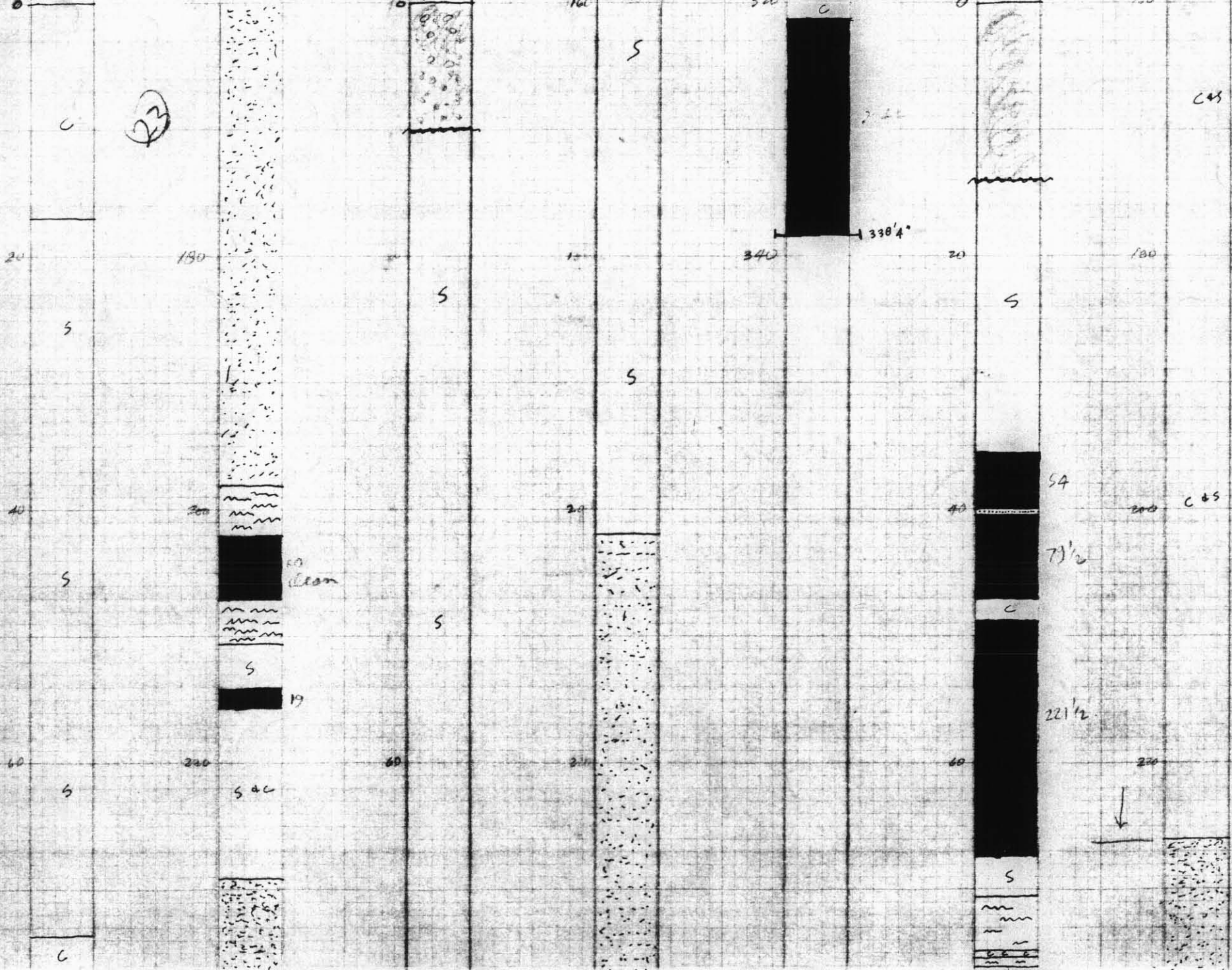


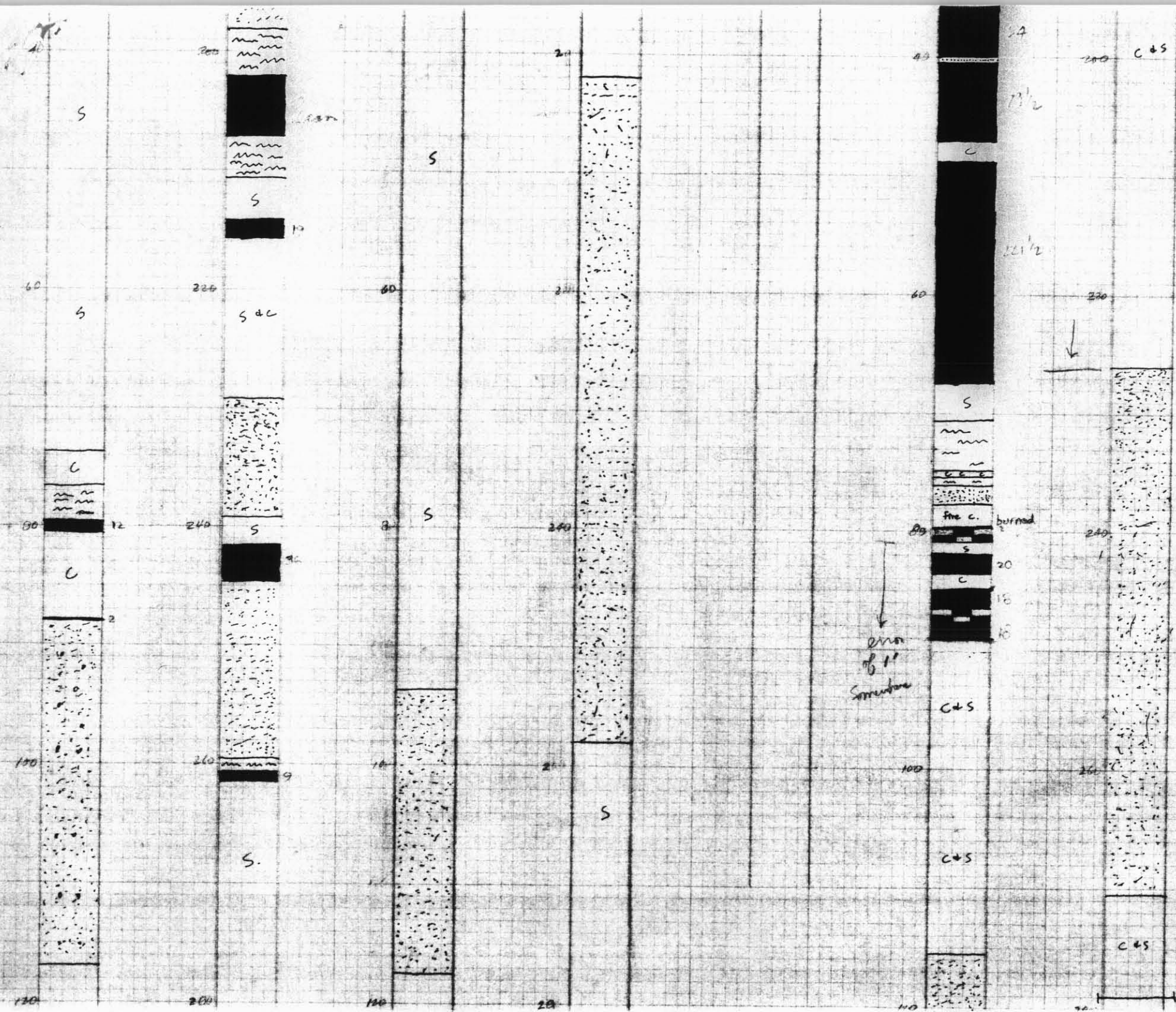
VFMDC BH#2  
(p. 119 Rice (1948))

VFMDC BH#3  
(p. 119 Rice (1947))

V.F.M.D.C. BH#1  
(p. 117 Rice (1944))

