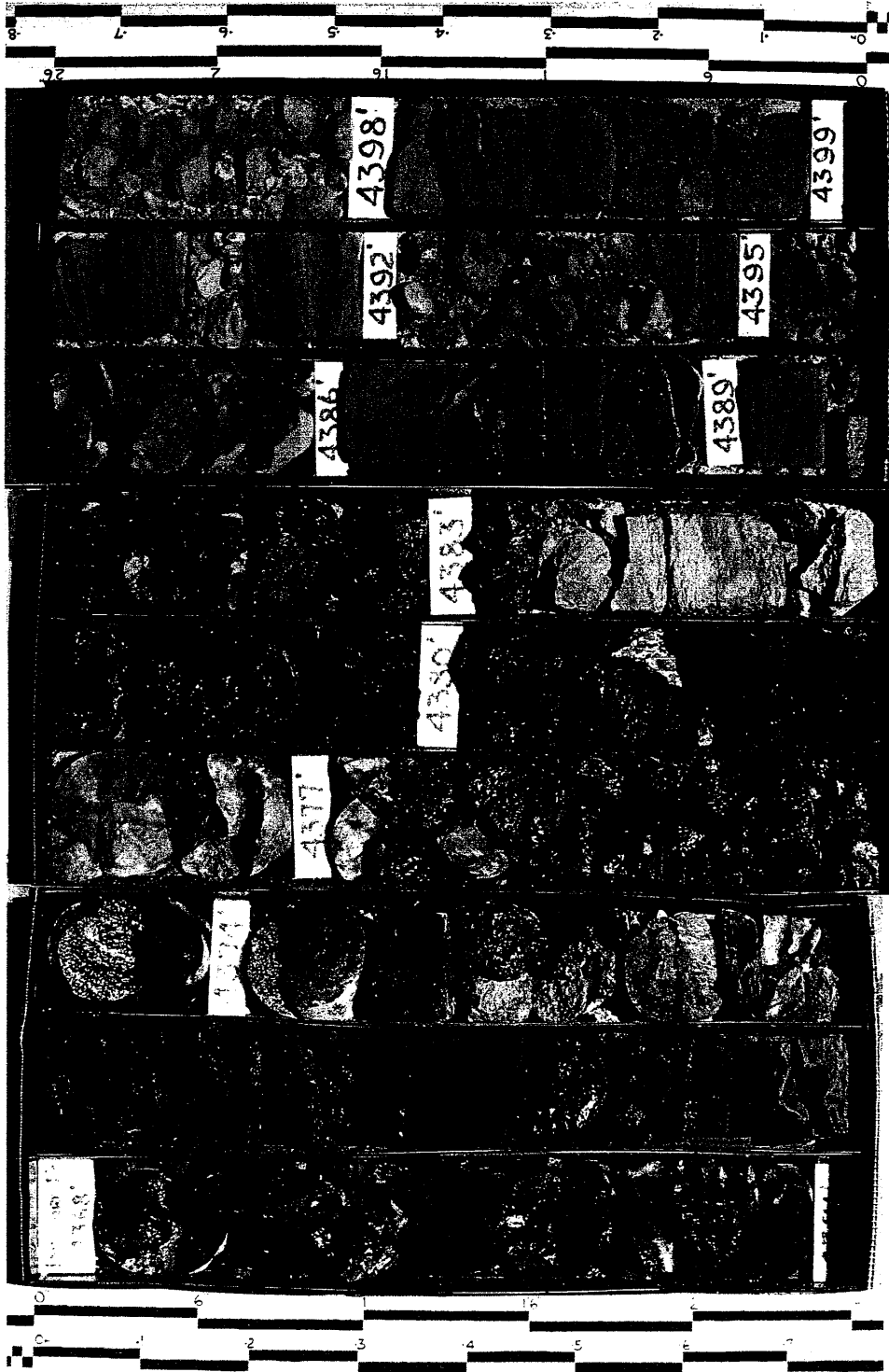


PE905031



SNAPPER 1 CORE 12 DRY
4368' - 4399' CUT 31' - REC. 31'

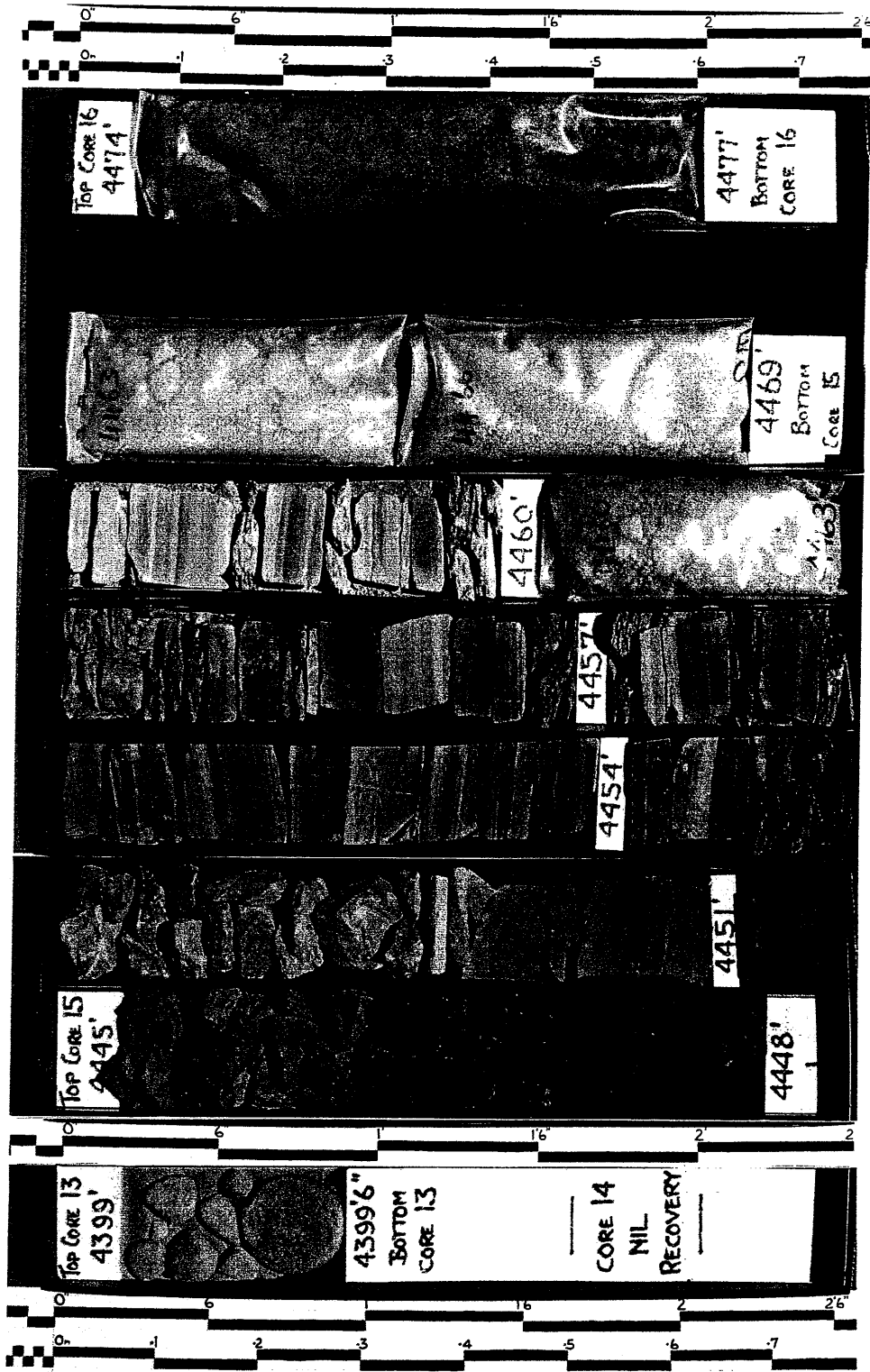
WET



DEPT. NAT. RES & ENV



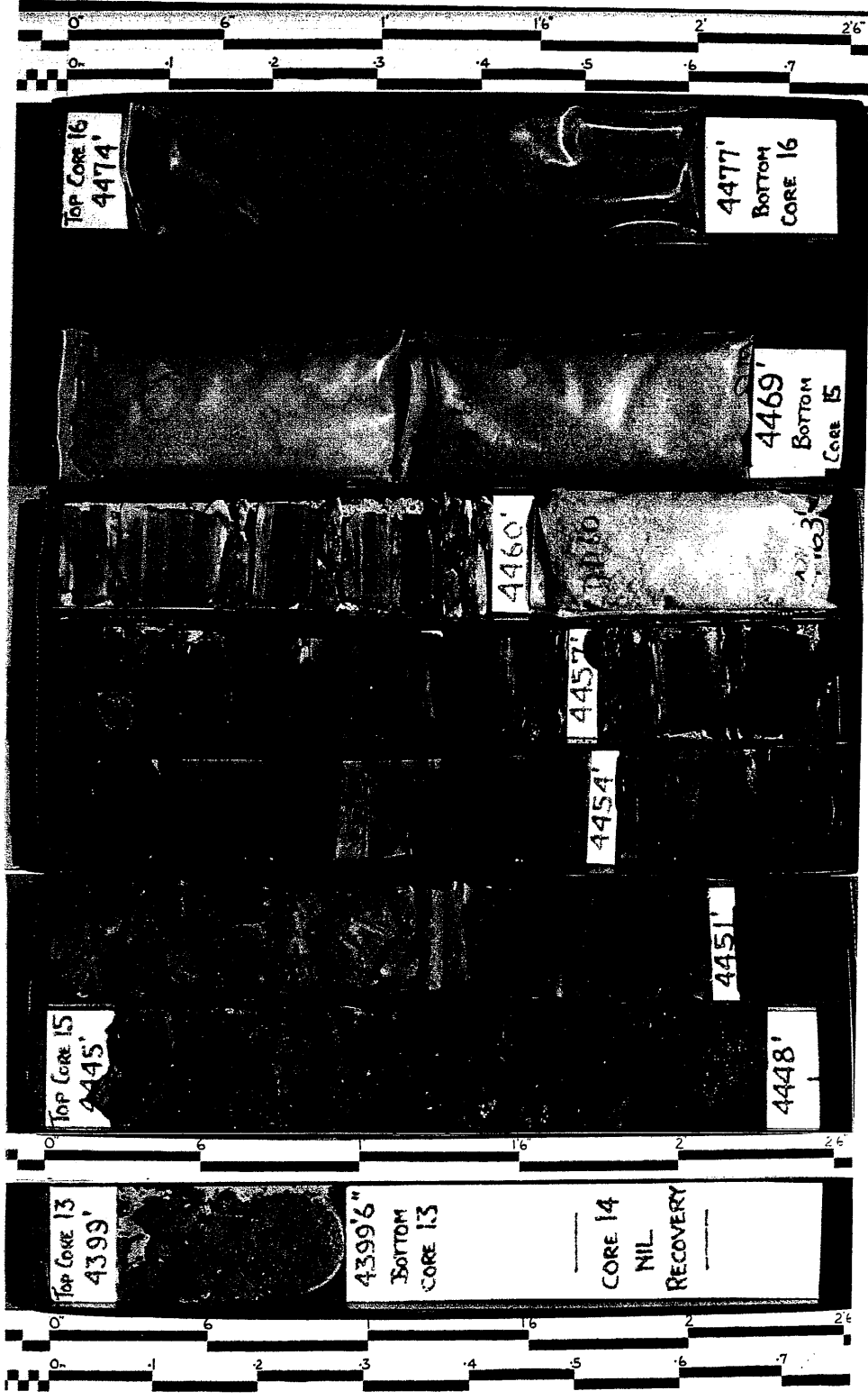
PE905033



SNAPPER 1 CORES 13, 14, 15, 16 DRY

CORE 13 : 4399' - 4427' CUT 28' - REC. 6"
 CORE 14 : NIL RECOVERY (4427' - 4437')
 CORE 15 : 4445' - 4474' CUT 29' - REC. 23'
 CORE 16 : 4474' - 4502' CUT 28' - REC. 3'

