

CORNWALL No. 2 BORE:

Complete log.

Depth	Description	Thickness	Sample No.
102' 8" - 103'	Dolerite	4"	
103' - 108	Grey broken Shale	5'	
108 - 110	Light grey siltstone	2'	
110 - 117' 4"	Dark grey siltstone c. carb. bands	6' 9"	
117' 4" - 119' 11"	Sandy carb. Shale - banded	2' 7"	
119' 11" - 125' 5"	Very light coloured Shale or siltstone	5'	
125' 5" - 129' 2 1/2"	Carb. Shale	3' 9 1/2"	
129' 2 1/2" - 132' 6"	Interbanded grey and black shale		Sample No. (1)
132' 6" - 135' 8"	Interbanded grey, white, and carb. shale	3' 2"	(2)
	Thin Coal layers 132' 8" - 133' 2", 133' 9" - 134' 1", 134' 9 1/2" - 135' 3"		
135' 8" - 136' 2 1/2"	Sandy Shale (grey)	6 1/2"	
136' 2 1/2" - 136' 11"	Interbanded black and grey shale	8 1/2"	
136' 11" - 139' 0"	Interbanded coal and carbonaceous shale	2' 1"	(3A)
139' 0" - 142' 10"	Coal	3' 10"	(4)
142' 10" - 145' 11"	Carbonaceous shale	3' 1"	
145' 11" - 147' 4 1/2"	Sandy shale	2' 5 1/2"	
147' 4 1/2" - 148' 7 1/2"	Interbanded black and grey shale	1' 3 1/2"	
148' 7 1/2" - 149' 6"	Carb. shale with coal layers (1.8)G)1.6)	10 1/2"	(5)
149' 6" - 149' 7"	Grey shale	1"	
149' 7" - 151' 8 1/2"	Carb. shale	2' 1 1/2"	
151' 8 1/2" - 152' 1"	Carb. shale (1.8)SG)1.6)	4 1/2"	
152' 1" - 152' 10 1/2"	Coal (SG)1.6) Recovery 6 1/2/9 1/2	9 1/2"	
152' 10 1/2" - 152' 11"	Sandstone	2 1/2"	
152' 11" - 153' 7"	Coal (SG)1.6)	6"	(6)
153' 7" - 153' 11 1/2"	Carb. shale (1.8)SG)1.6)	4 1/2"	
153' 11 1/2" - 154' 8"	Coal (SG)1.6)	8 1/2"	
154' 8" - 154' 9 1/2"	Carb. shale (1.8)SG)1.6)	1"	
154' 9 1/2" - 154' 10"	Grey shale	2 1/2"	
154' 10" - 155' 3"	Carb. shale (1.8)SG)1.6)	5 1/2"	
155' 3" - 155' 5 1/2"	Coal (SG)1.6)	2 1/2"	
155' 5 1/2" - 155' 6"	Grey shale	2 1/2"	
155' 6" - 156' 3"	Shale with carb. bands	9"	
156' 3" - 160' 4 1/2"	Interbanded grey and black shale with two 5" coal seams.	4' 1 1/2"	(7)
160' 4 1/2" - 163' 7 1/2"	Impure coal, black, grey and white shale bands.	3' 3"	(8)
163' 7 1/2" - 163' 10 1/2"	Clayey shale band and Carbonaceous shale band.	3"	
163' 10 1/2" - 165' 4"	black and grey shale with 9" coal band	1' 5 1/2"	(9)
165' 4" - 166' 1"	Clayey shale	9"	
166' 1" - 166' 8"	Coal	7"	(10)
166' 8" - 167' 6 1/2"	Black shale with coal	10 1/2"	
167' 6 1/2" - 168' 6"	Sandy shale and carbonaceous bands	11"	
168' 6" - 171' 1 1/2"	black grey and white slate shale	2' 7 1/2"	
171' 1 1/2" - 172' 1 1/2"	Coal	1'	(11)
172' 1 1/2" - 174' 9"	dark shale and impure coal	2' 7 1/2"	
174' 9" - 174' 11"	impure coal	2"	
174' 11" - 175' 6 1/2"	Grey and white shale and carbonaceous shale	7 1/2"	(12)
175' 6 1/2" - 176' 0"	impure coal	5 1/2"	
176' 0" - 176' 4"	sandstone	4"	
176' 4" - 179' 6"	hard shale with 3" carbonaceous and 1" clay band	3' 2"	
179' 6" - 180' 10"	hard brown and grey shale	1' 4"	
180' 10" - 189' 0"	grey shale, few sandy and carboneous bands	8' 2"	
189' 0" - 191' 6"	grey and black banded shale	2' 6"	
191' 6" - 194' 3"	grey and white shale with coal band at 193' 5"	2' 9"	
194' 3" - 199' 4"	Regular bands of grey and black shale one coal band 3"	5' 1"	