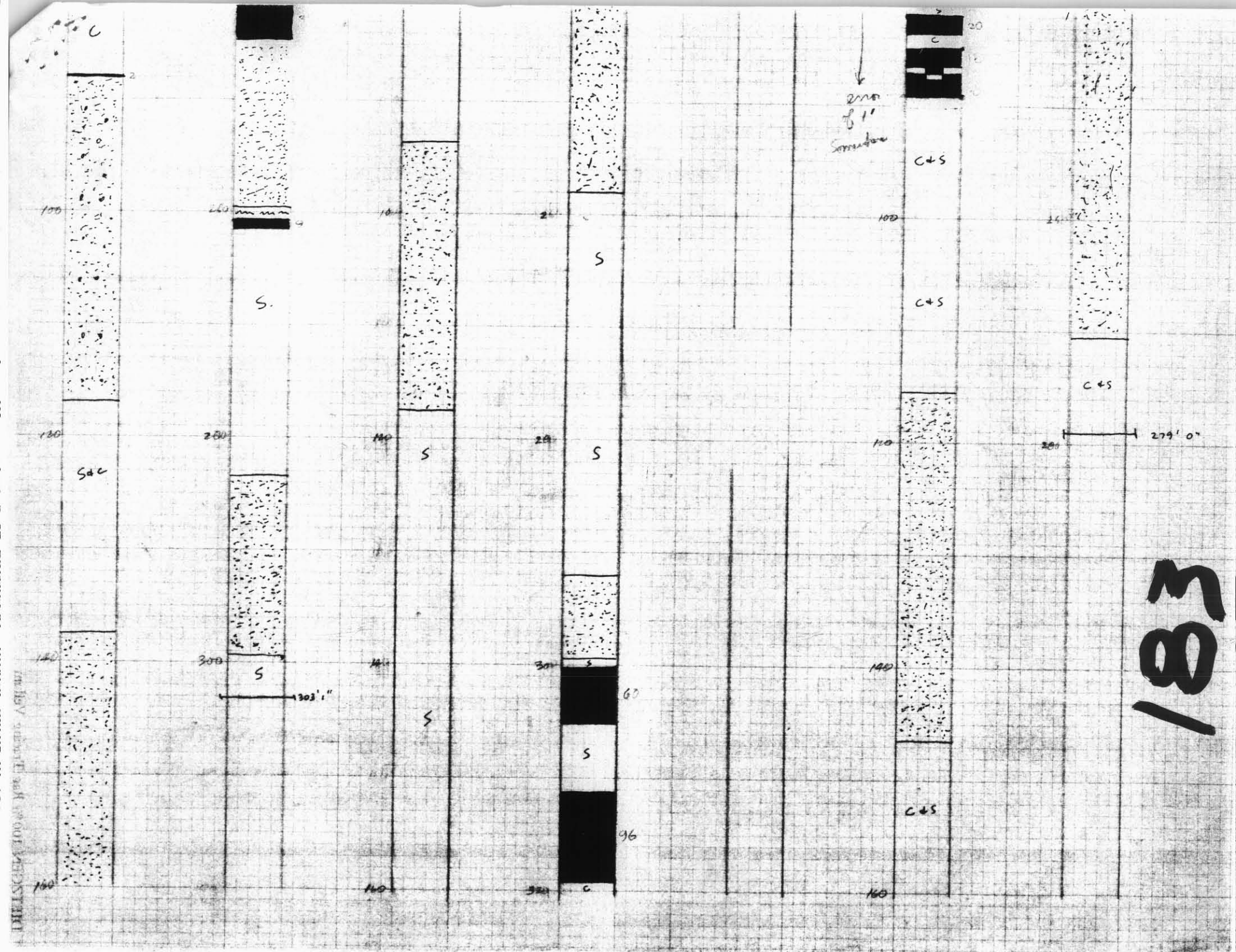


581



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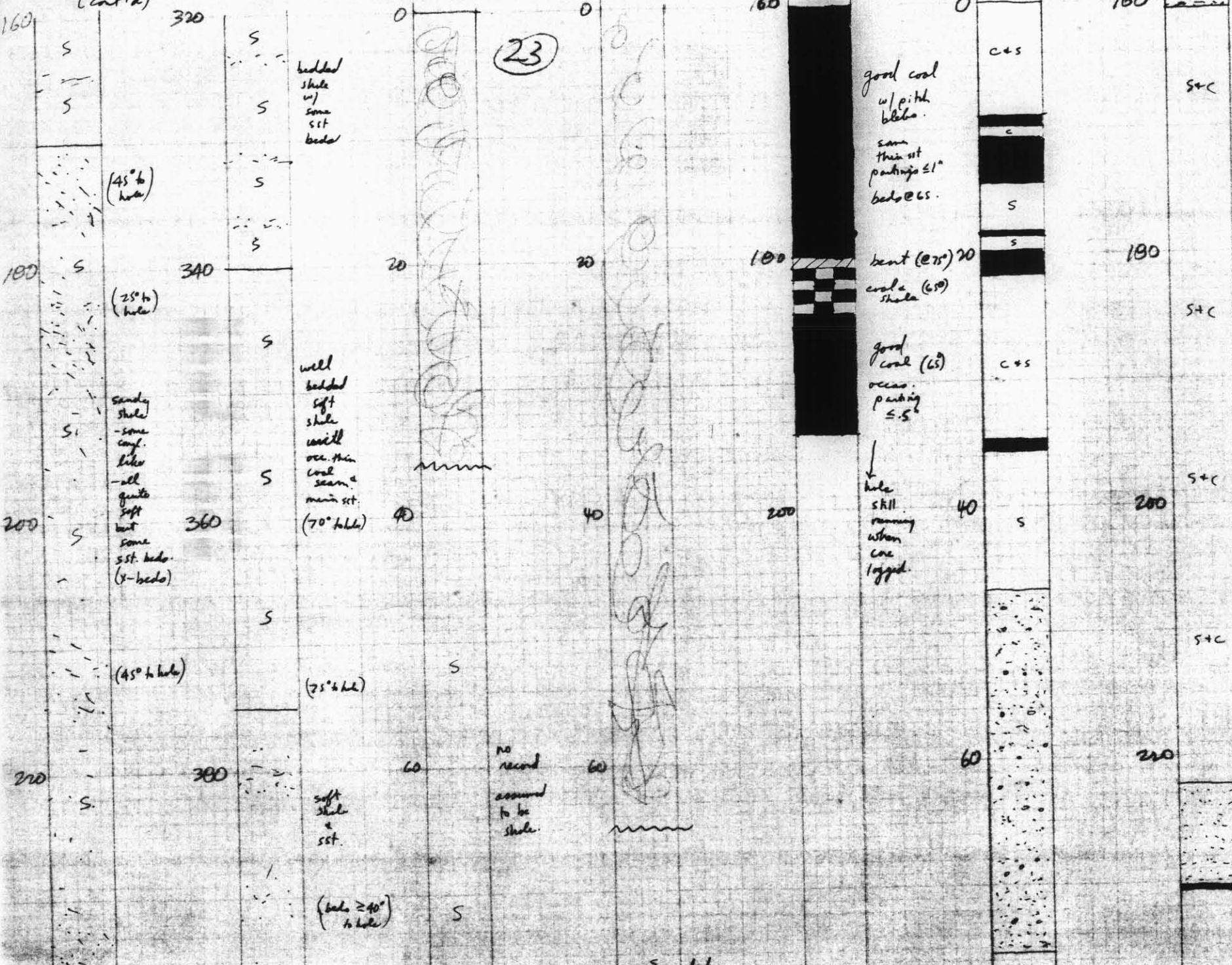
581  
183

GRANBY (BRAM. V. ALLE) BH. #4  
(cont'd)

