



SK 47 SW / 29

*M. Bonford*

NATIONAL COAL BOARD ; SCIENTIFIC DEPARTMENT

COAL SURVEY

East Midlands Division:

(Notts. and N. Derbys. Coalfield)

Interim Report No. 3455(a)

Interim Report on the

ARKWRIGHT COLLIERY NO. 1 U/G Down Borehole

AREA NO. 1

This report contains the initial results of the analyses of the ~~more~~ important coal cores received from the above Borehole. A final and more detailed report will be issued later.

Position of Borehole:      National Grid Reference:      E. 44398      N. 37132

Seams Examined:

<u>Seam</u>	<u>Seam Depth</u>	<u>Estimated Thickness (in.)</u>
Second Waterloo	86 ft. 9 in.	139

Approved by:

*E. Shipsey*  
for Divisional Coal Survey Officer.

DISTRIBUTION:

East Midlands Division:

Assistant to Production Director  
Geologist

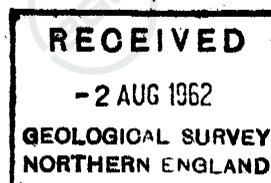
AREA NO. 1

Chief Surveyor  
Chief Scientist

Geological Survey

Office

August, 1962





SK 47 SW/29

NATIONAL COAL BOARD EAST MIDLANDS DIVISION.  
SCIENTIFIC DEPARTMENT  
COAL SURVEY

Area No. 1      Pithead Section / Borehole / Interim Report No. 3455(a)  
ARKWRIGHT COLLIERY NO. 1 U.G. DOWNBORE

SECOND WATERLOO SEAM AT 86 ft. 9 in.

Estimated Thickness: 139 inches      Overall Recovery: 90 per cent  
Nat. Grid. Ref. No. 44398  
No. 37132

Subsection.	Thickness in.	Nature of Subsection.	Analysis (Air dried coal - 72 mesh)		
			Sp. Gr.	Ash %	Sulphur %
Roof	-	Dark grey shaly mudstone (1 1/2 in. seen)	1.84	58.5	-
Q	4	Dirty bright coal	1.49	22.4	0.9
P	3	Highly carbonaceous dirt	1.91	46.1	0.6
O	7	Dirty bright coal	1.41	15.7	1.6
N	6	Bright coal	1.29	2.9	1.0
M	6	Bright coal	1.29	2.5	1.1
L	5	Fragments of bright coal	1.34	9.3	1.1
K	17	Gray shaly mudstone	2.32	81.0	0.4
J	6	Light gray siltstone	3.12	71.3	0.1
I	11	Gray shaly mudstone	2.28	77.4	0.3
H	5	Canaloid black shale	2.93	59.1	0.4
G	5 (4 Actual)	Solid cores and fragments of canal	1.36	11.5	0.9
F	7 1/2 (6 Actual)	Core discs and fragments of bright coal	1.29	2.4	0.8
E	7 1/2 (6 Actual)	Core discs and fragments of bright coal	1.33	7.5	0.9
D	29	Light gray mudstone	2.62	88.5	0.1
C	10 (4 Actual)	Fragments of very dirty coal	1.67	36.9	1.5
B	8	Highly carbonaceous dirt	2.03	46.7	1.1
A	2 (1 Actual)	Fragments of bright coal	1.40	14.1	2.0
Floor	-	Light gray siltstone seatearth (8 in. seen)	2.51	-	-
L - Q	31		1.41	15.0	1.1
L - O	24		1.34	8.1	1.2
E - G	20		1.32	6.7	0.9

Date: August, 1962

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