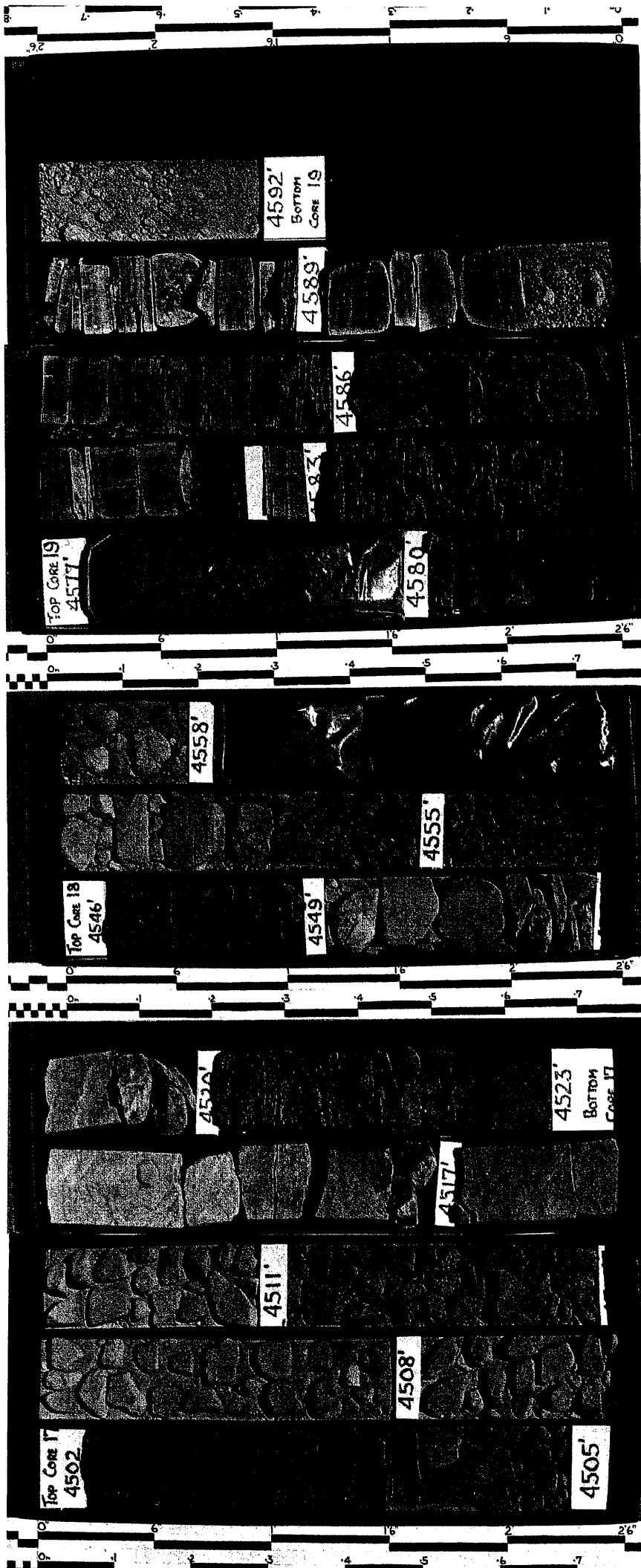
WET



DEPT. NAT. RES & ENV



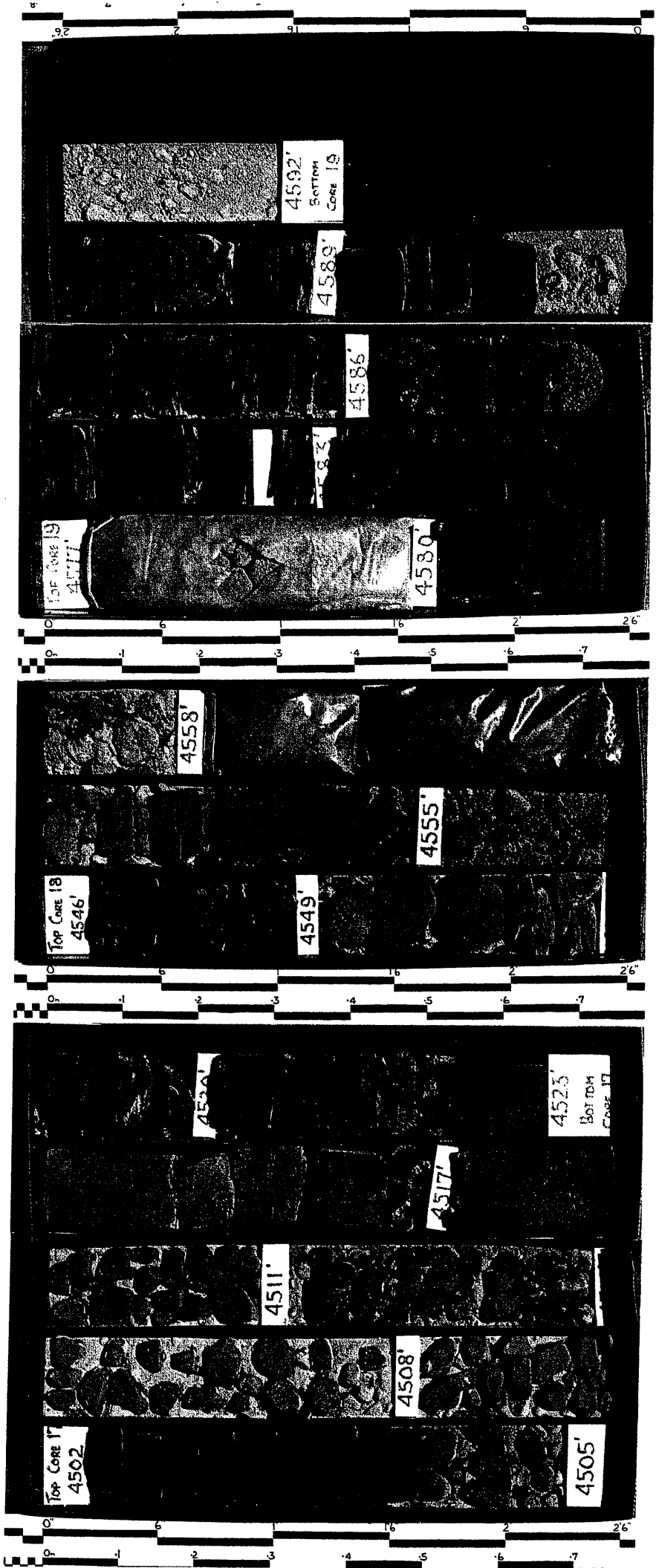
PE905035



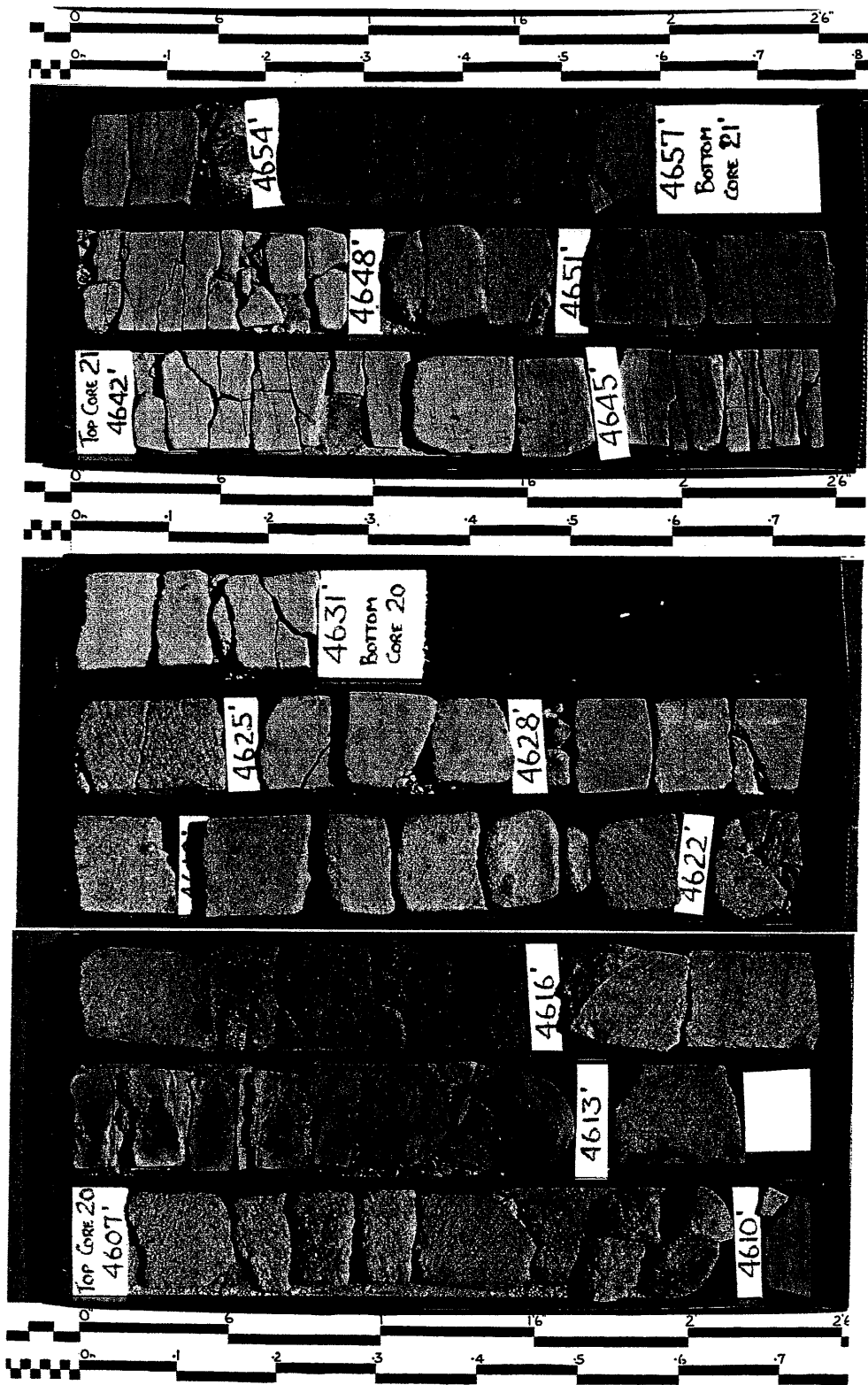
SNAPPER 1 CORES 17, 18, 19 DRY

CORE 17 : 4502' - 4546' CUT 44' - REC. 22'
 CORE 18 : 4546' - 4577' CUT 31' - REC. 15'
 CORE 19 : 4577' - 4607' CUT 30' - REC. 14'

WET



DEPT. NAT. RES & ENV
PE905037



SNAPPER 1 CORES 20, 21 DRY

CORE 20: 4607' - 4642' CUT 35' - REC. 24'

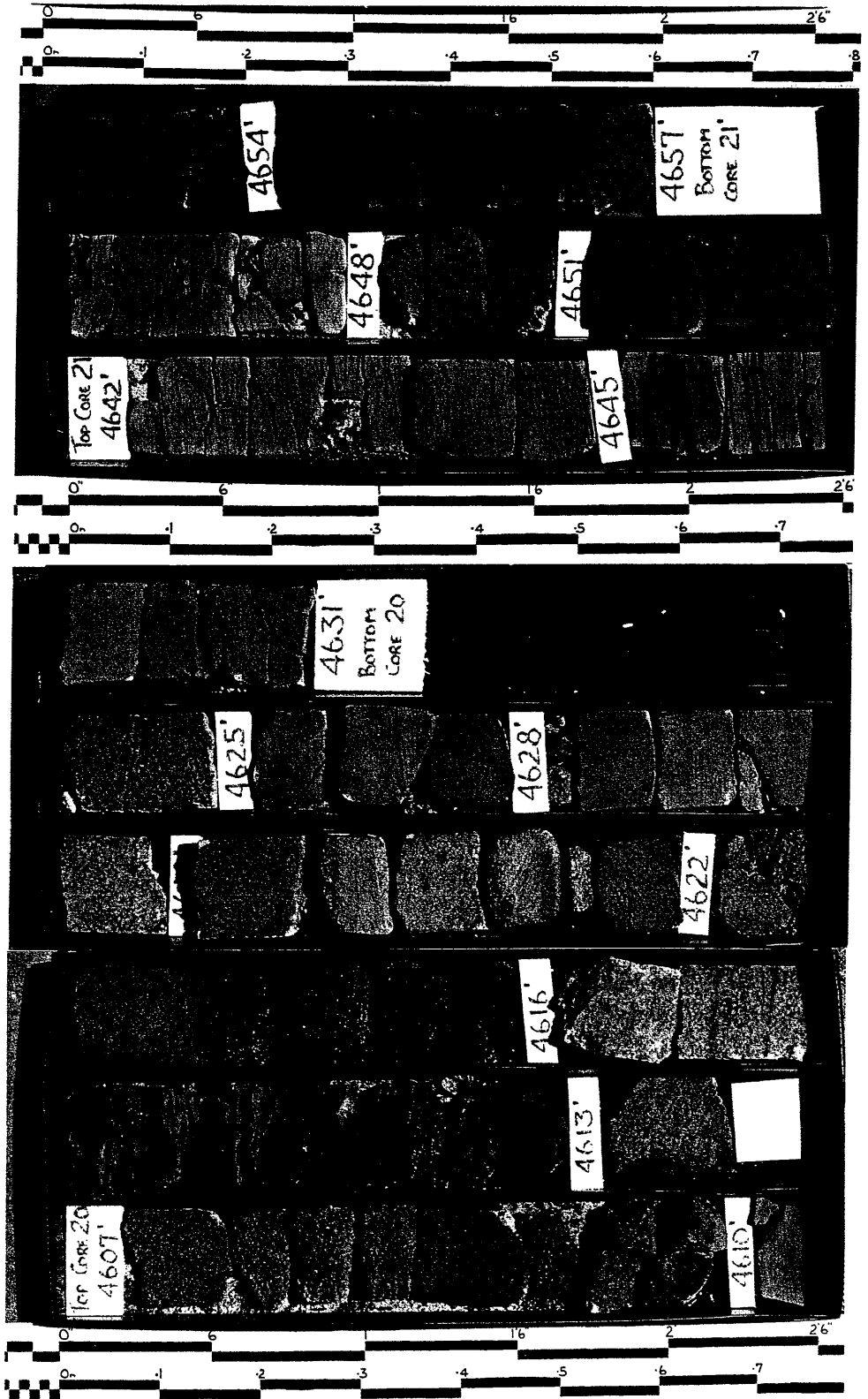
CORE 21: 4642' - 4676' CUT 34' - REC. 15'

DEPT. NAT. RES & ENV



PE905038

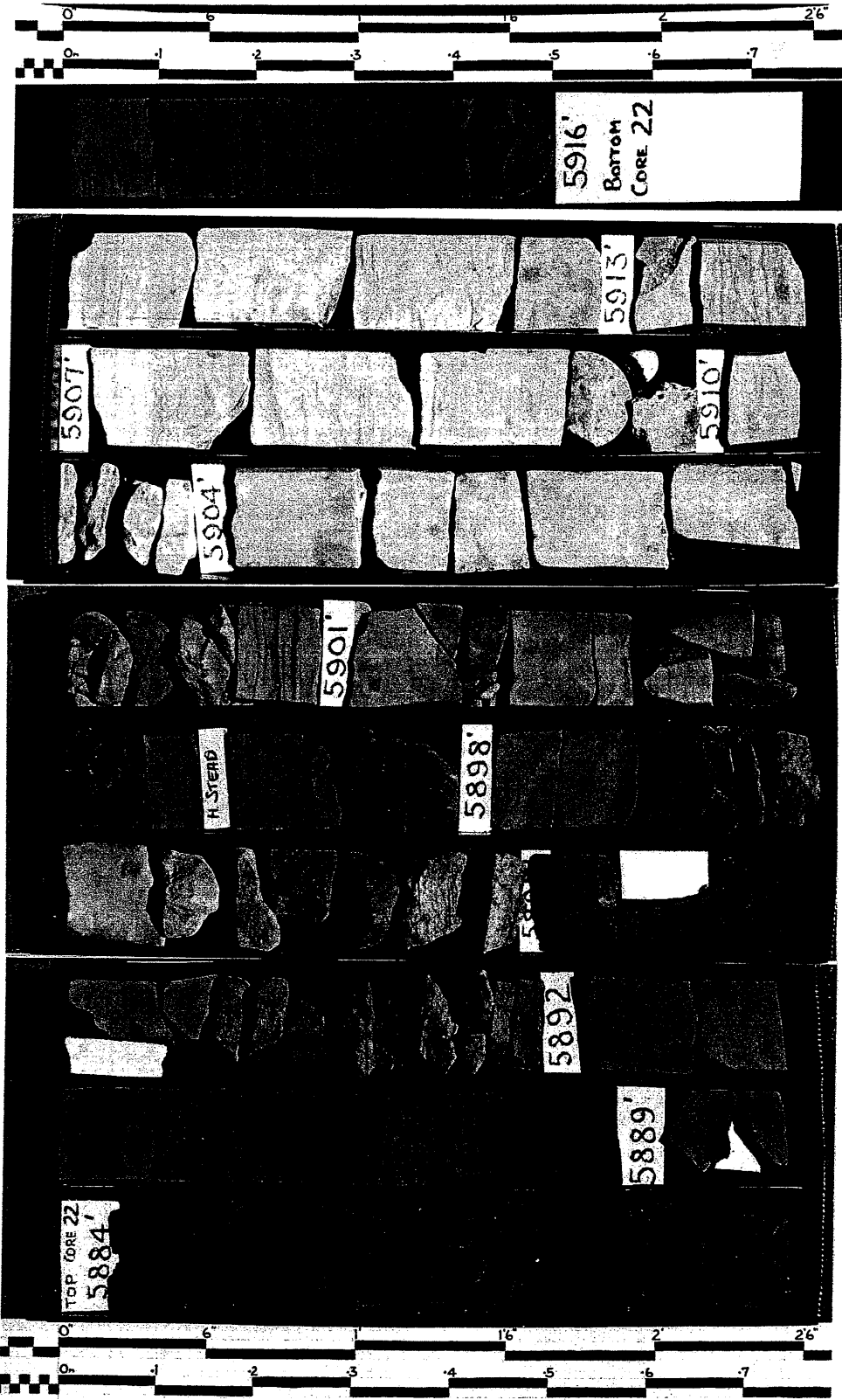
WET



DEPT. NAT. RES & ENV



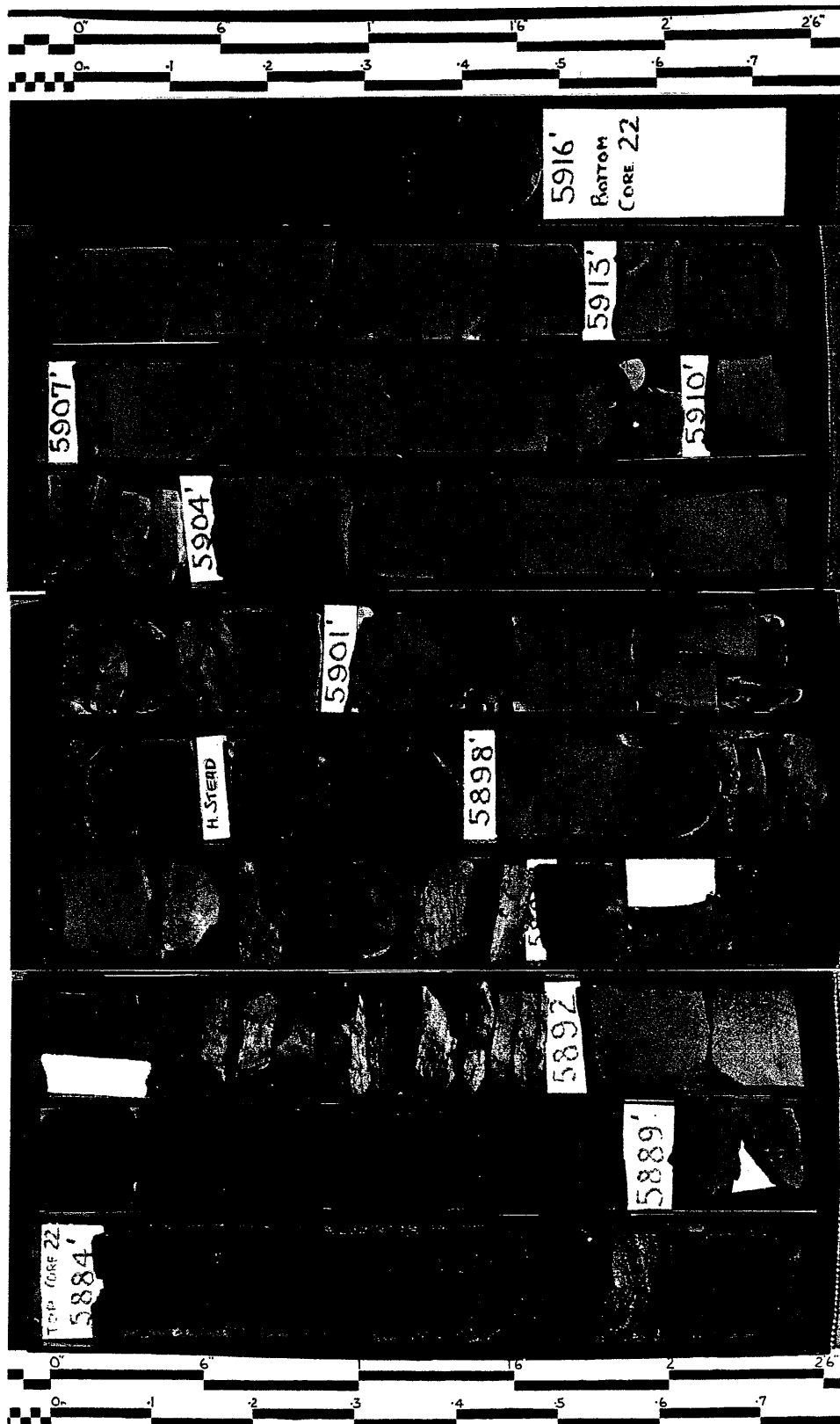
PE905039



SNAPPER 1 CORE 22 DRY

5884' - 5915' CUT 31' - REC. 31'