BLACK DOH #1.  
-60° 30' W

BLACK DOH #2  
-45° W

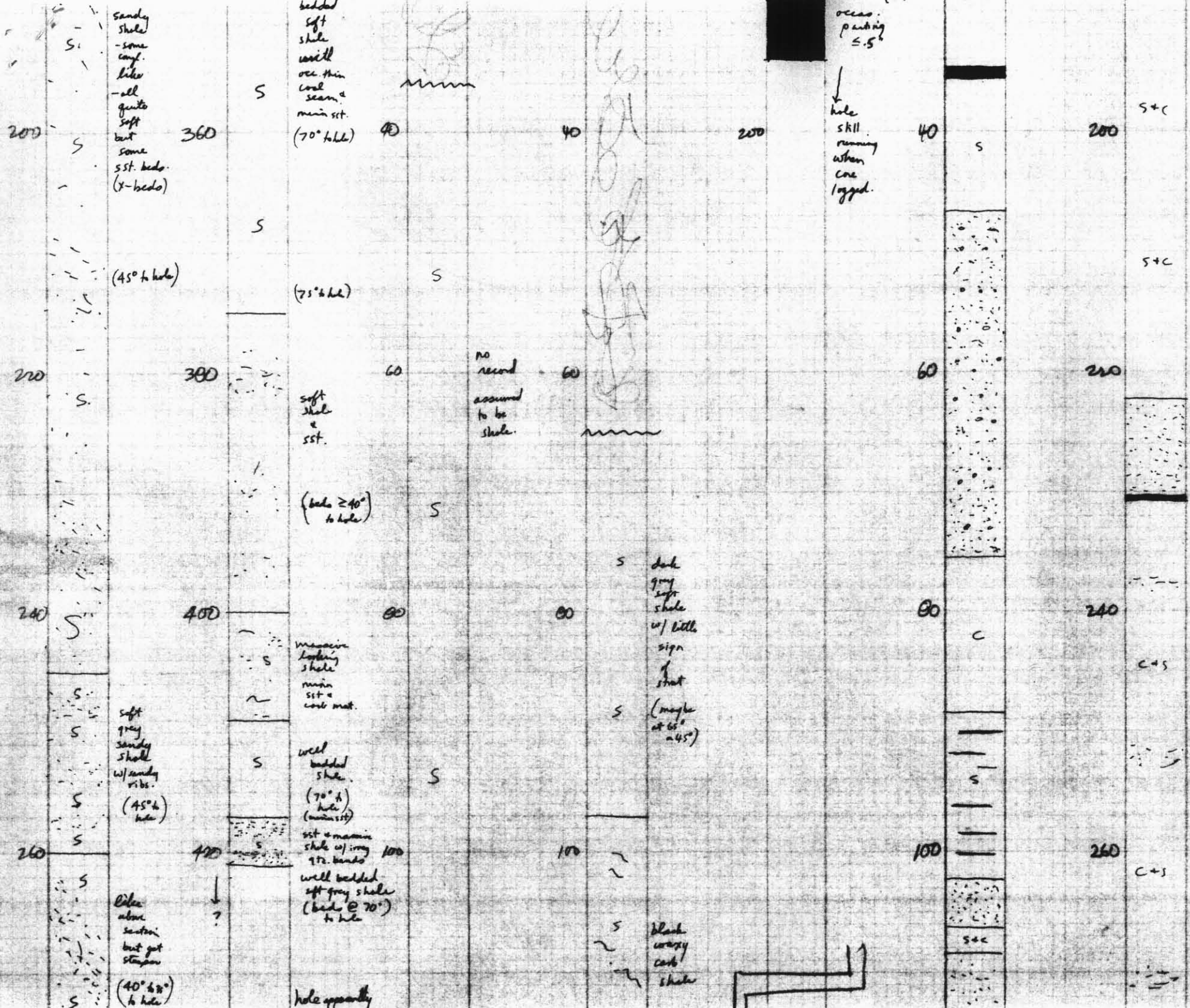
V.F.M.D.C #6



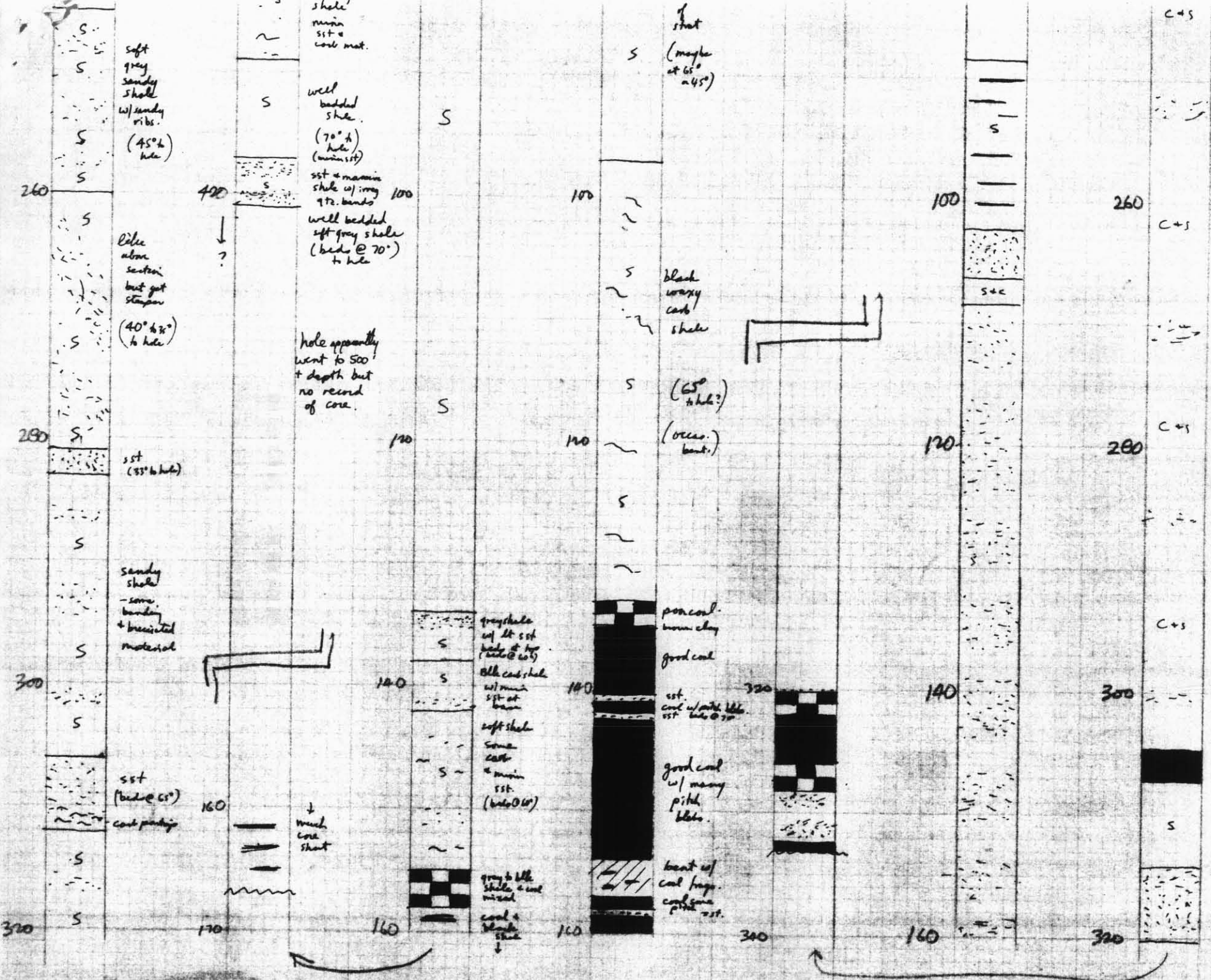
381

(4)