DATE	NO.	CC	CCM	ACIM
REGISTRAR				
E. I. L.				

BORE LOG

CORNWALL No. 2 BORE

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199'4" - 200'4"	Light grey sandy shale	10"	
200'4" - 201'4"	Coal and grey shale	1"	
201'4" - 202'4"	Brown shale	1'	
202'4" - 204'5 1/2"	Grey shale and 5" impure coal bands (two).	2'1 1/2"	
204'5 1/2" - 206'5"	Grey shale.	1'11 1/2"	
206'5" - 206'7 1/2"	Coal	1'2 1/2"	
206'7 1/2" - 209'	Grey and black shale, three 2-3" bands impure coal	2'4 1/2"	(18)
209' - 211'	Grey shale becoming sandy.	2'	
211' - 221'6"	Grey fine felspathic sandstone with one shale band.	10'6"	
221'6" - 224'	Felspathic sandstone	2'6"	
224' - 254'7"	Felspathic sandstone	30'7"	
254'7" - 273'6"	Felspathic sandstone	18'11"	
273'6" - 273'9 1/2"	Black Carbonaceous shale.	3 1/2"	
273'9 1/2" - 274'4 1/2"	Felspathic sandstone	7"	
274'4 1/2" - 275'	Coal	7 1/2"	(19)
275' - 275'6 1/2"	Felspathic sandstone	6 1/2"	
275'6 1/2" - 275'9"	Black carb. shale		
275'9" - 282'7"	Felspathic sandstone	6'10"	
282'7" - 287'3"	Felspathic sandstone	4'8"	
287'3" - 288'3"	Carb. shale and felsp. sandstone containing pellets of grey shale	1'	
288'3" - 296'10"	Felspathic sandstone	8'7"	
296'10" - 300'	Felspathic sandstone with many thin coal bands and shale	3'2"	
300' - 310'	Felspathic sandstone	10'	
310' - 333'6"	Felspathic sandstone calcite veins	23'6"	
333'6" - 338'	Grey and carb. shale-small slickensides	4'6"	
338' - 366'8"	Felspathic sandstone	28'8"	
336'8" - 403'	Felspathic sandstone	36'4"	Recovery
403' - 405'	Grey shale	2')	47'
405' - 406'2 1/2"	Black and white shale with coal bands	1'2 1/2"	(20)
406'2 1/2" - 409'	Coal	2'9 1/2"	(21A)
409' - 410'1"	Shale and coal bands	1'1"	
410'1" - 411'2"	Coal	1'2"	(21B)
411'3" - 413'6"	Grey shale	2'3"	
413'6" - 414'11"	White shale with coal bands	1'5"	
414'11" - 416'4"	Shale and sandstone with two coal bands	1'5"	
416'4" - 425'5"	Grey and black shale with sandstone	9'1"	
425'5" - 435'3"	Sandstone with grey shale bands	9'10"	
435'3" - 438'7"	Sandstone	3'4"	
438'7" - 439'	Grey shale	5"	
439' - 443'1 1/2"	Coal with two 3" shale bands	4' 1/2"	(25A & 26A)
443'1 1/2" - 443'8"	Black and grey shale	6 1/2"	
443'8" - 450'	Coal with one 1" shale band.	6'4"	(27)
450' - 454'5"	Dark grey shale	4'5"	9' recovered
454'5" - 461'9"	Light grey shale	7'4"	
461'9" - 465'	Coal	3'3"	(28)
465' - 512'	Felspathic sandstone	47'	
512' - 517'5"	Light grey friable shale	5'5"	