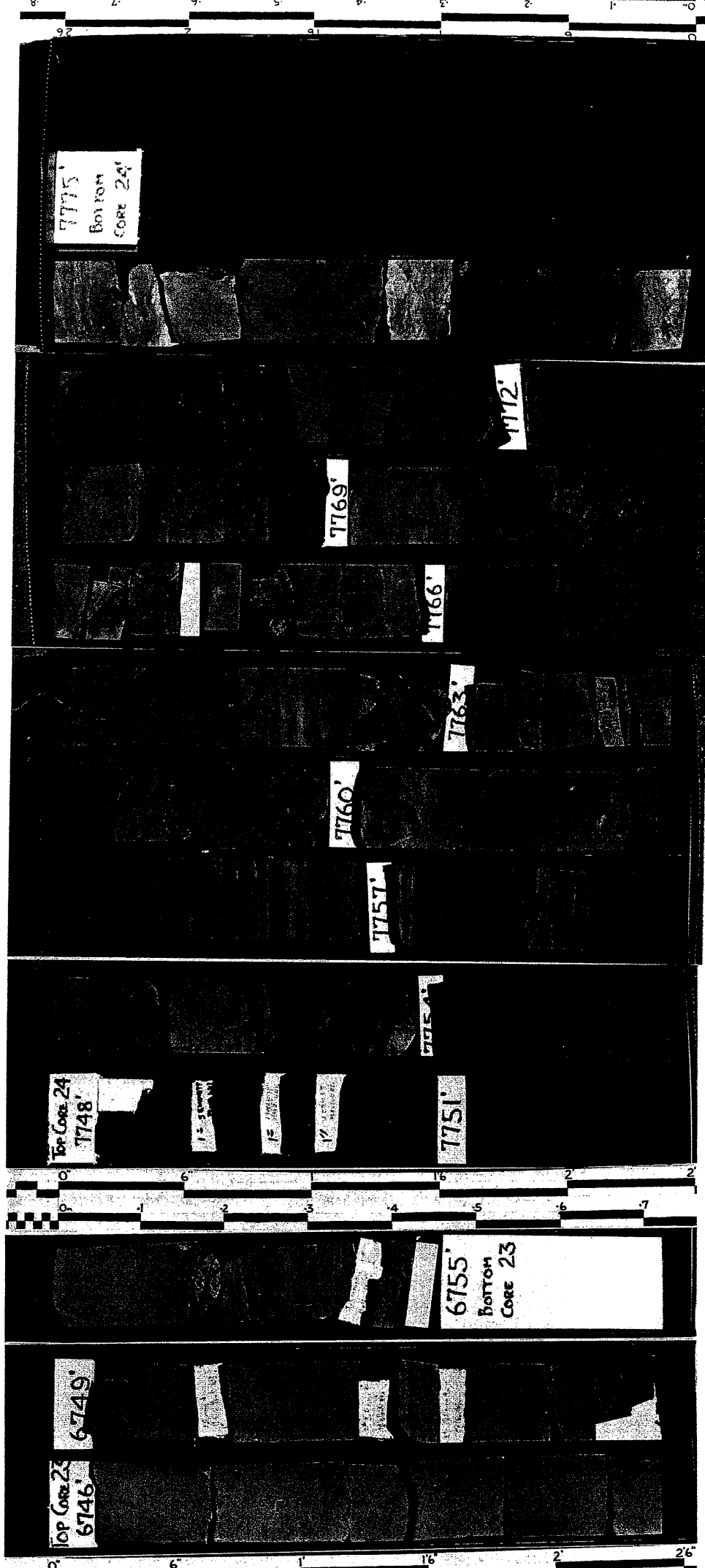
WET



DEPT. NAT. RES & ENV



PE905041



SNAPPER 1 CORES 23, 24 DRY

CORE 23 : 6746' - 6755' CUT 9' - REC. 9'

CORE 24 : 7748' - 7777' CUT 29' - REC. 26'

WET

7775'
BOTTOM
CORE 24'

7772'

7769'

7766'

7763'

7760'

7757'

7754'

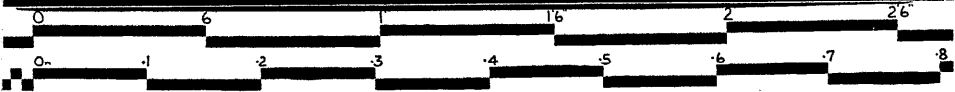
TOP CORE 24
7748'

7745'

7742'

7739'

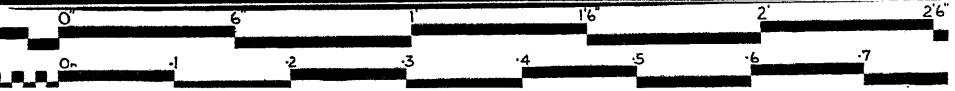
7736'



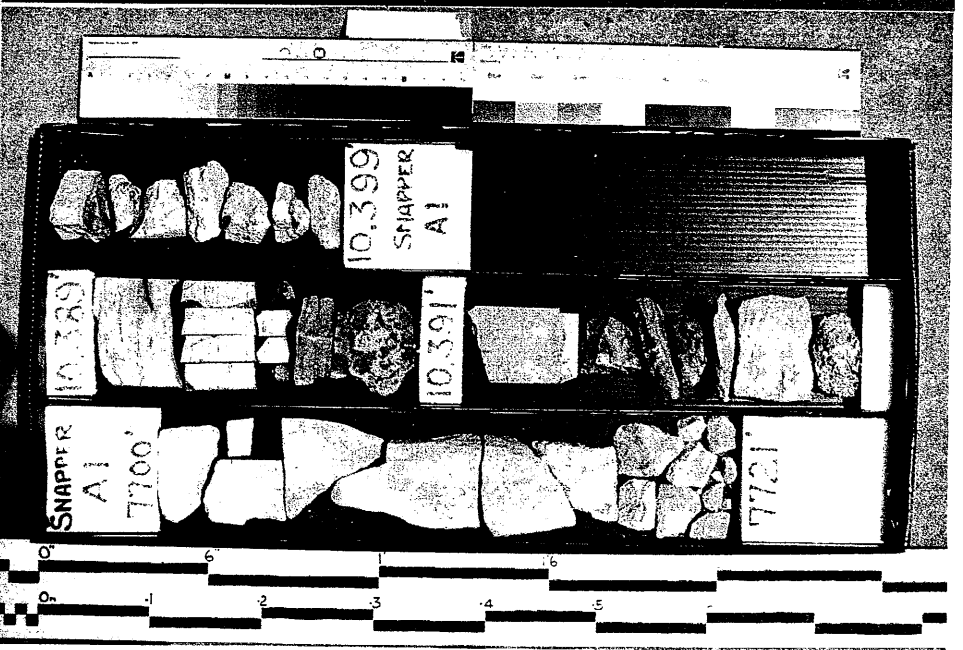
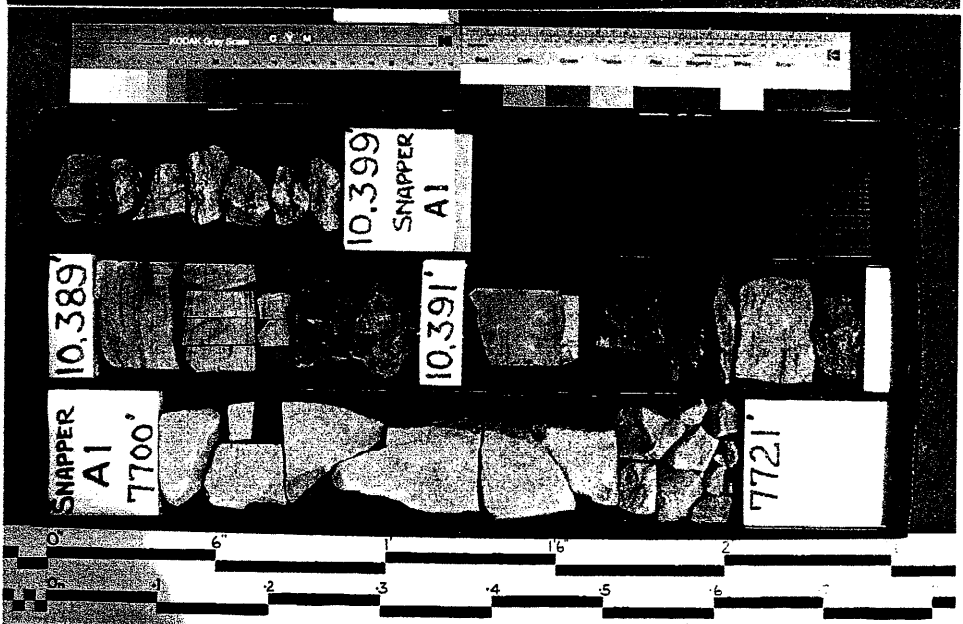
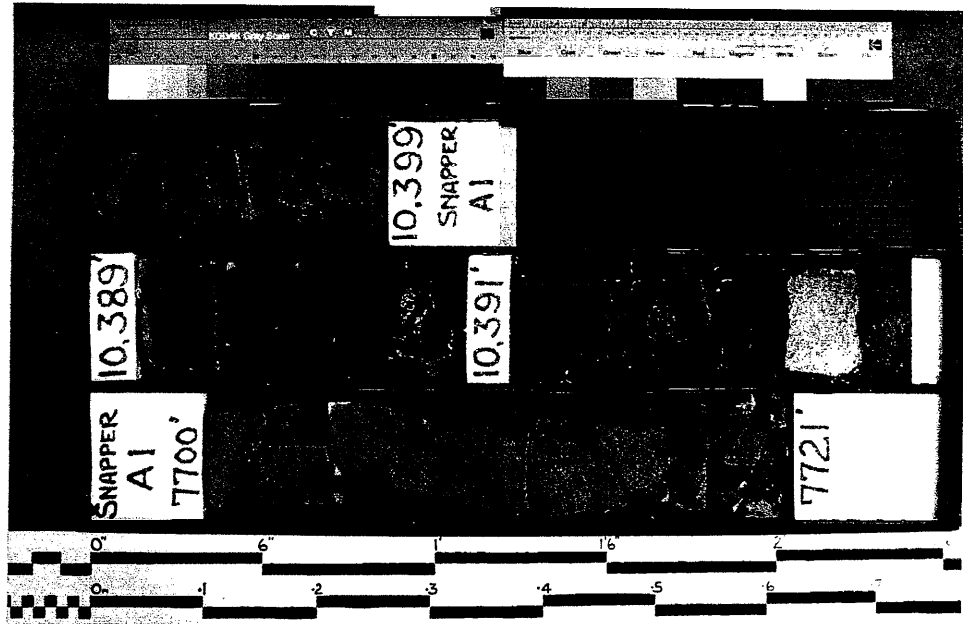
6755'
BOTTOM
CORE 23'

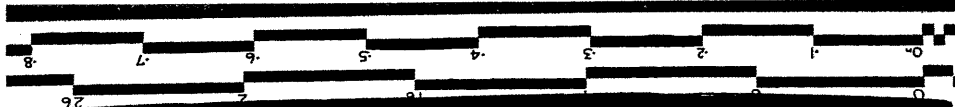
6749'

TOP CORE 23
6746'



DEPT. NAT. RES & ENV
PE905043





8498'
BOTTOM
CORE 25

8494'
ERROR?
8495'

8491'

8488'
8485'

8482'

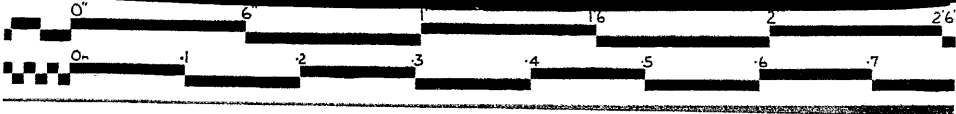
8479'

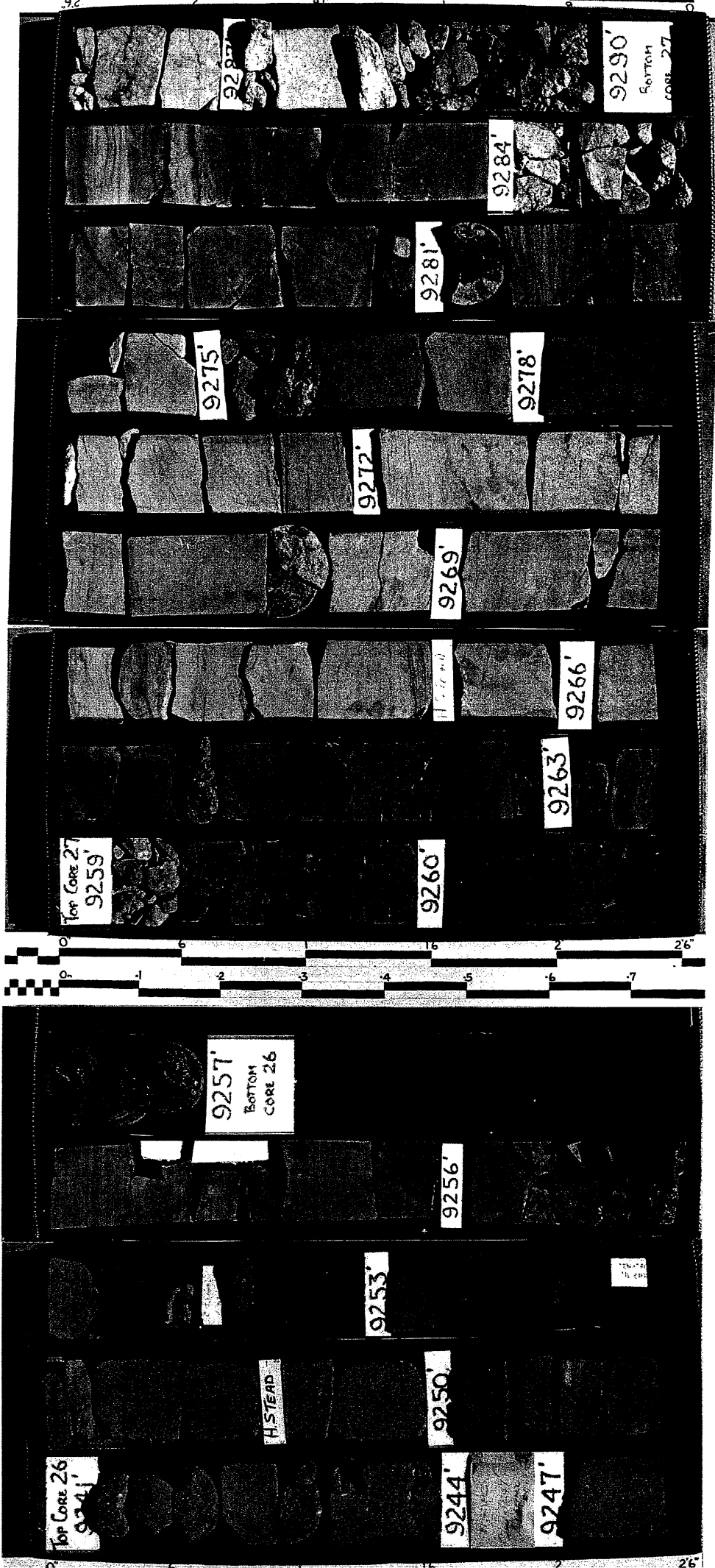
8476'

DEPTHS AS
MARKED
8470'

8472'

TOP CORE 25
8467'
DEPTH MEASURE
GROSS, IN THE
SECT. + DOUBLE
SECT. 8470-75
8470'