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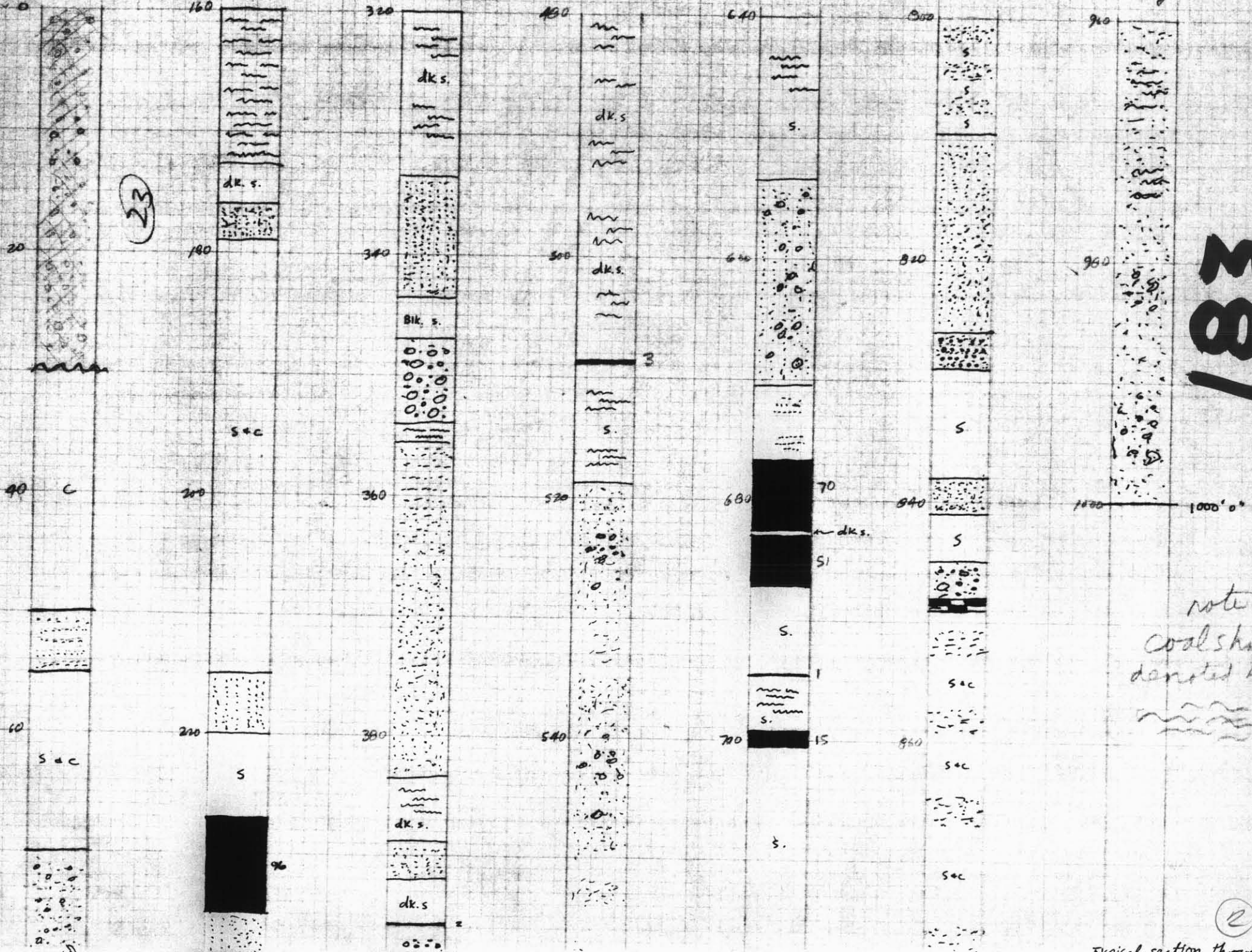
183



BLAREMORE B.H. #2

(p. 117-121 Riv (1947))

1" = 120' see show (1952) for Legend

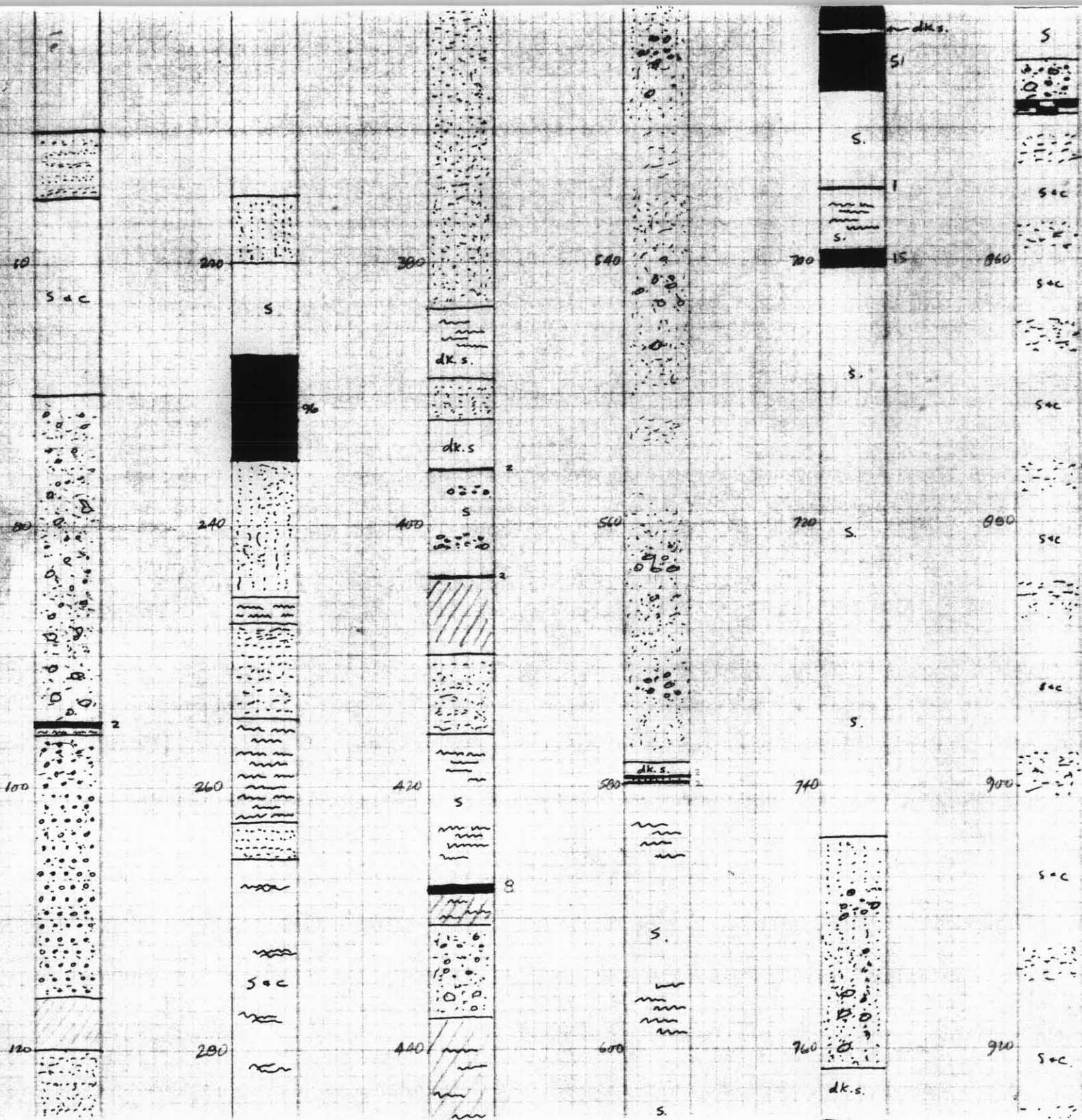



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note  
coal shale  
denoted by  
[wavy lines]