517'5"-531'	Light grey fine sandstone with occasional shale band	13'7"	
531' -552'	Felspathic sandstone	21'	
552' -560'6"	Sandstone with grey and black shale bands	8'6"	
560'6"-579'	Grey shale with sandy bands and felspathic at 571'-571'3"	18'6"	
579' -580'12 1/2"	Coal	1'2 1/2"	(29)
580'2 1/2"-580'11 1/2"	impure coal	9"	
580'11 1/2"-582'5"	Coal	2'5 1/2"	(30)
582'5" -593'	Grey sandy shale	10'7"	
593' -598'4"	Sandstone with fine bands of shale	5'4"	
598'4" - 601'8 1/2"	Coal	3'4 1/2"	
601'8 1/2"- 603'8"	Grey shale with two 4" coal bands	1'11 1/2"	
603'8" - 604'7"	Coal	11"	
604'7" - 606'3"	Sandstone	1'8"	
606'3" - 616'	Grey shale becoming sandy	9'9" 61/3	
616' - 620'4"	Sandstone with fine black bands	4'4") 2'6" recovered	
620'4" - 622'8"	Coal with one 1" grey shale band.	2'4" recovered	
622'8" - 637'2"	Felspathic sandstone	14'6") 4'6" recovered	(31)
637'2" - 637'6 1/2"	Grey and black shale	4 1/2") recovered	
637'6 1/2"- 638'2 1/2"	Coal	8"	(32)
638'2 1/2"- 639'4"	Coal with 1/4" band of white shale	1'11 1/2"	
639'4" - 642'5"	Dark grey shale with carbonaceous bands.	3'1"	
642'5" - 643'7"	Dark grey carbonaceous sandstone	1'2"	
643'7" - 644'2 1/2"	Black carb. shale	7 1/2"	
644'2 1/2"- 644'8"	Poor quality coal	5 1/2")	(33)
644'5" - 645'	Black shale	4"	
645' - 646'7"	Coal	1'7")	
646'7" - 648'	Carbonaceous sandstone	1'5"	
648' - 654'6"	Grey shale with 3" low quality coal	6'6" recovery	2'7"

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Analyses of Samples of Coal from Cornwall No. 2 Bore (1957).

Registered No.	Sample No.	Position	Moisture	V.C.M.	FIXED Carbon	Ash.	Sulphur	B.T.U's.
1417	3A	136'11"-138'11½"	3.8	17.0	29.5	49.7		
1418	4	138'11½"-143'4½"	3.6	20.5	40.6	35.3		
1419	6	151'8½"-155'6"	4.3.	21.5	37.0	37.2		
1420	21A	406'2½"-409'	3.3	21.7	34.2	40.8		
1421	21B	409'5"-411'4½"	3.6	22.8	30.2	43.4		
1422	25A	439' - 440'3½"	3.8	12.0	16.7	67.5		
1423	26A	440'3½"-443'1½"	3.3	24.3	46.9	28.5	0.24	9,880
1424	27	443'8"-450'	3.6	22.8	46.9	26.7	0.24	9,530
1425	28	461'9"-465'	3.9	20.2	30.9	45.0		
1426	29	579' -582'5"	3.9	19.4	36.1	40.6		
1427	30	598'4"-604'7"	4.9	18.4	39.3	37.4		
1428	31	620'4"-622'8"	3.4	21.9	43.1	31.6	0.24	8,730
1429	32	637'2"-639'4"	4.1	19.2	27.5	49.2		
1430	33	644'2½"-646'7"	3.3	20.5	3.4	42.2		