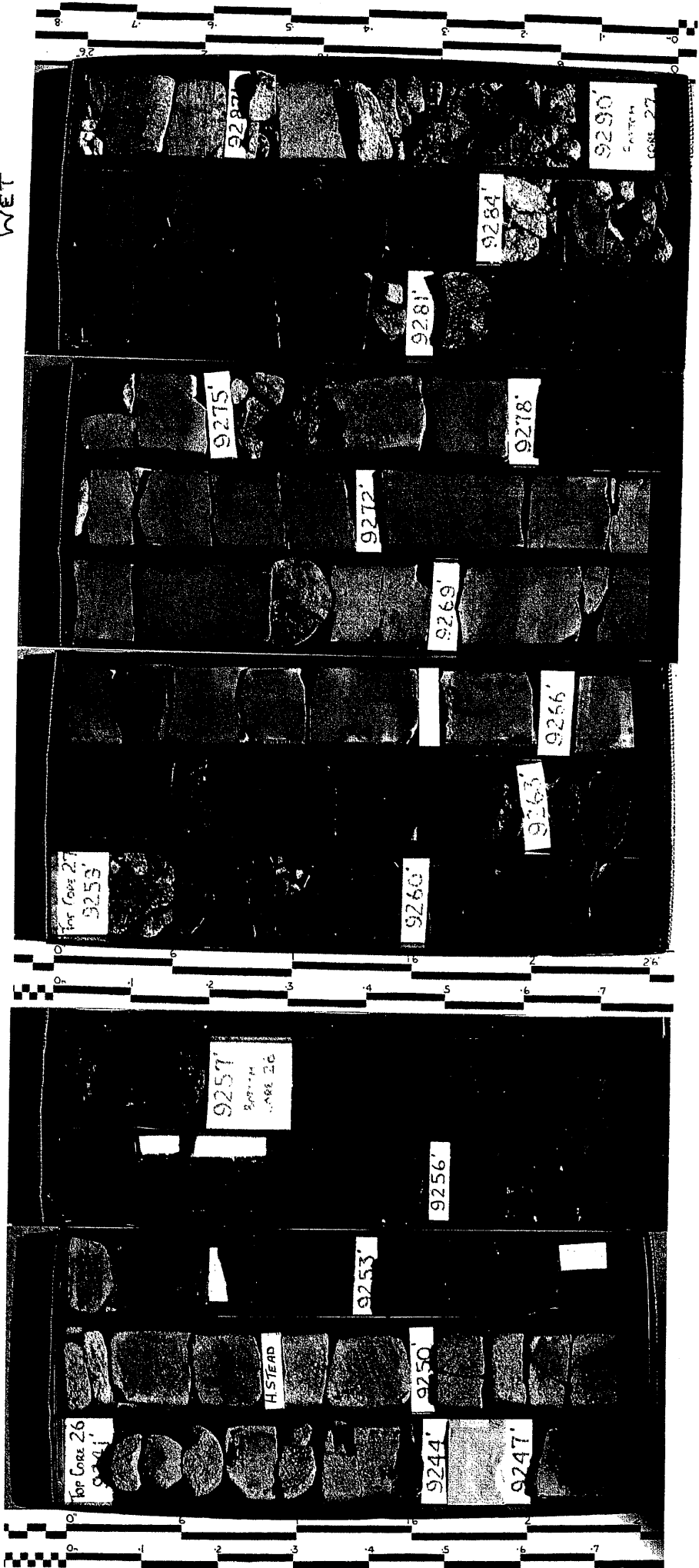


SNAPPER 1 CORES 26, 27 DRY

CORE 26 : 9241' - 9259' CUT 18' - REC. 16'

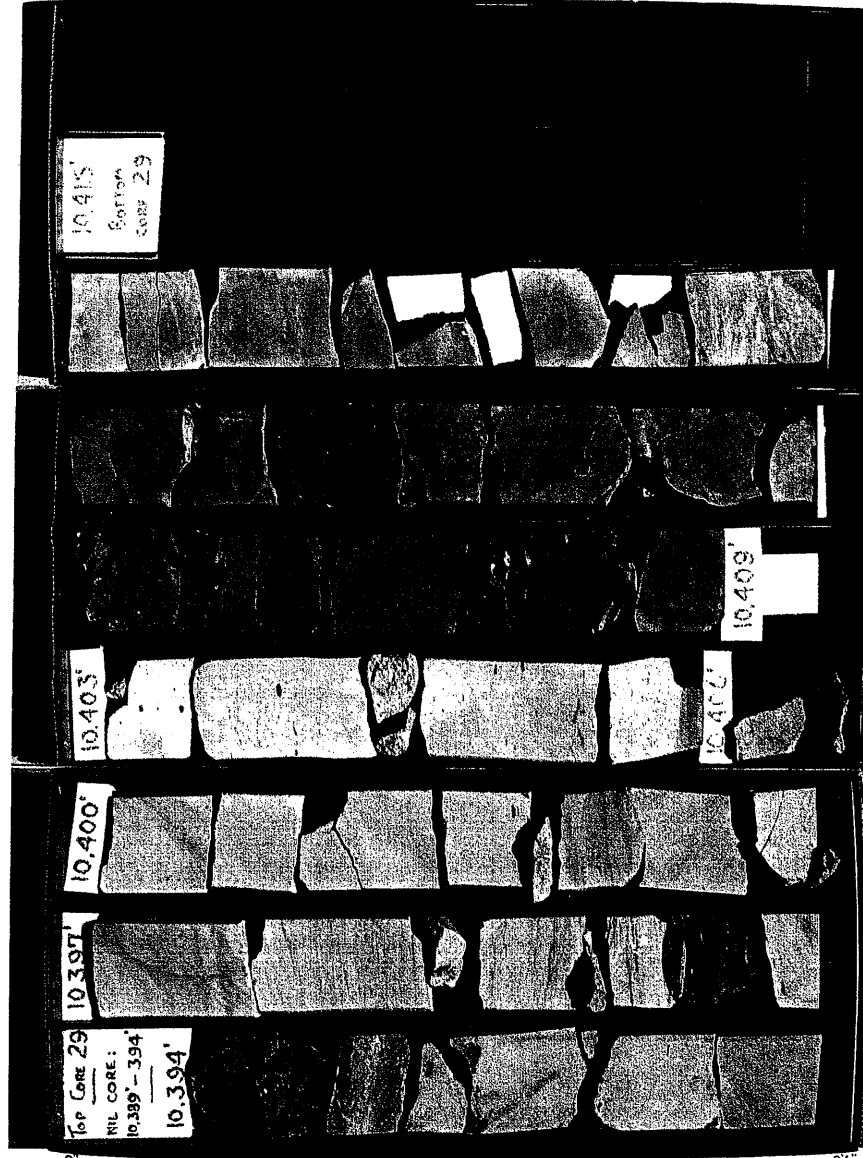
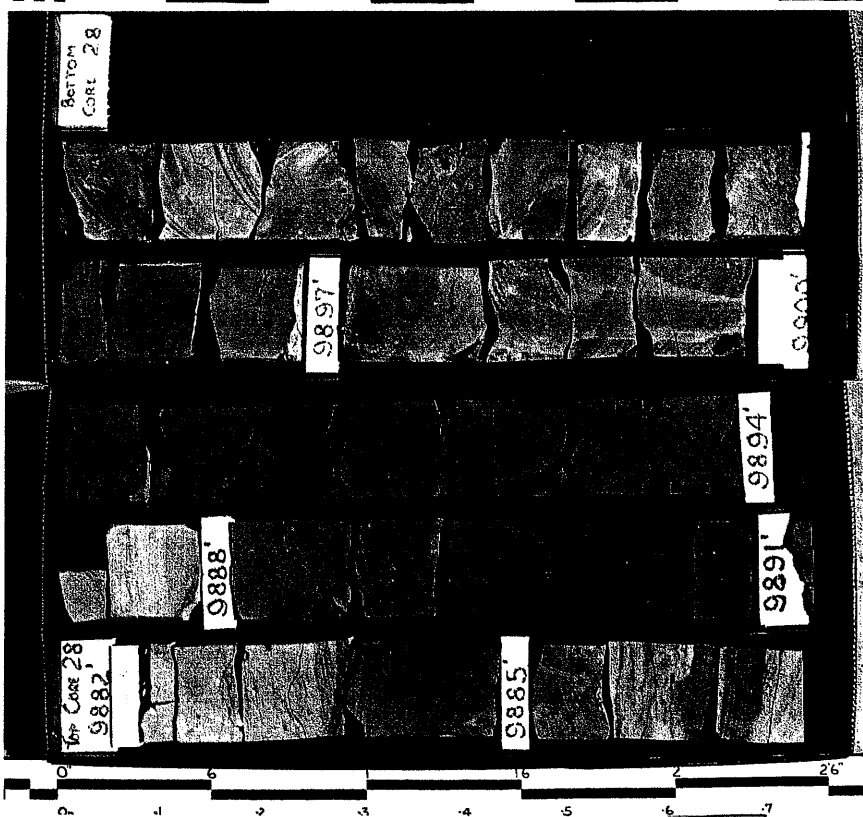
CORE 27 : 9259' - 9290' CUT 31' - REC. 31'

WET



DEPT. NAT. RES & ENV

 PE905048



SNAPPER 1 CORES 28, 29 DRY

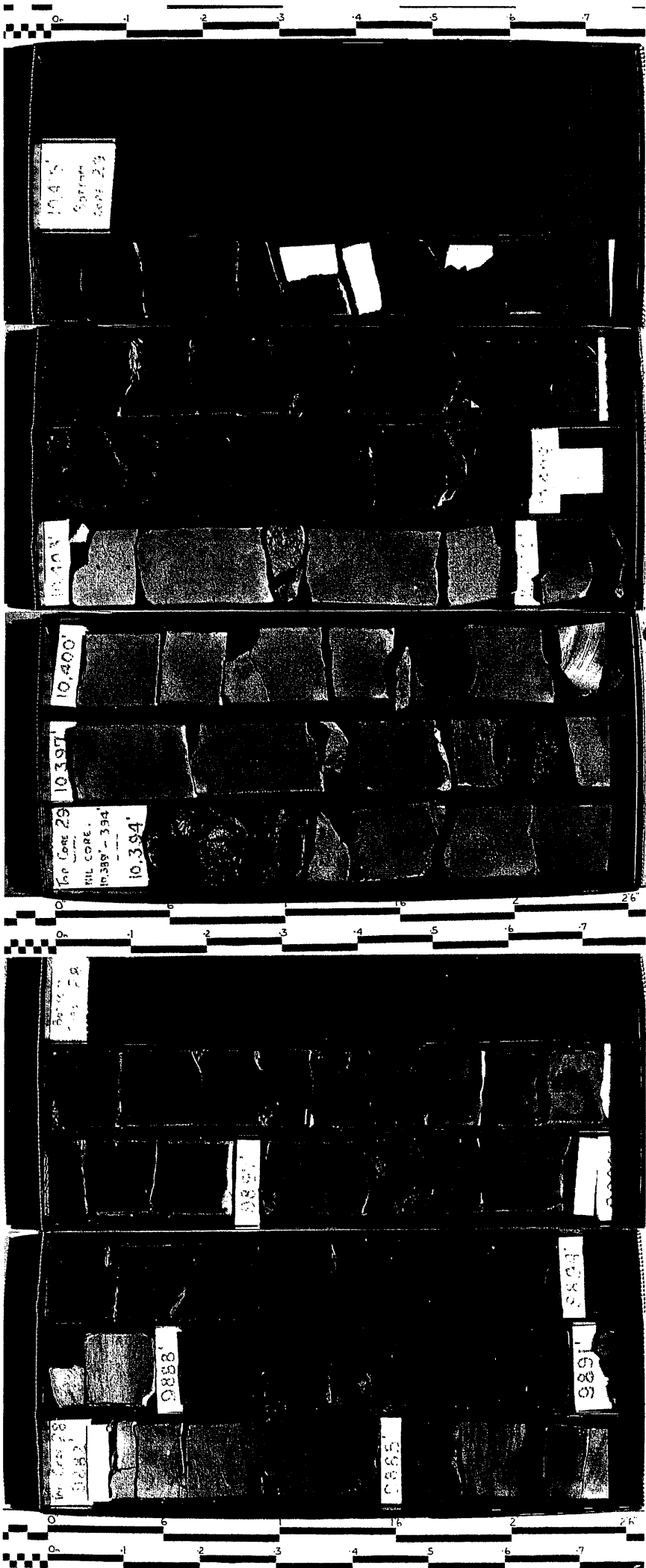
CORE 28 : 9882' - 9908' CUT 21' - REC. 21'

CORE 29 : 10,389' - 10,415' CUT 26' - REC. 25'

DEPT. NAT. RES & ENV

 PE905049

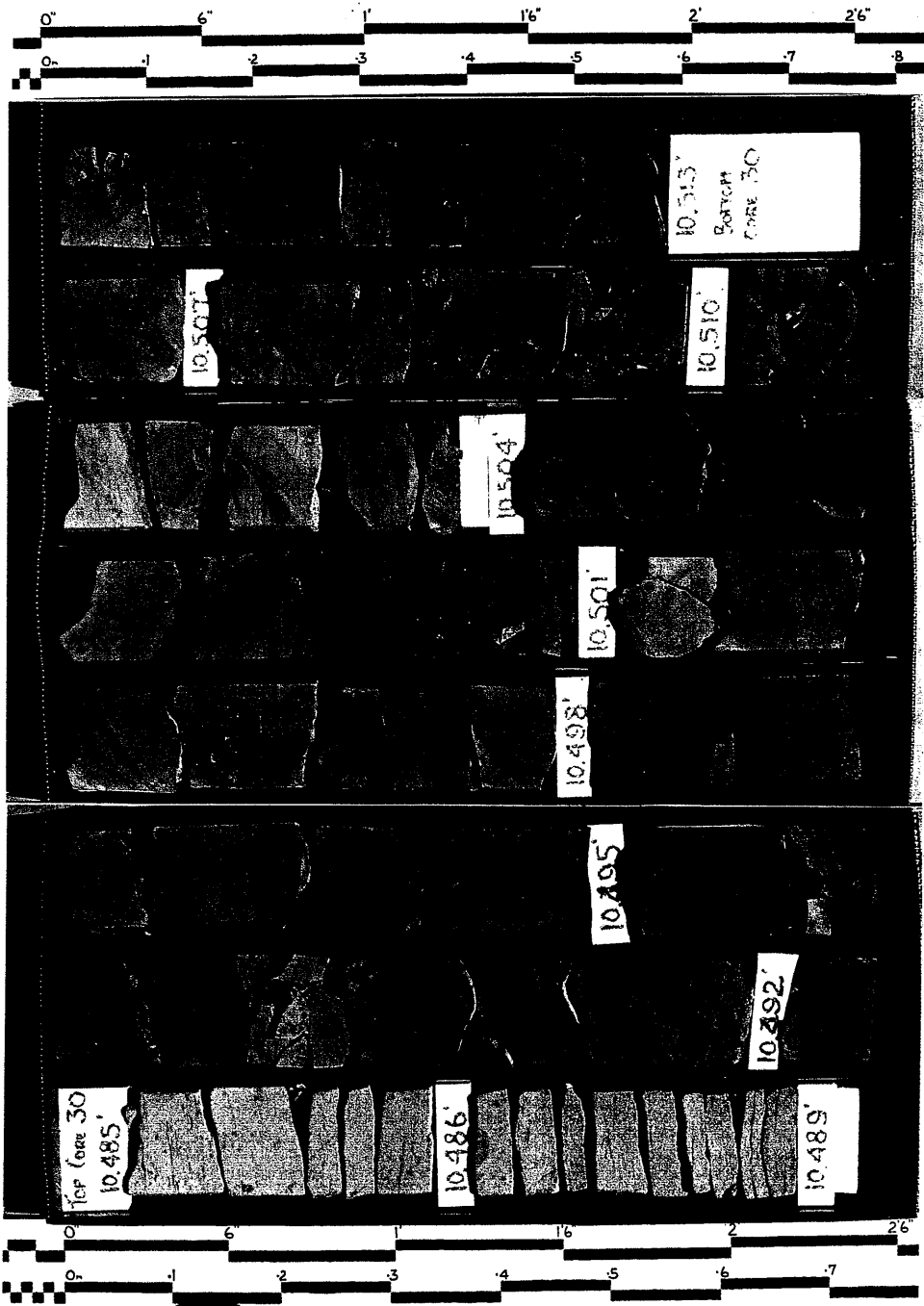
WET



DEPT. NAT. RES & ENV



PE905050

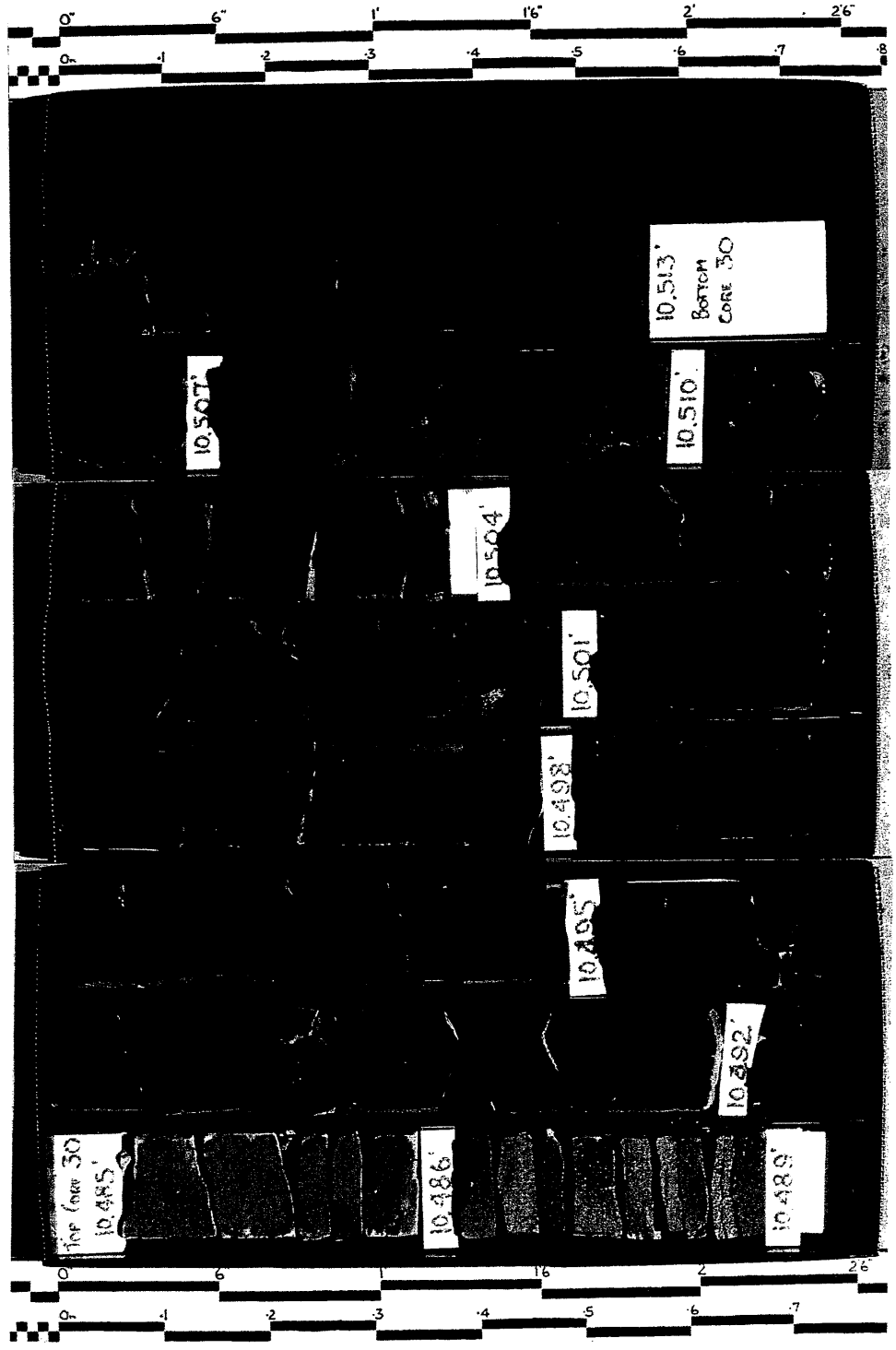


SNAPPER 1 CORE 30 DRY

10,485' - 10,513' CUT 28' - REC. 28'