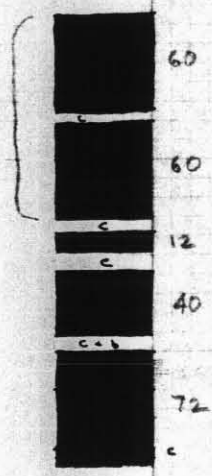
2

Vertical section through



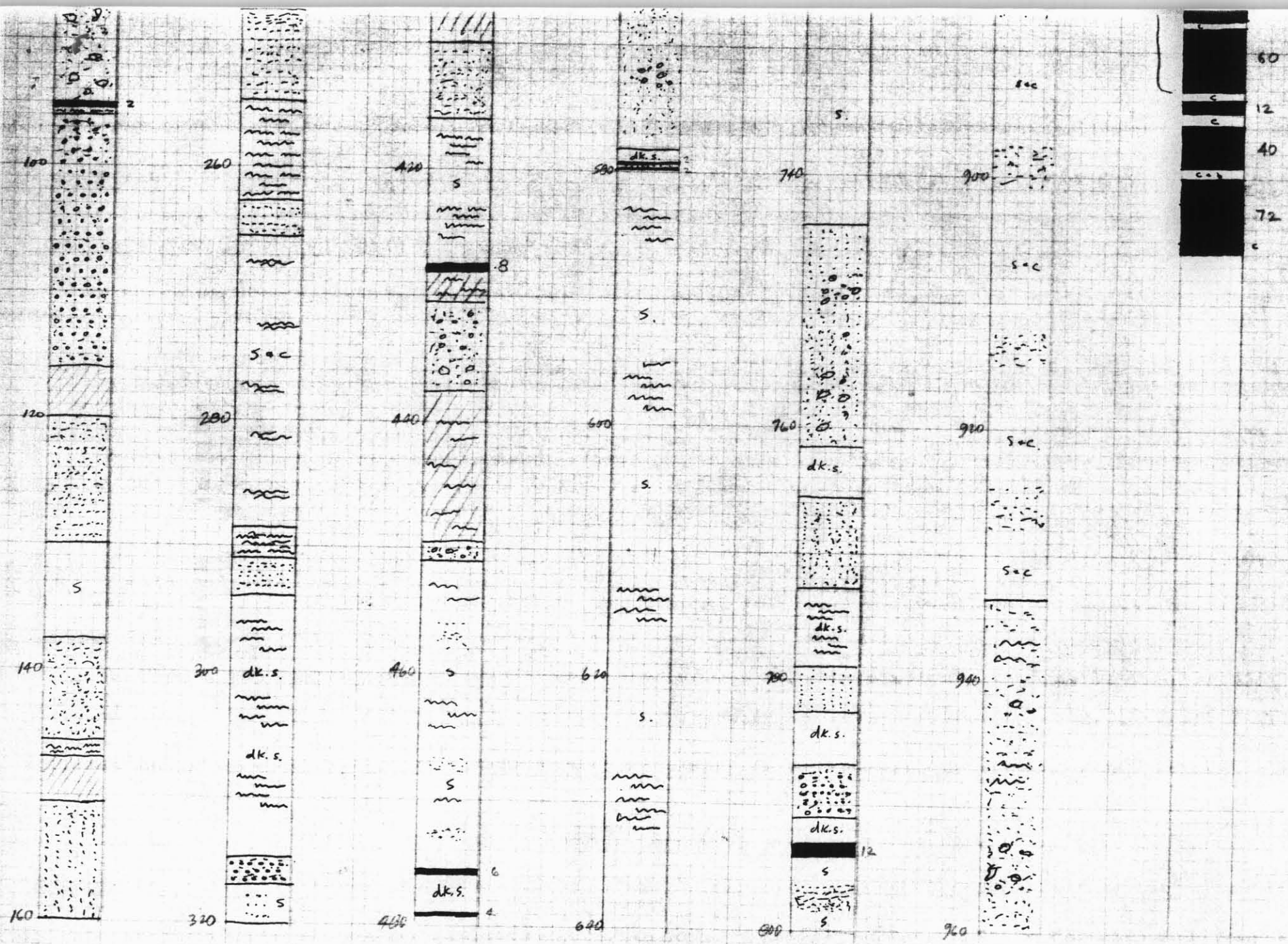
note  
 coal shale  
 denoted by  


Typical section through  
 Princeton seam at No. 1  
 Mine, Princeton, N.C.



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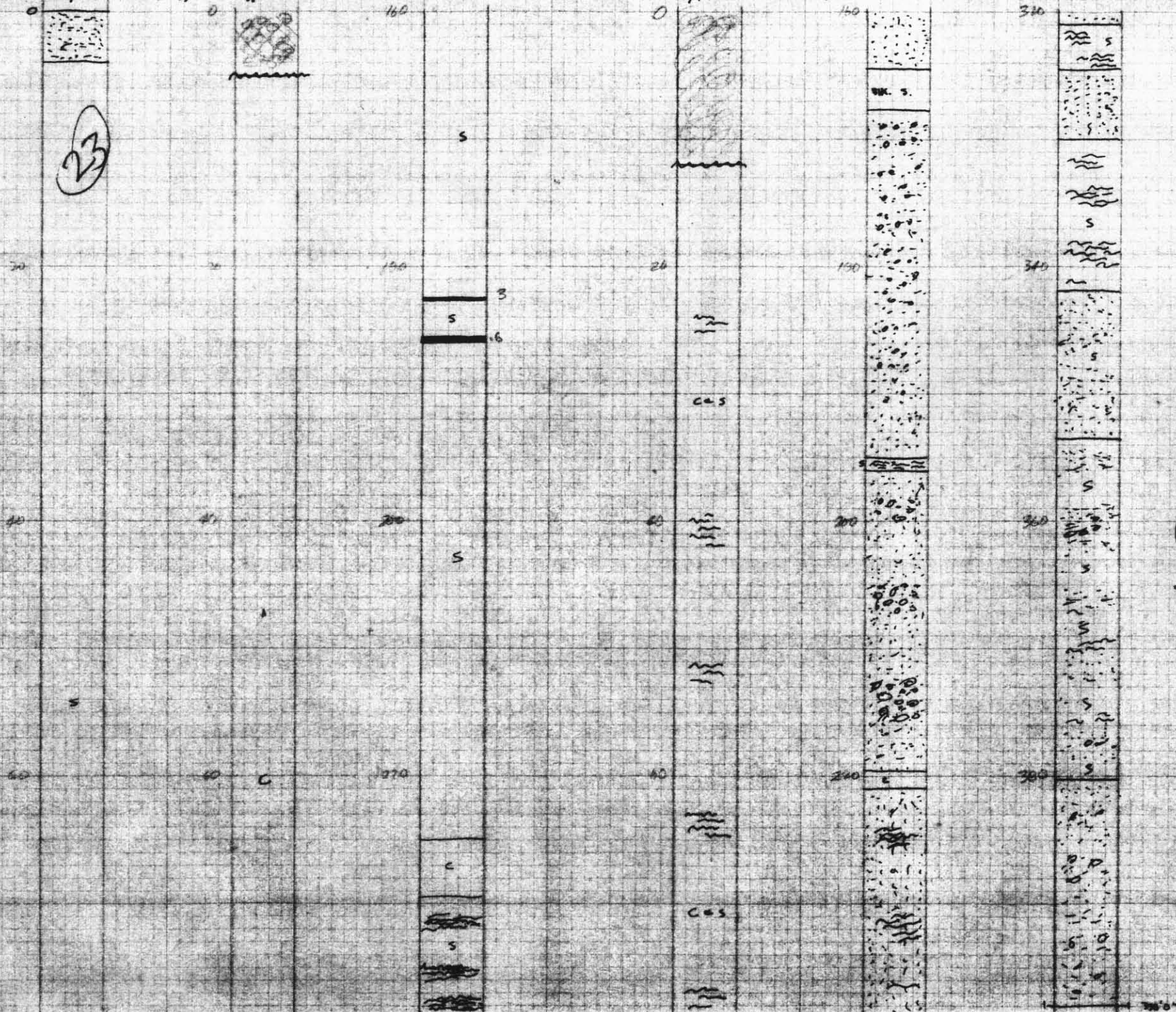


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V.F.M.D.C. BH#5  
(p. 121, Rio (1947))

V.F.M.D.C. BH#4  
(p. 121, Rio (1947))

Blakemore BH #1  
(p. 122, Rio (1947))



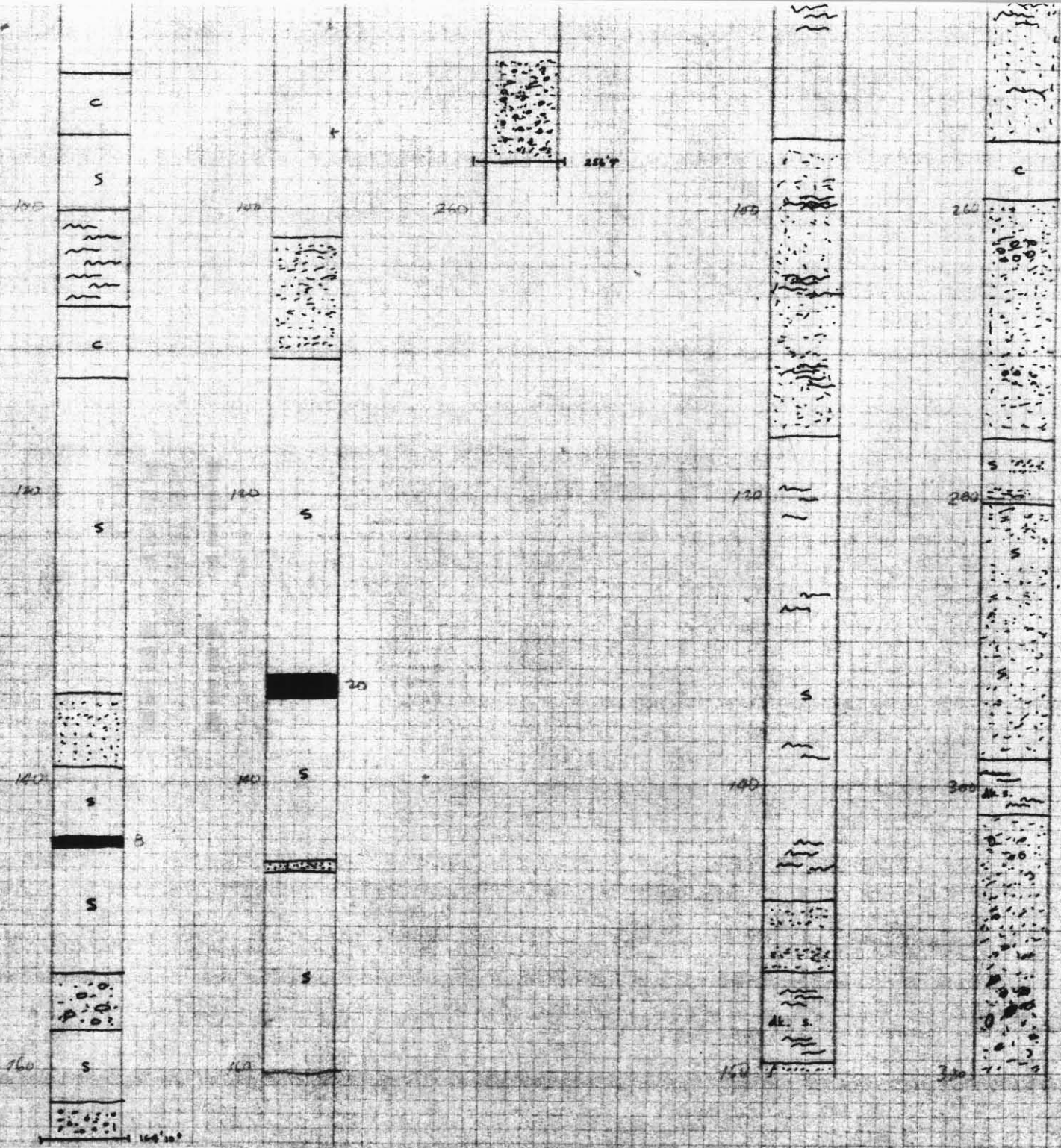
381

20



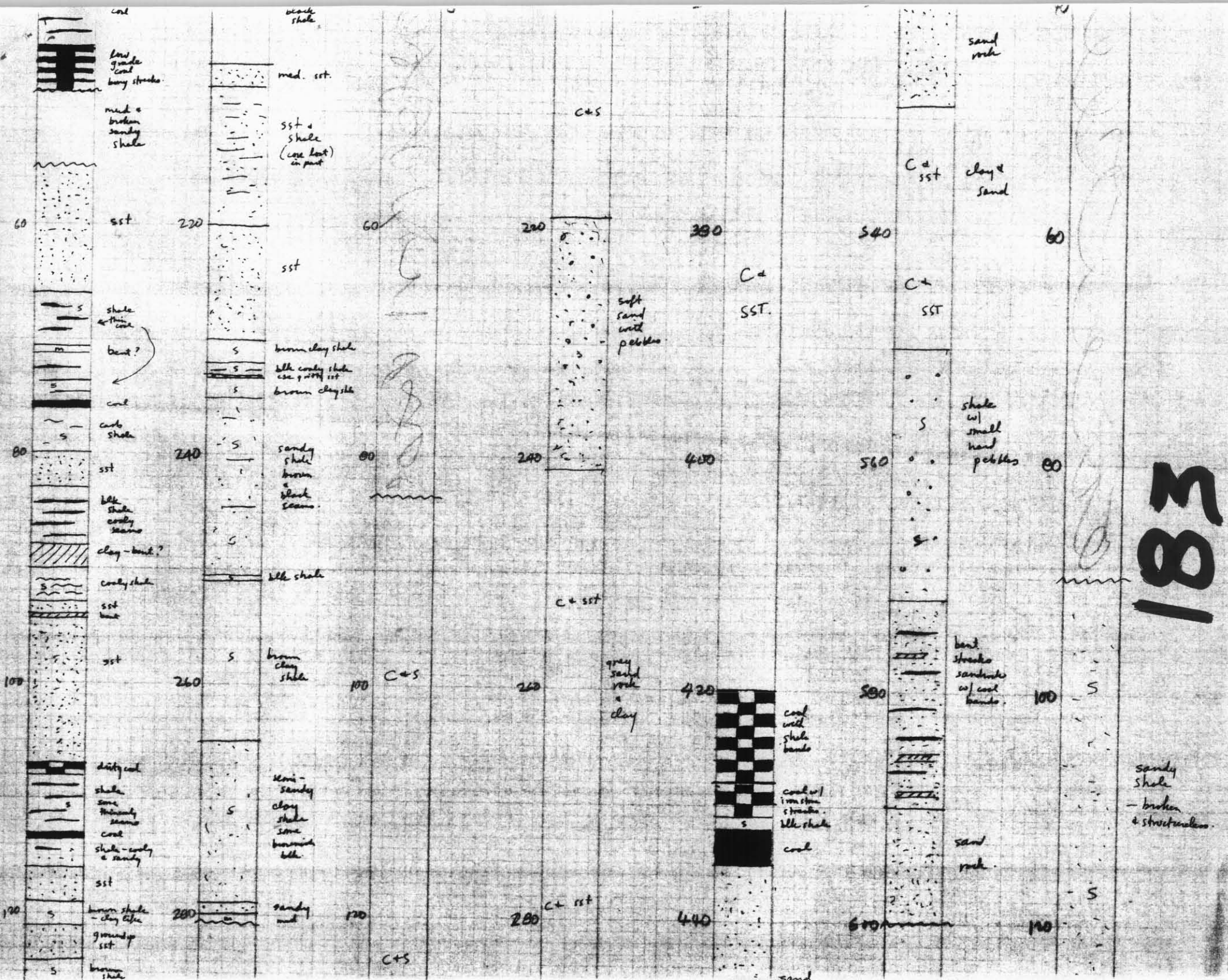


ДИНАМИКА ВОДЫ В ПЛОСКОСТИ ДИНАМИКА



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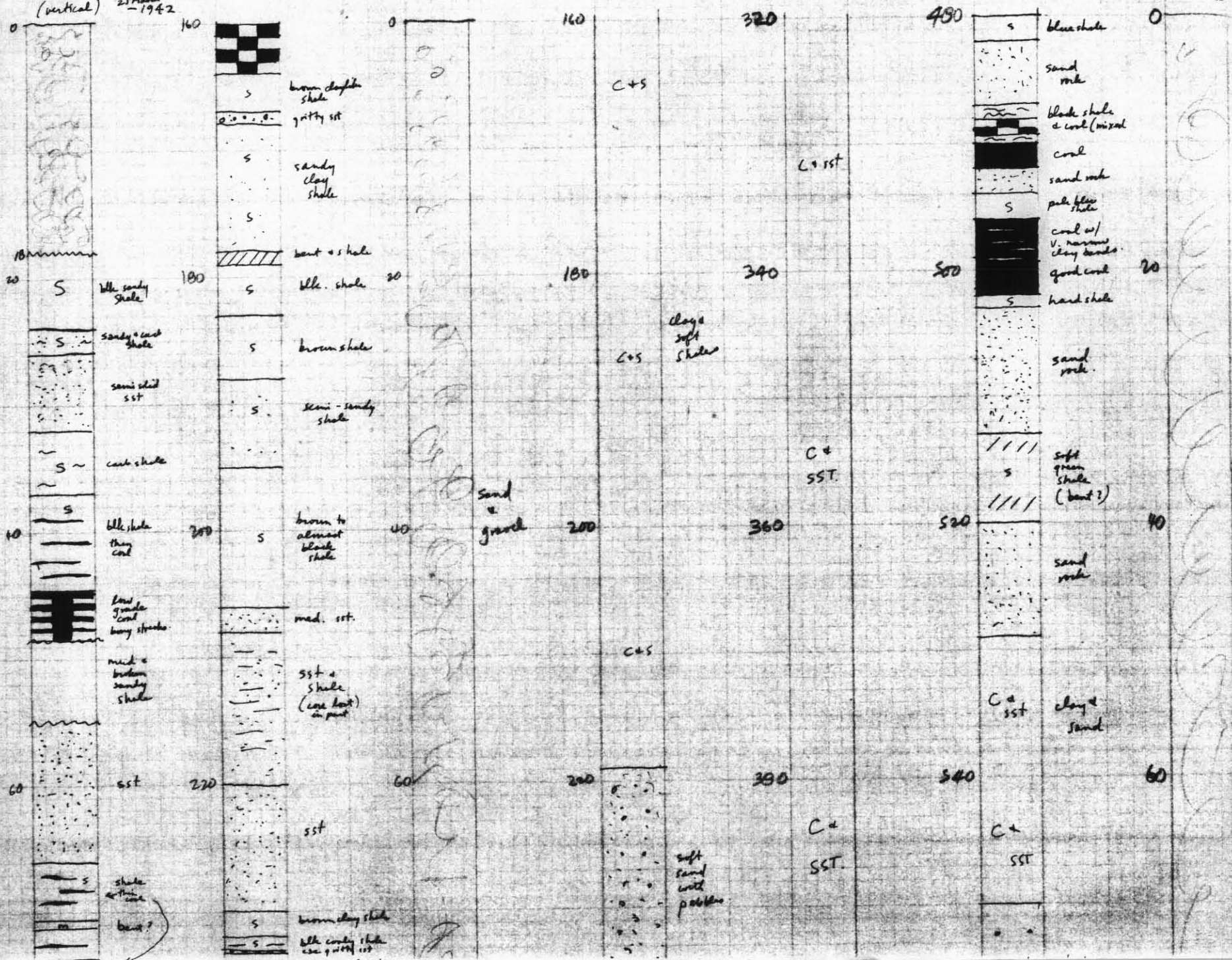
E81