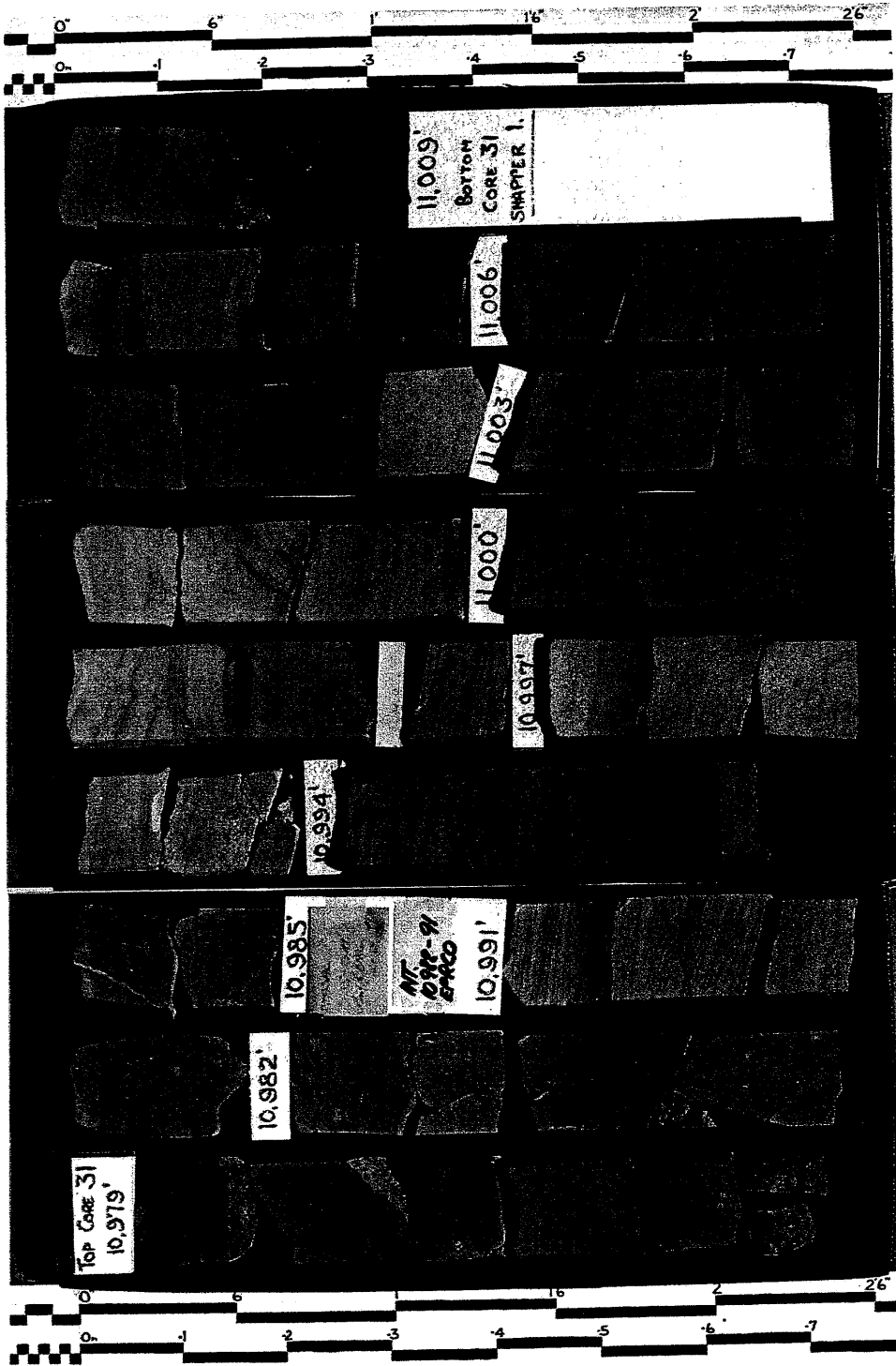
DEPT. NAT. RES & ENV
PE905051

NET



DEPT. NAT. RES & ENV

 PE905052

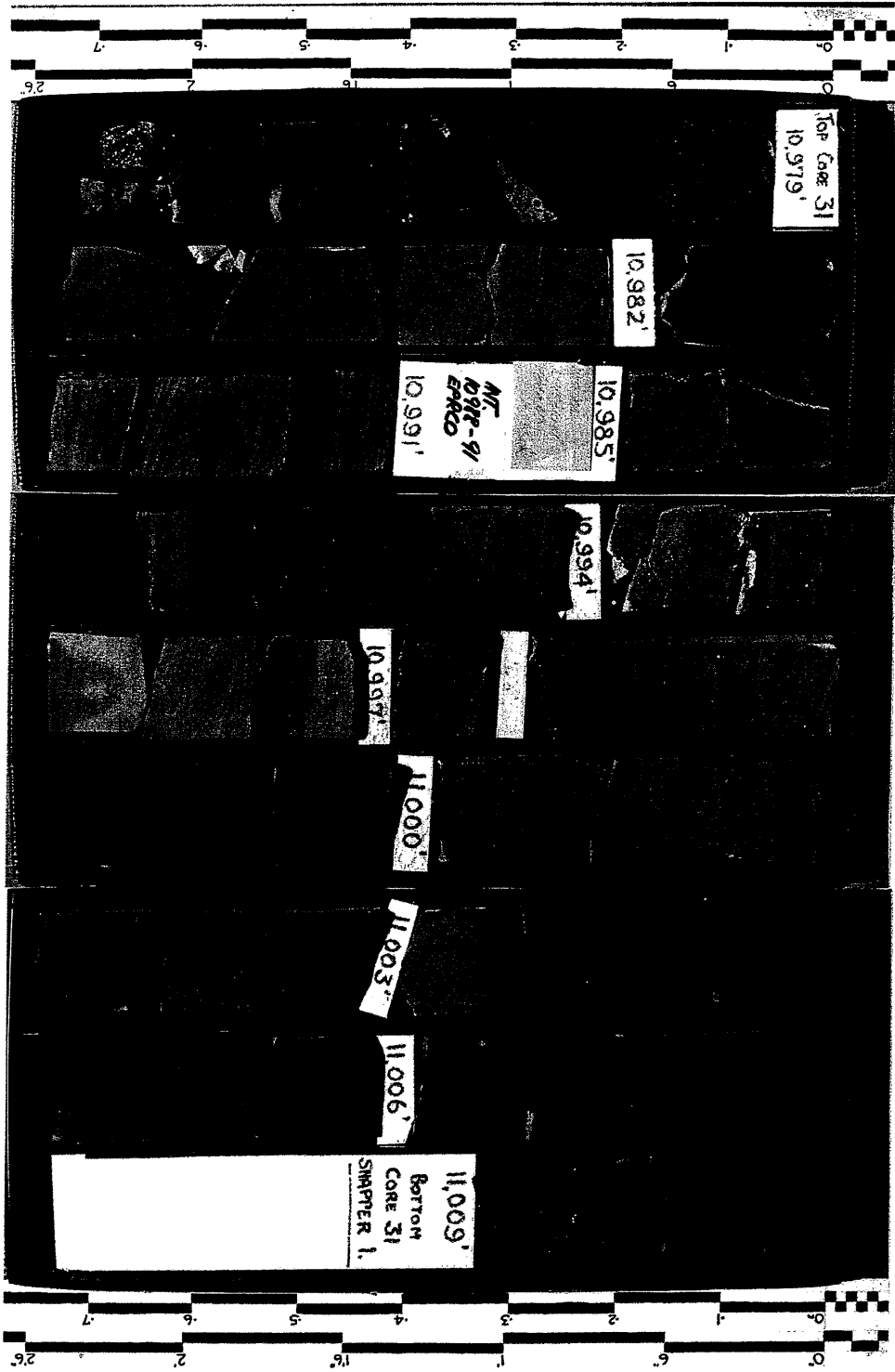


DRY

CORE 31

SNAPPER 1

10,979' - 11,009' CUT 30' - REC. 30'



NET

SNAPPER-2

SNAPPER-2

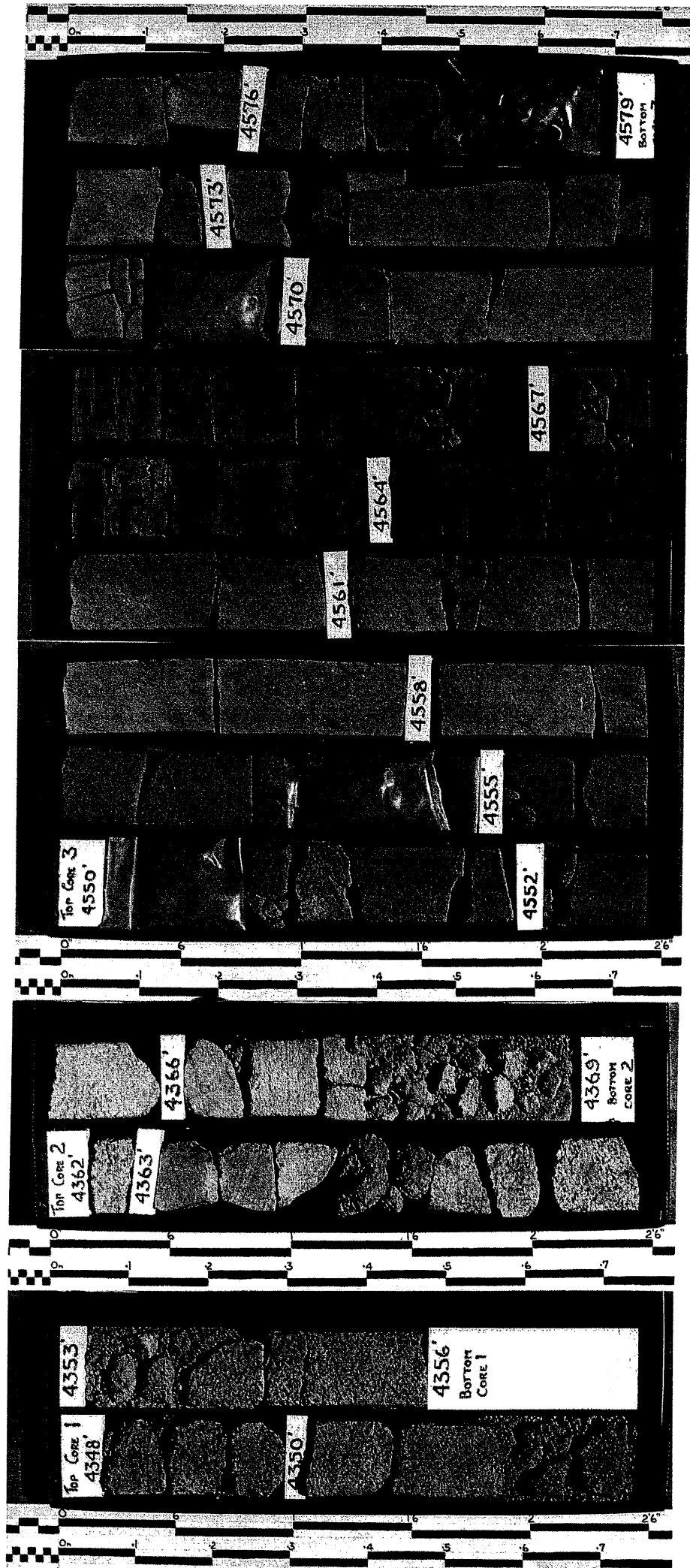
PE905055 to PE905071

This is an enclosure indicator page.
The enclosure PE905055 to PE905071 is enclosed within the
container PE905020 at this location in this
document.

The enclosure PE905055 to PE905071 has the following
characteristics:

ITEM_BARCODE = PE905055 to PE905071
CONTAINER_BARCODE = PE905020
NAME = Core 1-10 photographs - dry
BASIN = GIPPSLAND
PERMIT =
TYPE = WELL
SUBTYPE = CORE_PHOTOS
DESCRIPTION = Core 1-10 photographs - dry Core
(enclosures from Snapper Core
Photographs Report-Attachment to WCR)
for Snapper-2.
REMARKS =
DATE_CREATED = 31/10/80
DATE_RECEIVED = 2/06/88
W_NO = W550
WELL_NAME = SNAPPER-2
CONTRACTOR =
CLIENT_OP_CO = ESSO AUSTRALIA LIMITED

(Inserted by DNRE - Vic Govt Mines Dept)



SNAPPER 2 CORES 1, 2, 3 DRY

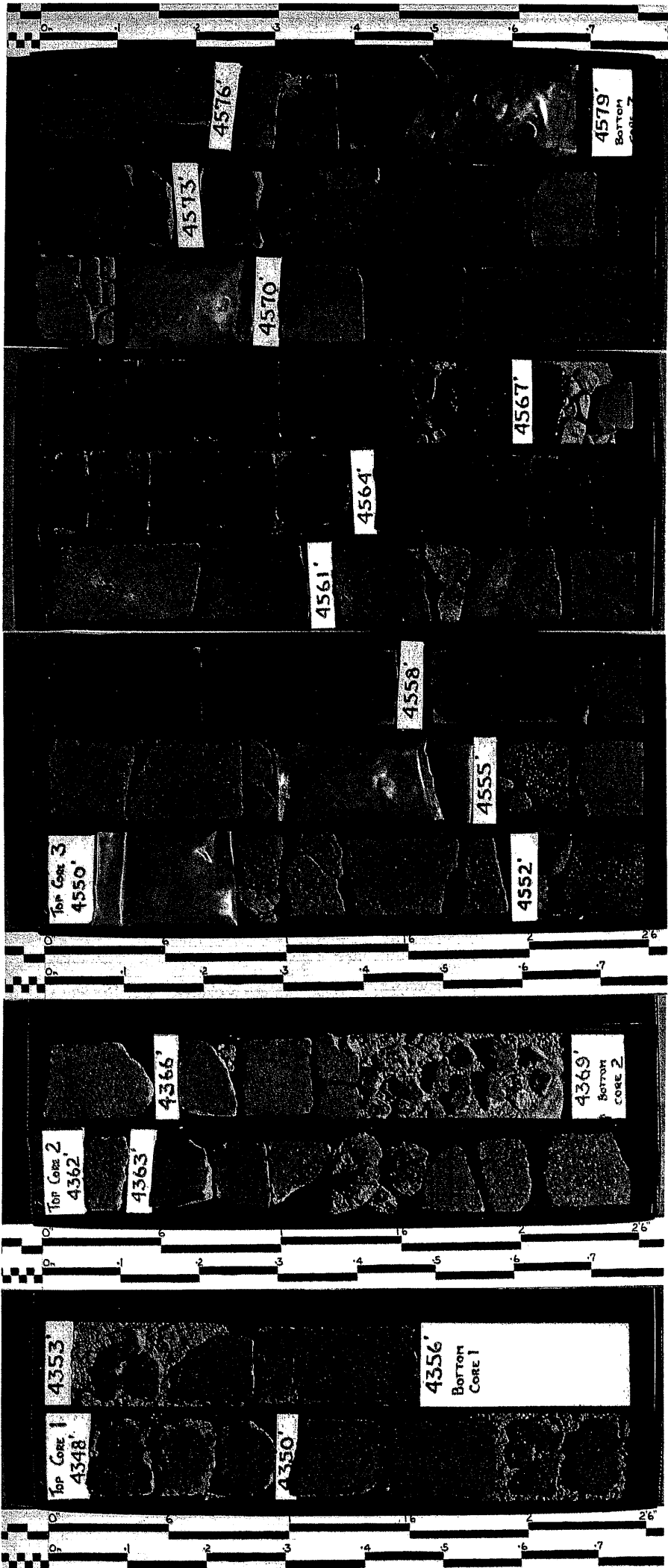
CORE 1 : 4348' - 4362' CUT 14' - REC. 8'
 CORE 2 : 4362' - 4392' CUT 30' - REC. 7'
 CORE 3 : 4550' - 4599' CUT 49' - REC. 29'