GRANBY POWER PLANT D.D.H.  
(vertical) 21 March 1942

GRANBY COLLIERY DDH # 3 - situated approx N of Portal

21st May 1937

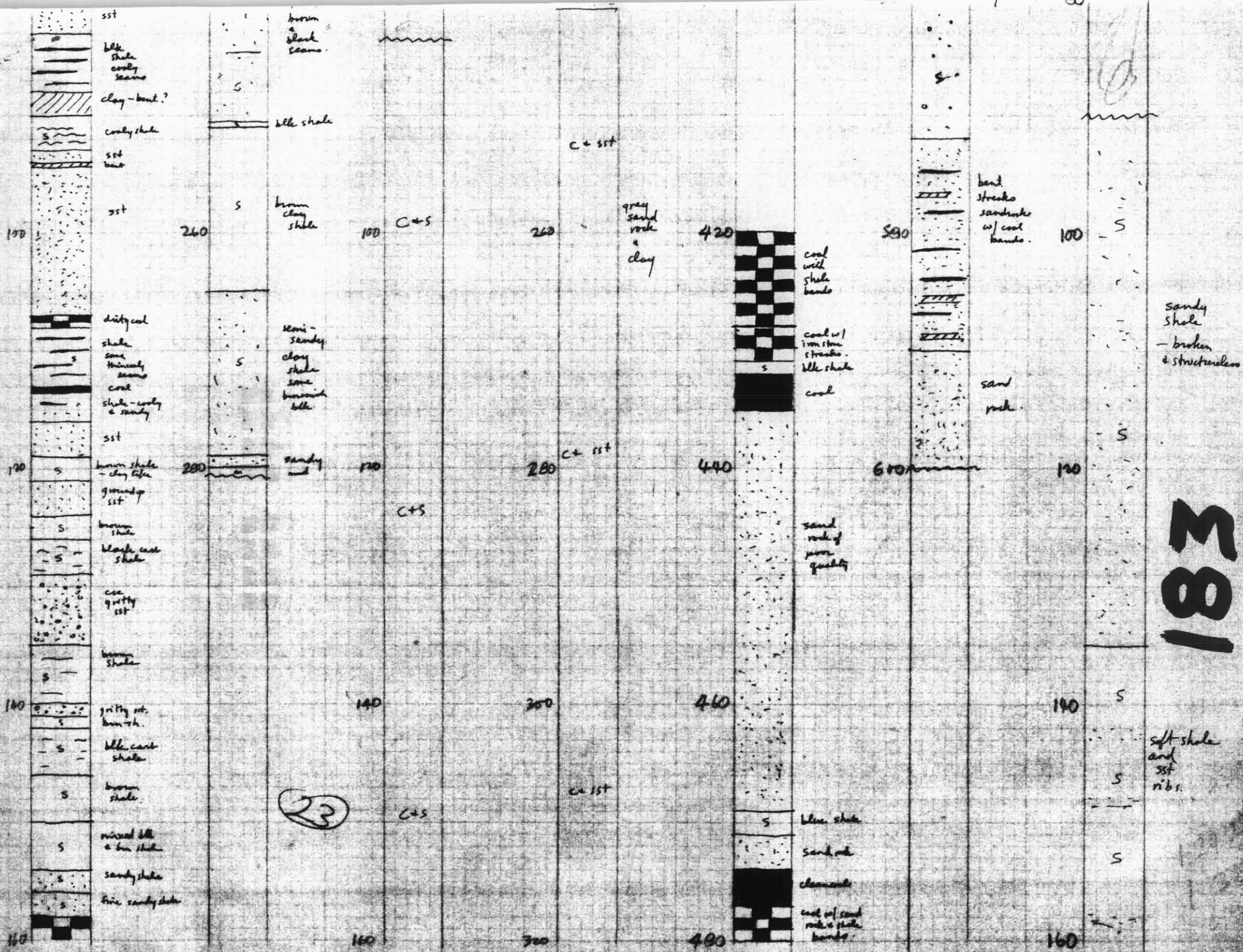
GRANBY (MEM. 014)  
BH # 4



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(3)





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soft shale and ssst ribs.

sandy shale - broken & structureless.

(23)

Copyright 1952, 1953, 1954, 1955, 1956, 1957, 1958, 1959, 1960, 1961, 1962, 1963, 1964, 1965, 1966, 1967, 1968, 1969, 1970, 1971, 1972, 1973, 1974, 1975, 1976, 1977, 1978, 1979, 1980, 1981, 1982, 1983, 1984, 1985, 1986, 1987, 1988, 1989, 1990, 1991, 1992, 1993, 1994, 1995, 1996, 1997, 1998, 1999, 2000, 2001, 2002, 2003, 2004, 2005, 2006, 2007, 2008, 2009, 2010, 2011, 2012, 2013, 2014, 2015, 2016, 2017, 2018, 2019, 2020, 2021, 2022, 2023, 2024, 2025

Copper Motion B.C.

June 5, 1952

Mr H. G. Elynd.  
Princeton Properties.  
Princeton B.C.

Dear Sir:

The following drill hole log is a transcript, <sup>for our files</sup> ~~copy~~ record of a core the ~~log~~ of the drill hole put down near the Company Power Plant, <sup>at Princeton</sup> in the spring of 1942. The hole was directed vertically. ~~The log is as follows:~~ N-X, <sup>sized (2 1/8")</sup> Cores cut to a

~~0-7-87~~ depth of 26 feet when a reduction to B-X, <sup>size (1 5/8")</sup> was made. The log of the hole was as follows:

0 - 18 Standpipe

etc.

279 - 280 Sandy.  
Ed Bedding 12-15° to S. probably.

183

Yours truly,  
Kurt C. Fahn  
Chief Geologist.



Black Diamond Borehole No. 2.

April 16th 1937

|                                     |       |       |
|-------------------------------------|-------|-------|
| Gravel and Clay .....               | 117.0 | 117.0 |
| Sandrock .....                      | 130.5 | 247.5 |
| Coal & Shale mixture .....          | 15.0  | 262.5 |
| Coal with Bone streaks.....         | 4.5   | 267.0 |
| Coal .....                          | 4.5   | 271.5 |
| Shale .....                         | 1.0   | 272.5 |
| Blue Clay .....                     | 11.0  | 283.5 |
| Brown Shale .....                   | 11.5  | 295.0 |
| + Coal .....                        | 2.0   | 297.0 |
| Sandstone .....                     | 3.5   | 300.5 |
| Black Shale .....                   | 7.0   | 307.5 |
| Shale, sandrock, coal streaks ..... | 1.0   | 308.5 |
| Coal .....                          | 1.0   | 309.5 |
| Black Shale .....                   | 11.0  | 320.5 |
| Sandrock .....                      | 1.0   | 321.5 |
| Coal .....                          | 1.5   | 323.0 |
| Shale & Bentonite mud .....         | 15.0  | 338.0 |
| Black Shale .....                   | 5.5   | 343.5 |
| Brown Clay .....                    | 1.0   | 344.5 |
| Coal .....                          | 2.0   | 346.5 |
| Sandrock with Coal Streaks .....    | 2.0   | 348.5 |
| Blue Shale .....                    | 2.00  | 350.5 |
| Coal .....                          | 7.0   | 357.5 |
| Impure Pentonite .....              | 1.5   | 359.0 |
| Coal .....                          | 2.0   | 361.0 |
| Shale & Sandrock .....              | 1.0   | 362.0 |
| Black Shale .....                   | 5.0   | 367.0 |
| Shale & Sandstone .....             | 2.0   | 369.0 |
| Pure gray Sandstone .....           | 33.0  | 402.0 |

Total                      402.0 Ft.

The strata pitches about 35 degrees which should be taken into consideration in order to determine the thickness of measures.

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*[Signature]*

SM - GRANBY 37-42

MISCELLANEOUS BOREHOLE LOGS

- 1). Black Diamond B.H. #2 (1937)
- 2). Granby Colliery #1 DDH  
#3,4 (1937)
- 3). Granby power plant drill  
hole (1942)



Granby Colliery No. 1.

Section of Diamond Drill Hole No. 3. Situated approx. North of Portal and completed on the 31st of May 1937

| <u>Surface</u> | <u>Section</u> |   |
|----------------|----------------|---|
| 83.5 ft        | 83.5 ft        | Sand & gravels                              |
| 219.0          | 125.5          | Clay & soft Shales                          |
| 241.0          | 22.0           | Soft Sand with pebbles                      |
| 420.0          | 179.0          | Mixture of grey sand rock & clay            |
| 428.0          | 8.0            | Coal with Shale bands                       |
| 431.0          | 3.0            | Coal with iron stone streaks                |
| 432.0          | 1.0            | Shale (black)                               |
| 435.0          | 3.0            | Coal  |
| 469.0          | 34.0           | Sand rock of poor quality                   |
| 471.0          | 2.0            | Blue Shale                                  |
| 474.0          | 3.0            | Sand rock                                   |
| 477.0          | 3.0            | Clean Coal                                  |
| 480.0          | 3.0            | Coal with sand rock & Shale bands           |
| 482.0          | 2.0            | Blue Shale                                  |
| 487.0          | 5.0            | Sand rock                                   |
| 490.0          | 3.0            | Black Shale & Coal (mixed)                  |
| 492.0          | 2.0            | Coal  |
| 494.0          | 2.0            | Sand rock                                   |
| 496.0          | 2.0            | Pale Blue Shale                             |
| 499.0          | 3.0            | Coal with very narrow clay bands (streaks)  |
| 502.0          | 3.0            | Coal (Good)                                 |
| 503.0          | 1.0            | Hard Shale                                  |
| 513.0          | 10.0           | Sand Rock                                   |
| 520.0          | 7.0            | Soft shale (Green)                          |
| 529.0          | 9.0            | Sand rock                                   |
| 550.0          | 21.0           | Clay & Sand                                 |
| 572.0          | 22.0           | Shale with small hard pebbles               |
| 590.0          | 18.0           | Bentonite streaks, sandrock with coal bands |
| 630.0          | 10.0           | Sand rock                                   |

No. 4 Borehole

This hole was drilled due West from No. 1 North Level cutting the measures at approx. 90 degrees from the true pitch of the seam, which is approx. 35 degrees.

|           |                      |
|-----------|----------------------|
| 10.0 ft   | Brown Clay           |
| 50.0      | Rock with clay bands |
| <u>57</u> | Black Shales         |

137 ft

This bore hole gave off water freely and was stopped on that account.

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THE GRANBY CONSOLIDATED MINING, SMELTING & POWER CO. LTD.

March 25, 1942 19

TO Mr. A.S. Baillie  
 FROM Mr. H.E. Nelson  
 SUBJECT Log of Power Plant Drill Hole  
Logged March 25th, 1942

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LOG

|                                     |  |
|-------------------------------------|--|
| 0 - 18 $\frac{1}{2}$                | Standpipe  |
| 18 - 24                             | Black sandy shale  |
| 24 - 26                             | Mixed more sandy and some carbonaceous shale                         |
| 26 - 32                             | Semi solid sandstone   |
| 32 - 37                             | Shale carbonaceous   |
| 37 - 44 $\frac{1}{2}$               | Black shale, thin seams of coal                                      |
| 44 $\frac{1}{2}$ - 48 $\frac{3}{4}$ | Coal but low grade, acct. bony streaks. Bedding close to horizontal. |
| 48 $\frac{1}{2}$ - 55               | Short core. Considerable mud and broken sandy shale and coaly shale. |
| 55 - 66                             | Sandstone. Bedding probably dip to S @ 15°                           |
| 66 - 75 $\frac{1}{2}$               | Shale thin seams coal ( mud at 71' )                                 |
| 75 $\frac{1}{2}$ - 76               | Coal   |
| 76 - 80                             | Shale carbonaceous   |
| 80 - 83                             | Sandstone  |
| 83 - 88                             | Black shale coaly seams  |
| 88 - 90                             | Clay - bentonite?  |
| 90 - 93                             | Shale coaly  |
| 93 - 107                            | Sandstone, 6" → Bentonite at 94'. Bedding 15° probably to S.         |
| 107 - 108                           | Coal dirty   |
| 108 - 113                           | Shale some thin coaly seams  |
| 113 - 113 $\frac{1}{2}$             | Coal   |
| 113 $\frac{1}{2}$ - 116             | Shale - sandy and coaly  |
| 116 - 119                           | Sandstone  |
| 119 - 121                           | Brown shale - clay like  |
| 121 - 124                           | Grown up sandstone   |
| 124 - 126                           | Brown shale  |
| 126 - 129                           | Black carbonaceous shale   |
| 129 - 135                           | Coarse gritty sandstone  |
| 135 - 140                           | Brown shale hardly more than clay. "Carbon" stems.                   |
| 140 - 141                           | Sandstone - gritty   |
| 141 - 142                           | Brown shale  |
| 142 - 146                           | Black cart. shale  |
| 146 - 150                           | Brown shale  |
| 150 - 154                           | Mixed black and brown shale  |
| 154 - 156                           | Sandy shale  |
| 156 - 158                           | Fine sandy shale hardly more than clay                               |
| 158 - 164                           | Black shale - low grade coal   |
| 164 - 167                           | Brown claylike shale   |
| 167 - 168                           | Gritty sandstone   |
| 168 - 178                           | Sandy clay shale   |
| 178 - 179                           | Bentonite and clay shale   |
| 179 - 183                           | Black shale  |
| 183 - 188                           | Brown shale  |
| 188 - 195                           | Semi sandy shale, some clay shale                                    |
| 195 - 206                           | Brown to almost black shale  |
| 206 - 208                           | Medium sandstone   |



Log of Power Plant Drill Hole  
Logged March 25th, 1942

-2-

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|                         |   |
|-------------------------|---|
| 208 - 220               | Sandstone and shale. Core lost. Cuttings show S.S. and shale. |
| 220 - 230               | Sandstone. Bedding 15° probably to south                      |
| 230 - 232               | Brown clay shale  |
| 232 - 233               | Black coaly shale   |
| 233 - 233'3"            | Coarse gritty S.S.  |
| 233'3"-235              | Brown clay shale  |
| 235 - 250 $\frac{1}{2}$ | Sandy siltic brown and black seams                            |
| 250 $\frac{1}{2}$ - 251 | Black shale   |
| 251 - 265               | Brown clay shale  |
| 265 - 279               | Semi sandy clay shale some brownish-black                     |
| 279 - 280               | Sandy. Mud right at end<br>End bedding 12-15° to S. probably. |

MEM:EC  
cc- WFL  
WIN  
TW  
File-2