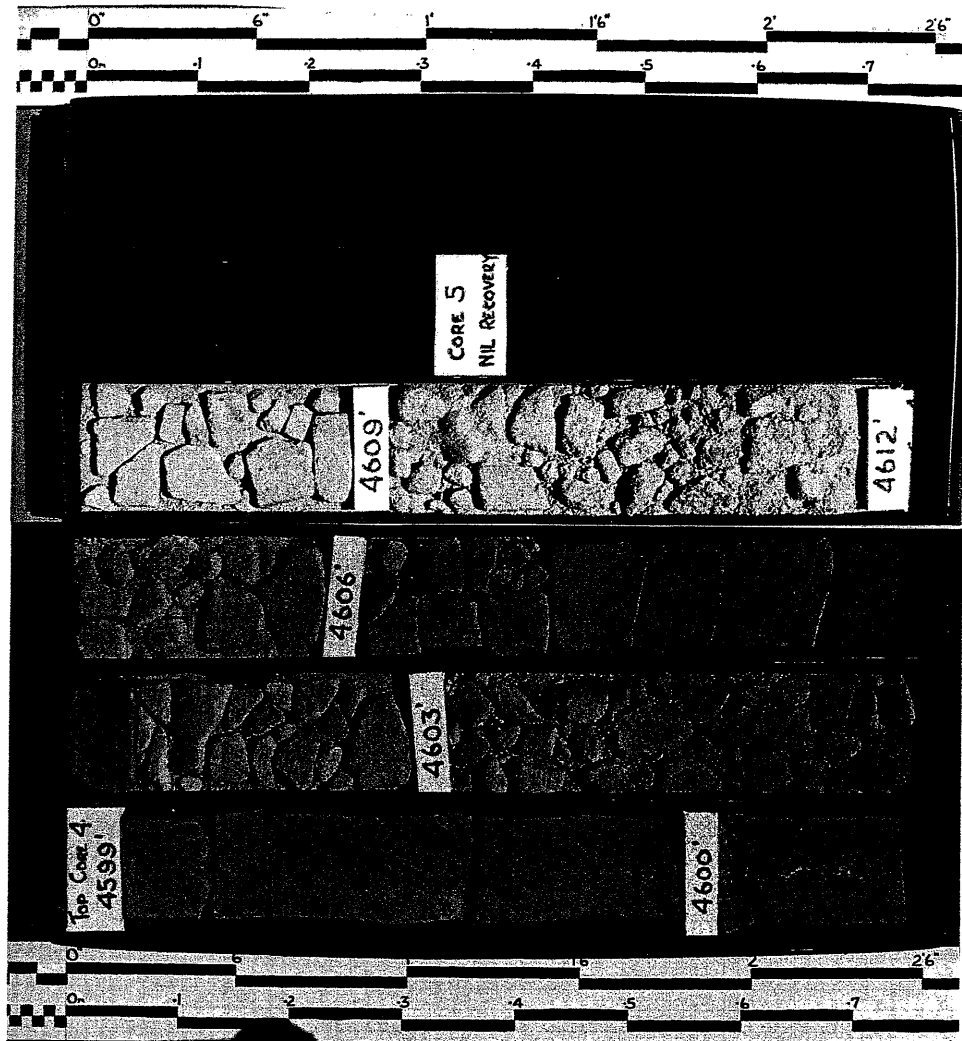
DEPT. NAT. RES & ENV



PE905055

WET





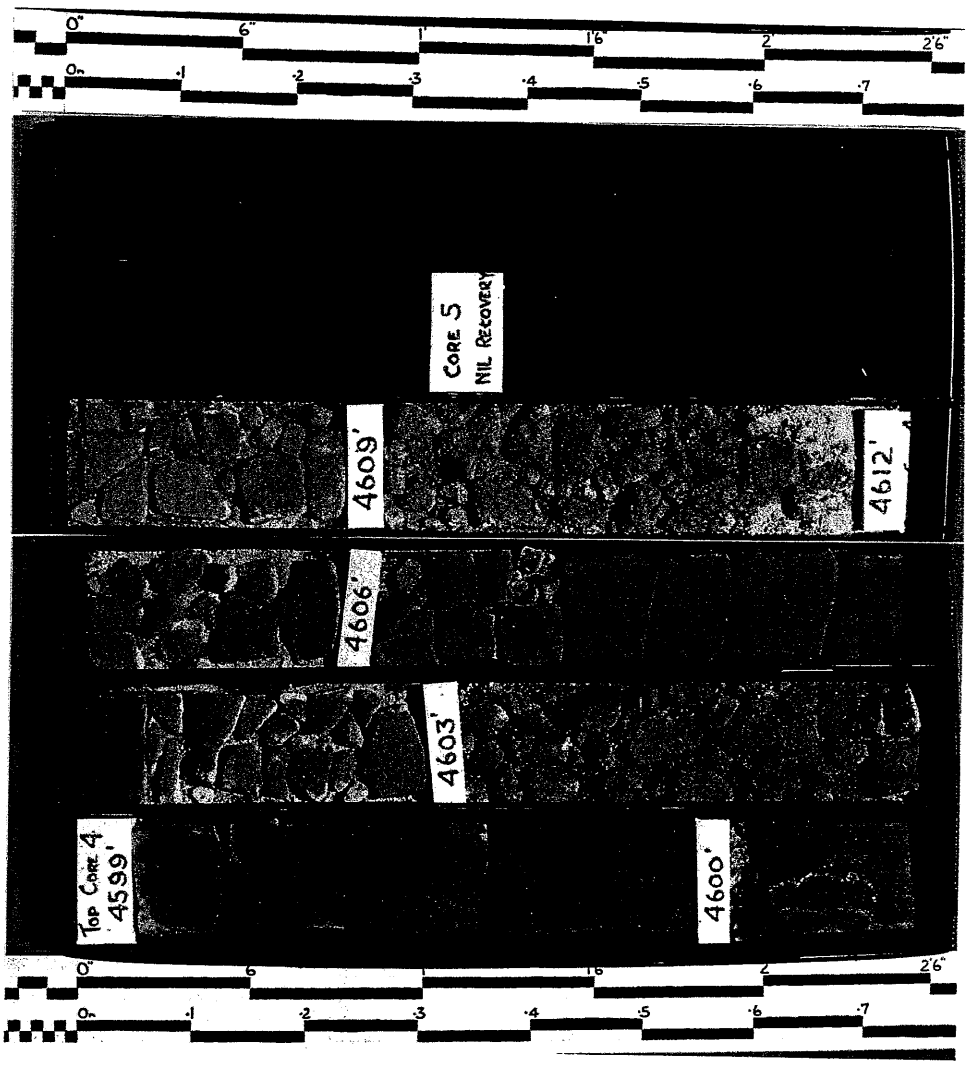
SNAPPER 2 CORE 4 DRY

4599' - 4614' CUT 49' - REC. 29'

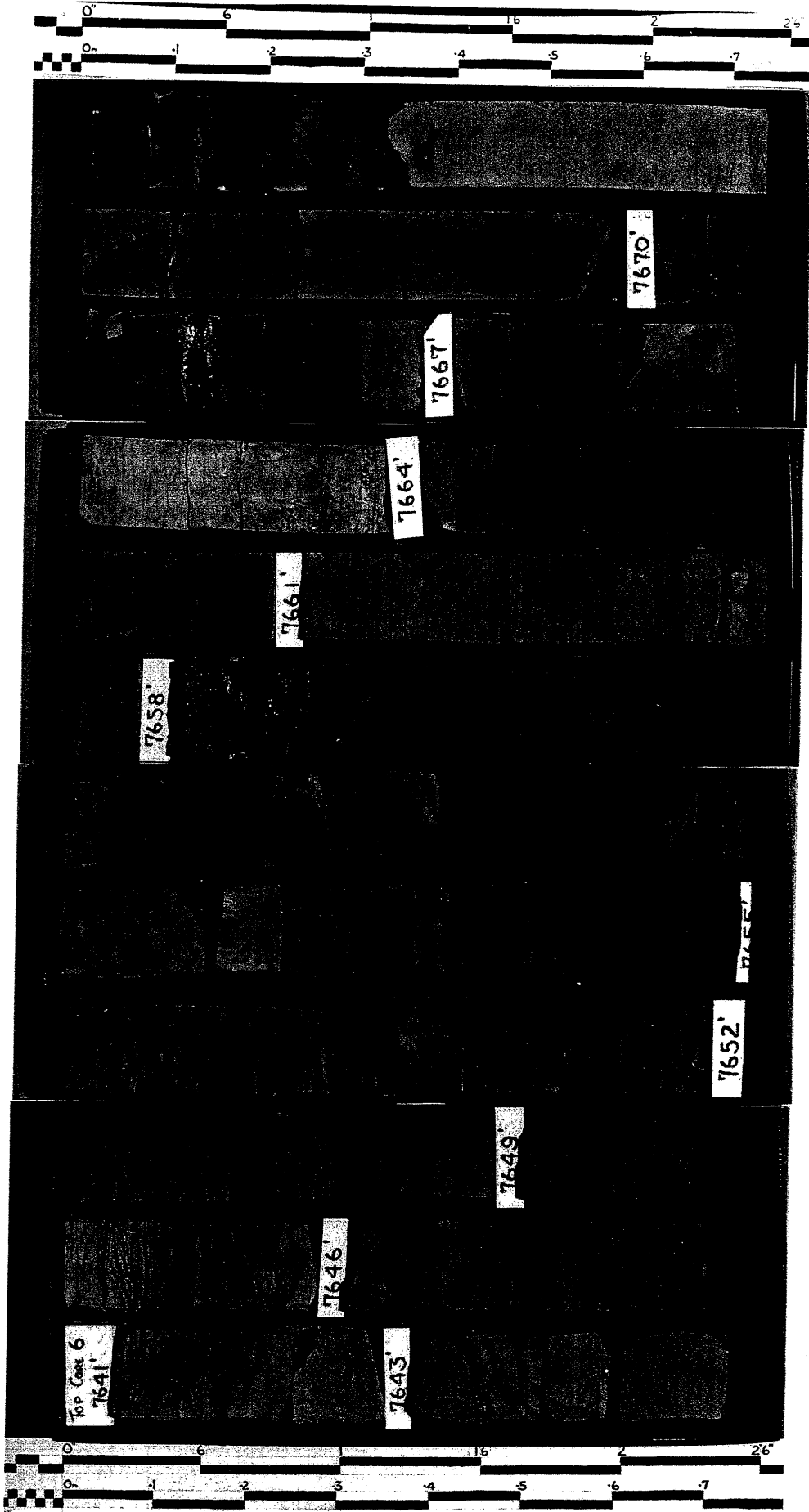
CORE 5 : NO RECOVERY

DEPT. NAT. RES & ENV
PE905057

NET



DEPT. NAT. RES & ENV
PE905058

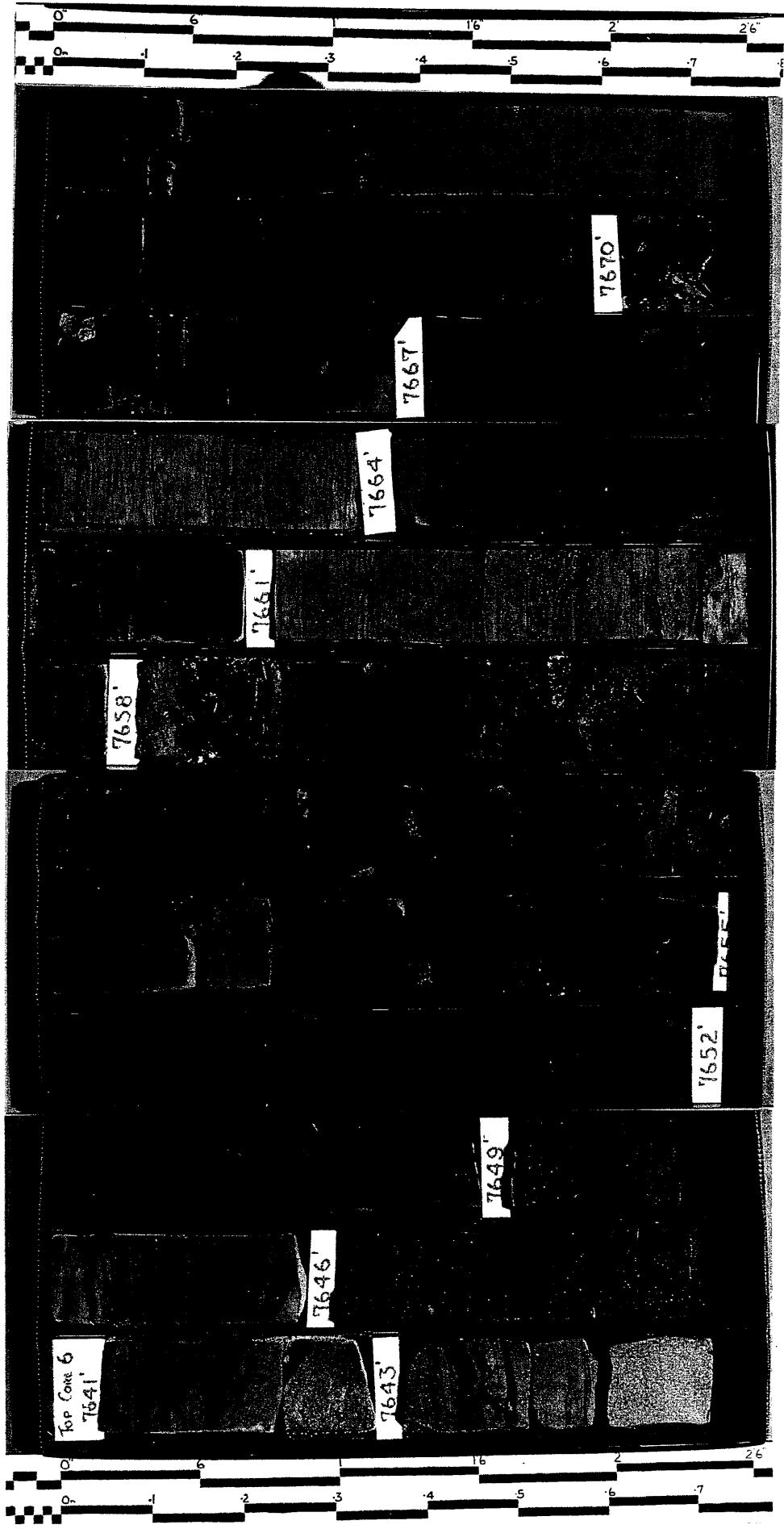


CON

SNAPPER 2 CORE 6 DRY

7641' - 7700' CUT 59' - REC. 59'

DEPT. NAT. RES & ENV
PE905059



DEPT. NAT. RES & ENV

 PE905060



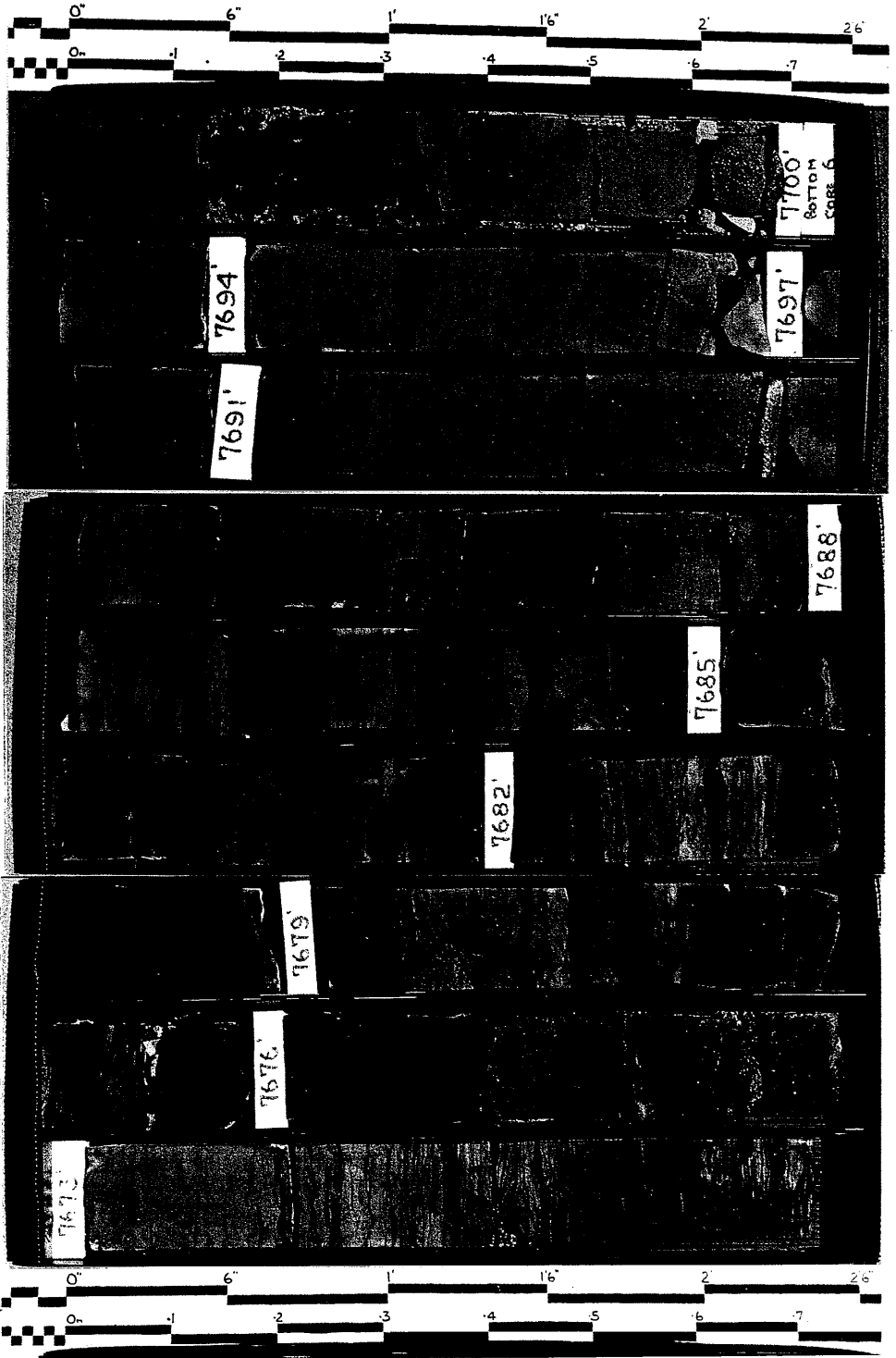
DRY

CORE 6 CONTINUED

7641' - 7700' CUT 59' - REC. 59'

DEPT. NAT. RES & ENV
PE905061

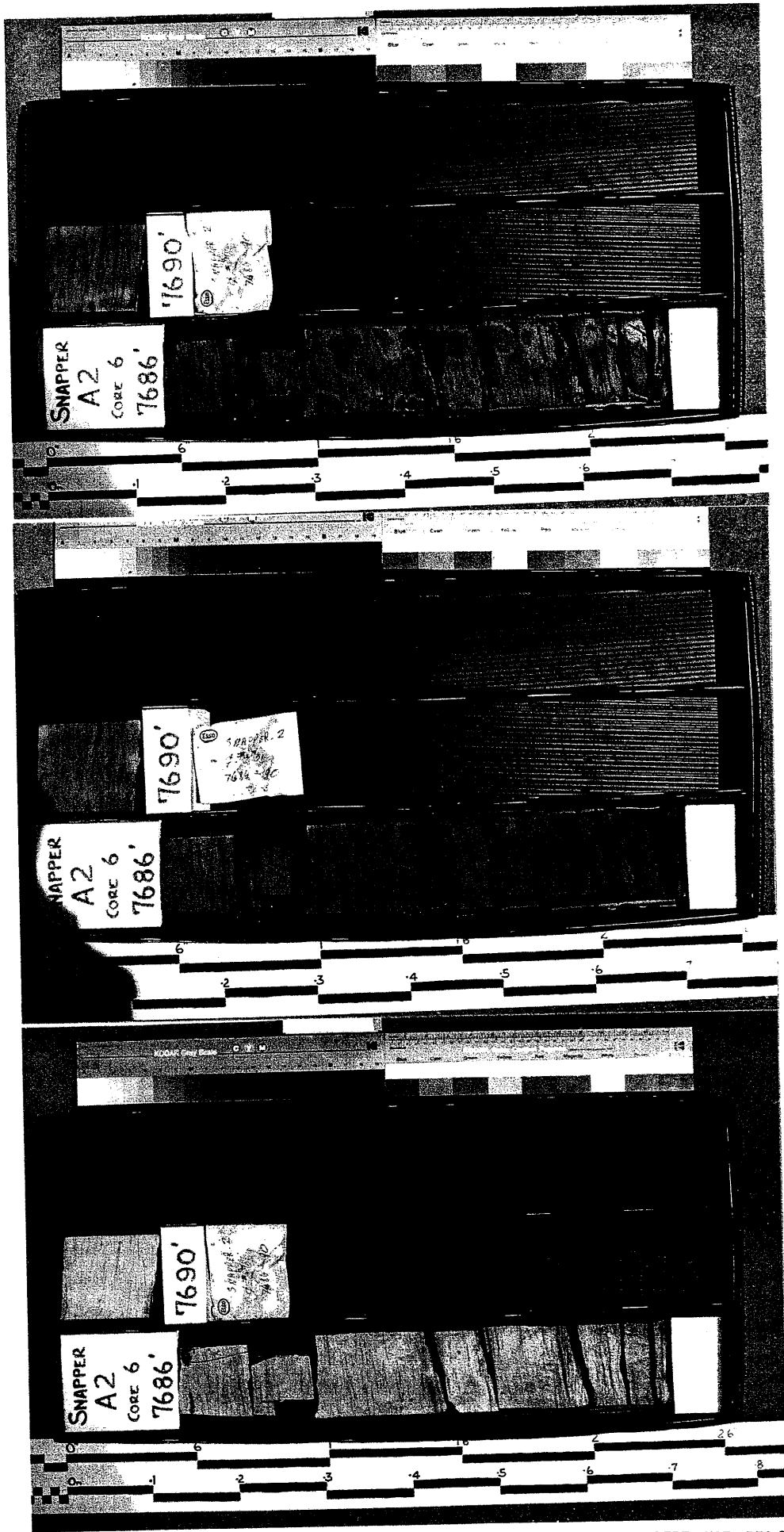
NET



DEPT. NAT. RES & ENV



PE905062



DEPT. NAT. RES & ENV



PE905063

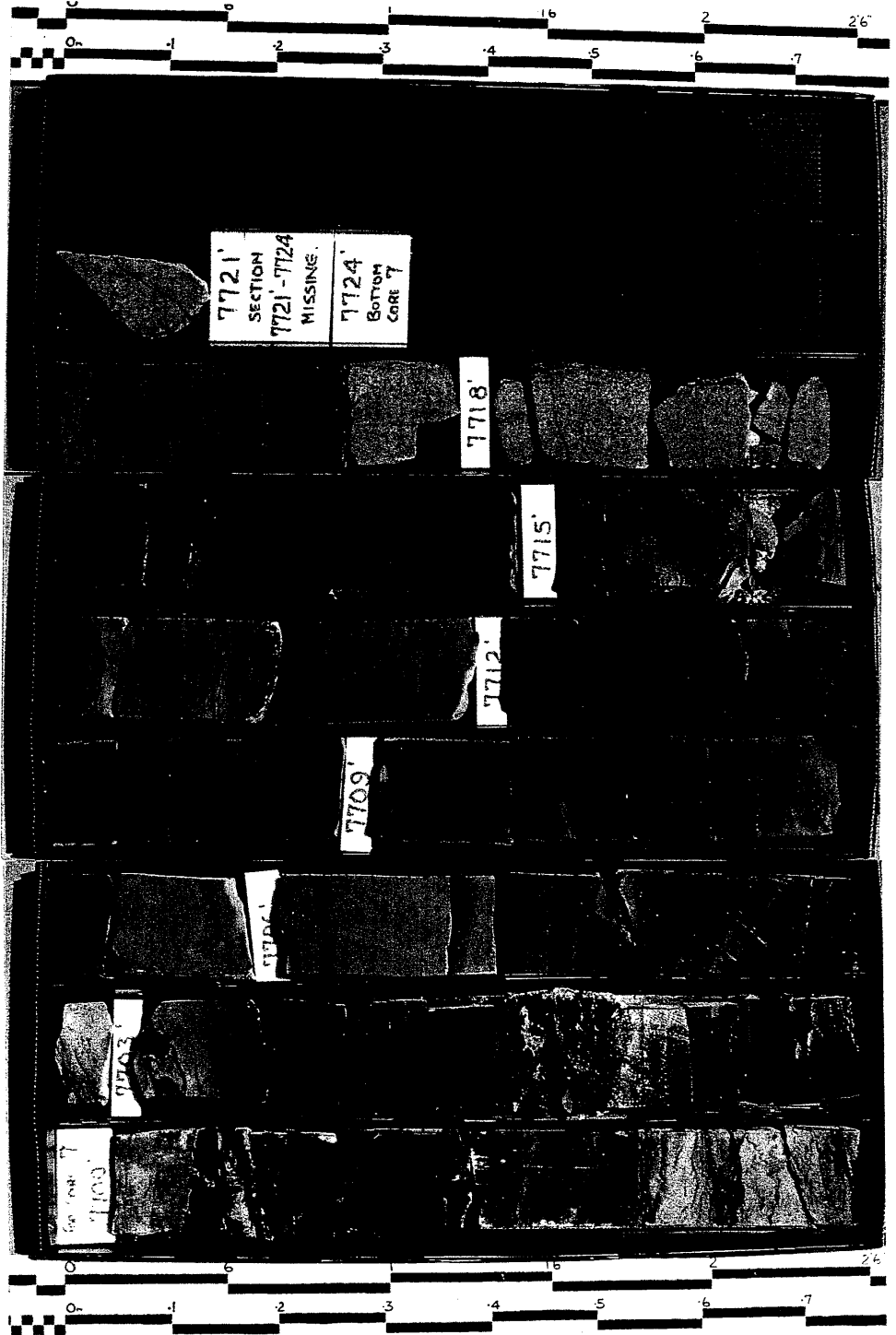


SNAPPER 2 CORE 7 DRY

7700' - 7727' CUT 27' - REC. 24'

DEPT. NAT. RES & ENV
PE905064

NET

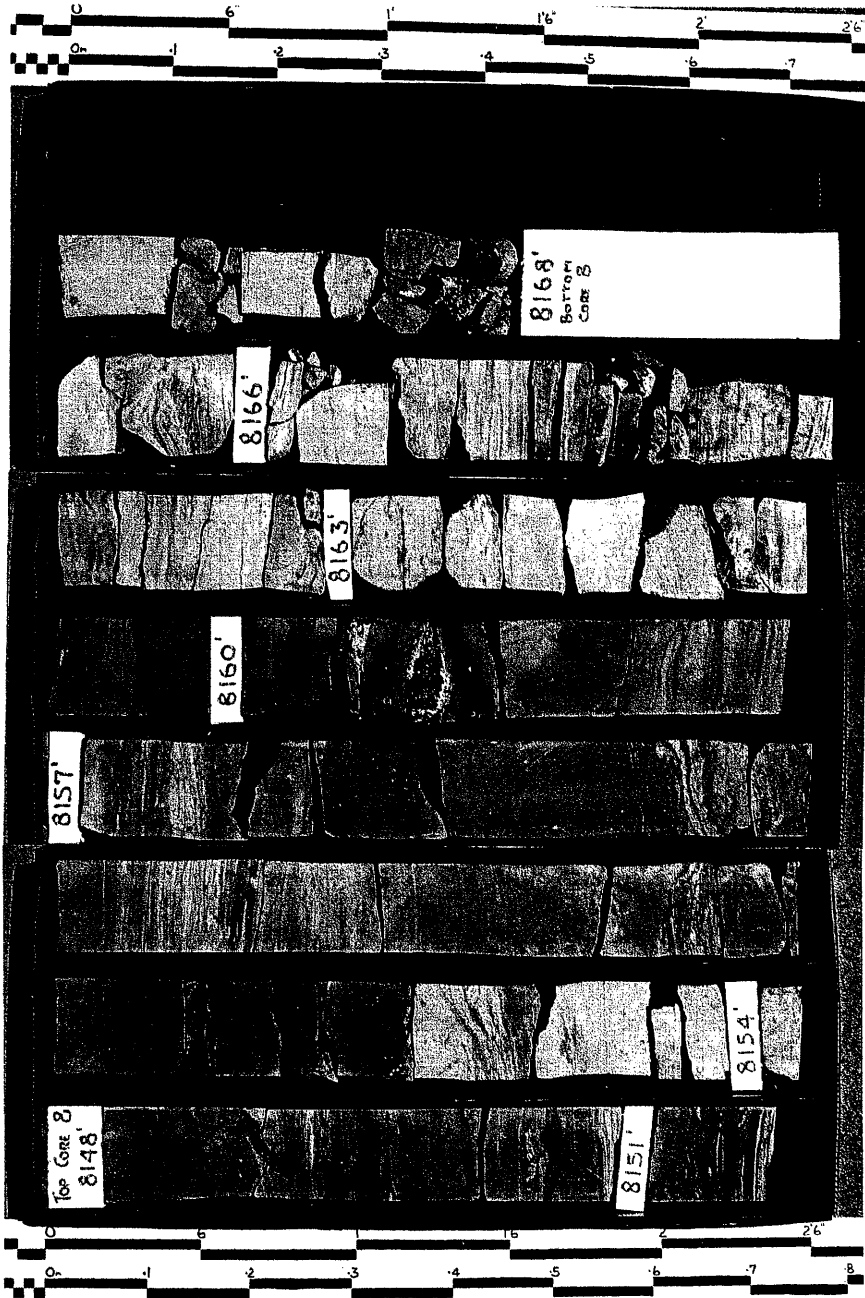
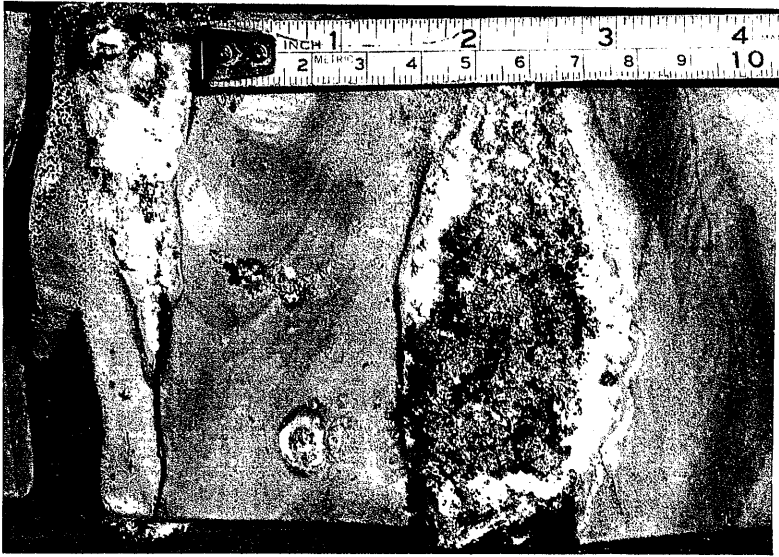


DEPT. NAT. RES & ENV



PE905065

8160



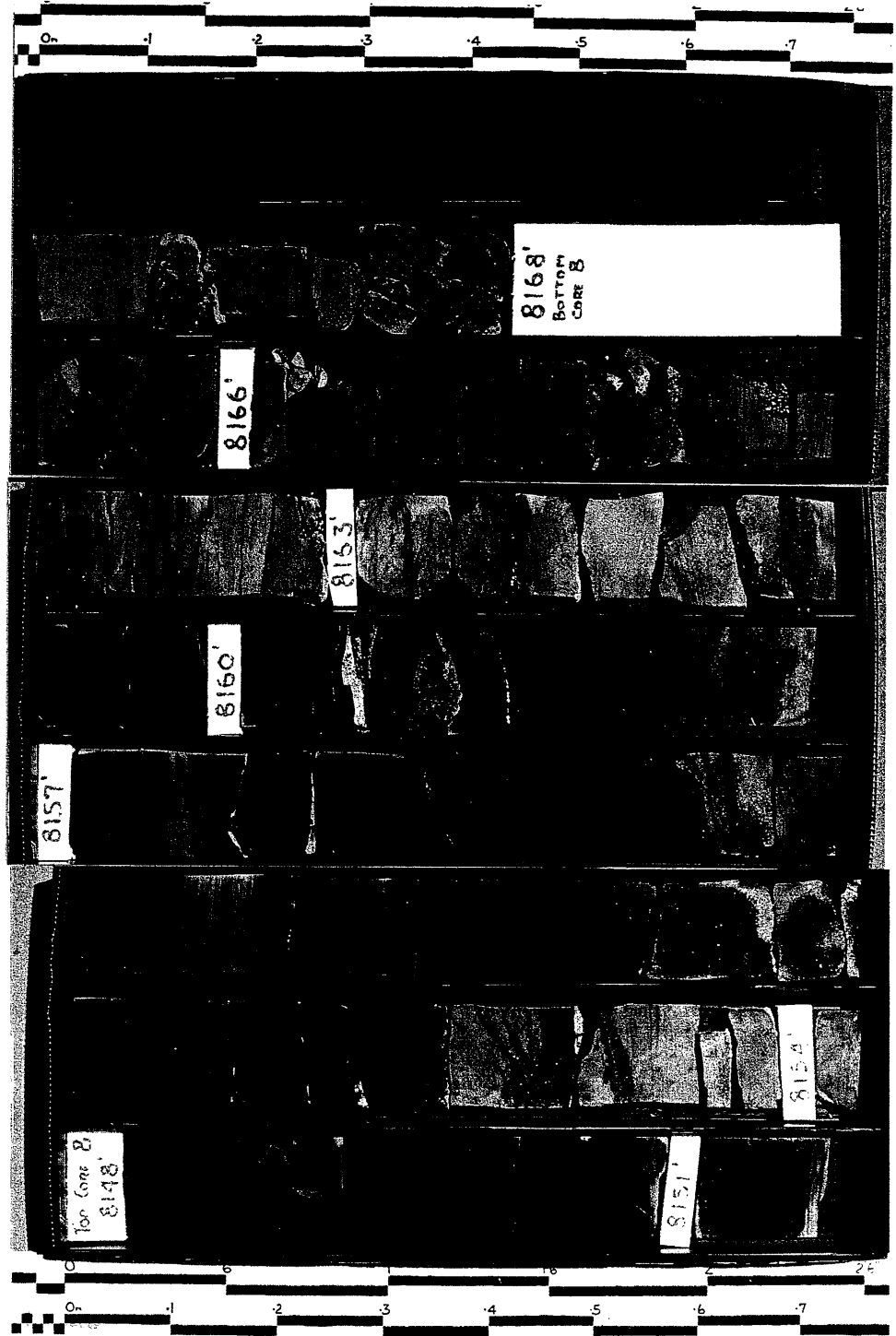
DRY

CORE 8

SNAPPER 2

8148' - 8171' CUT 23' - REC. 20'

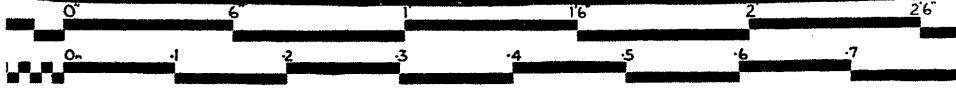
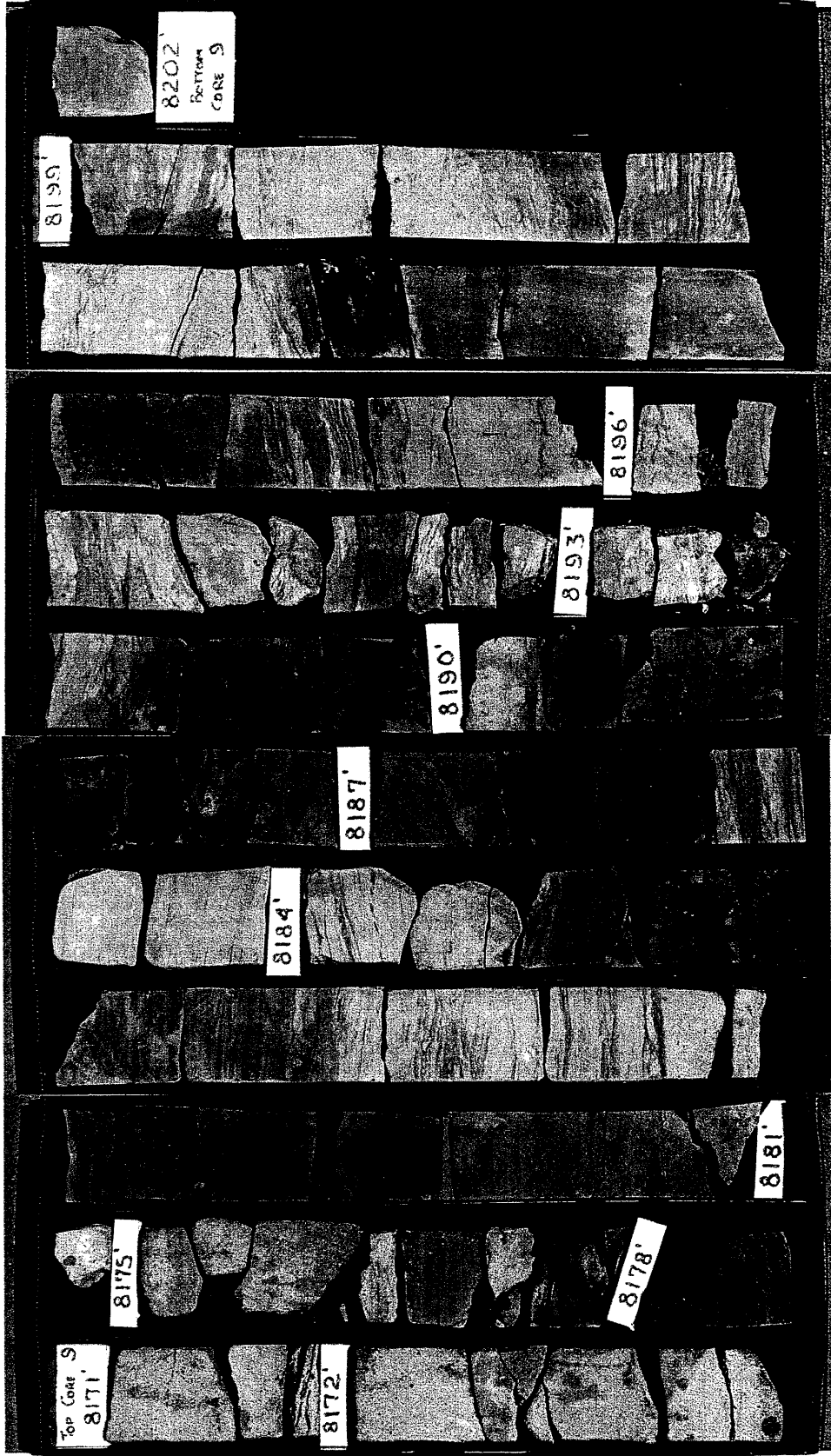
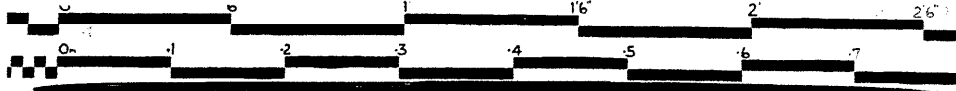
WET



DEPT. NAT. RES & ENV



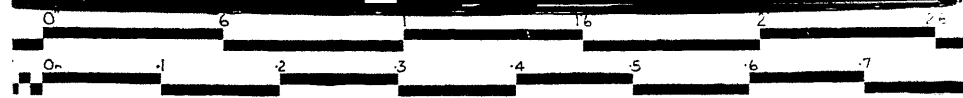
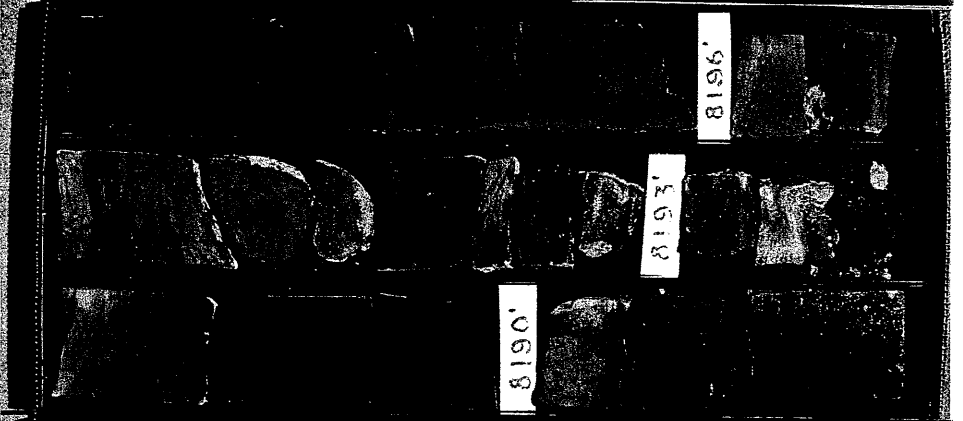
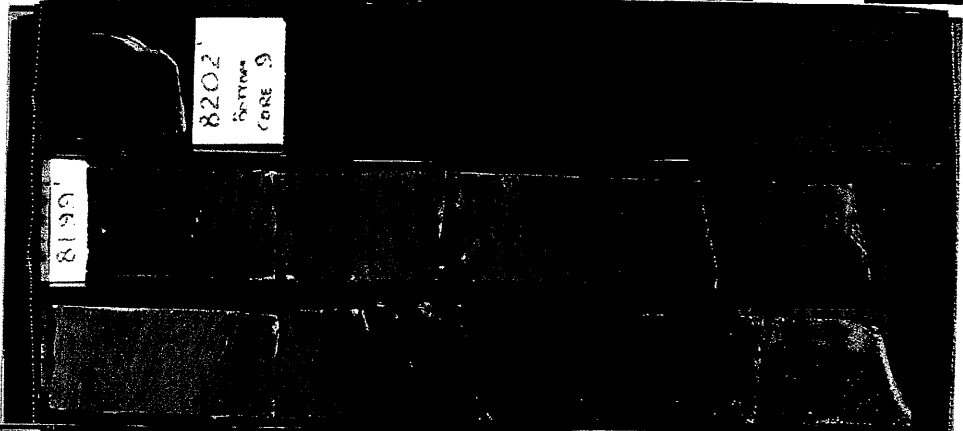
PE905067



SNAPPER 2 CORE 9 DRY

8171' - 8211' CUT 40' - REC. 31'

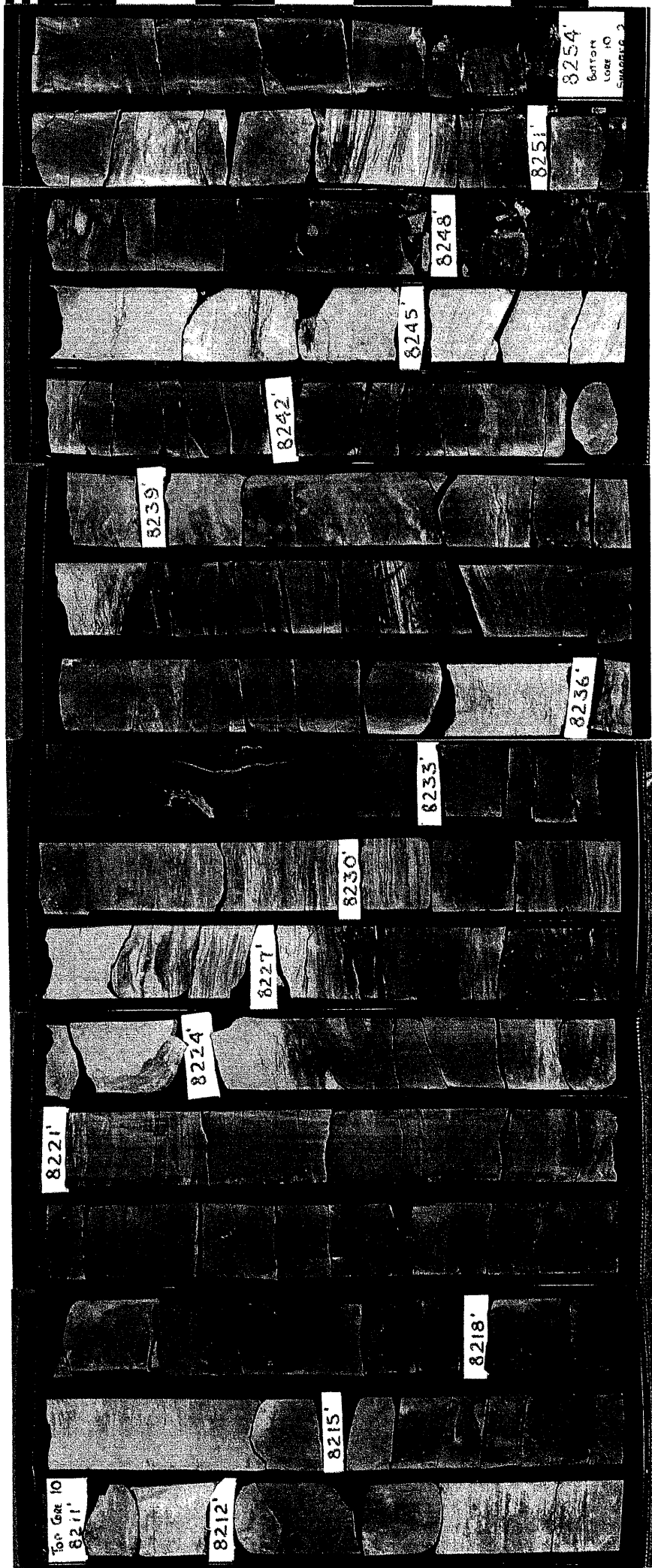
DEPT. NAT. RES & ENV
PE905068



DEPT. NAT. RES & ENV



PE905069



DRY

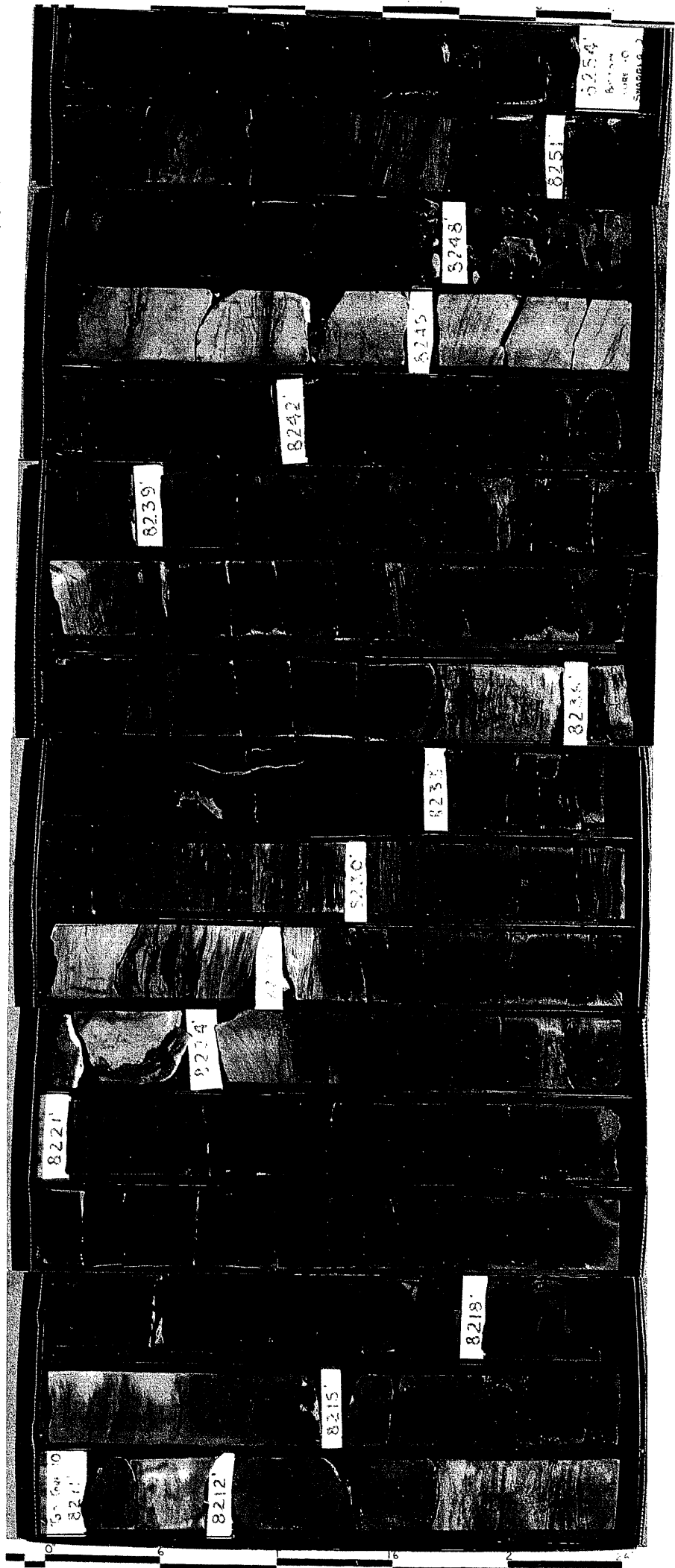
CORE 10

SNAPPER 2

8211' - 8254' CUT 43' - REC. 43'

DEPT. NAT. RES & ENV
PE905070

WET



DEPT. NAT. RES & ENV



PE905071