commercial in Carboniferous

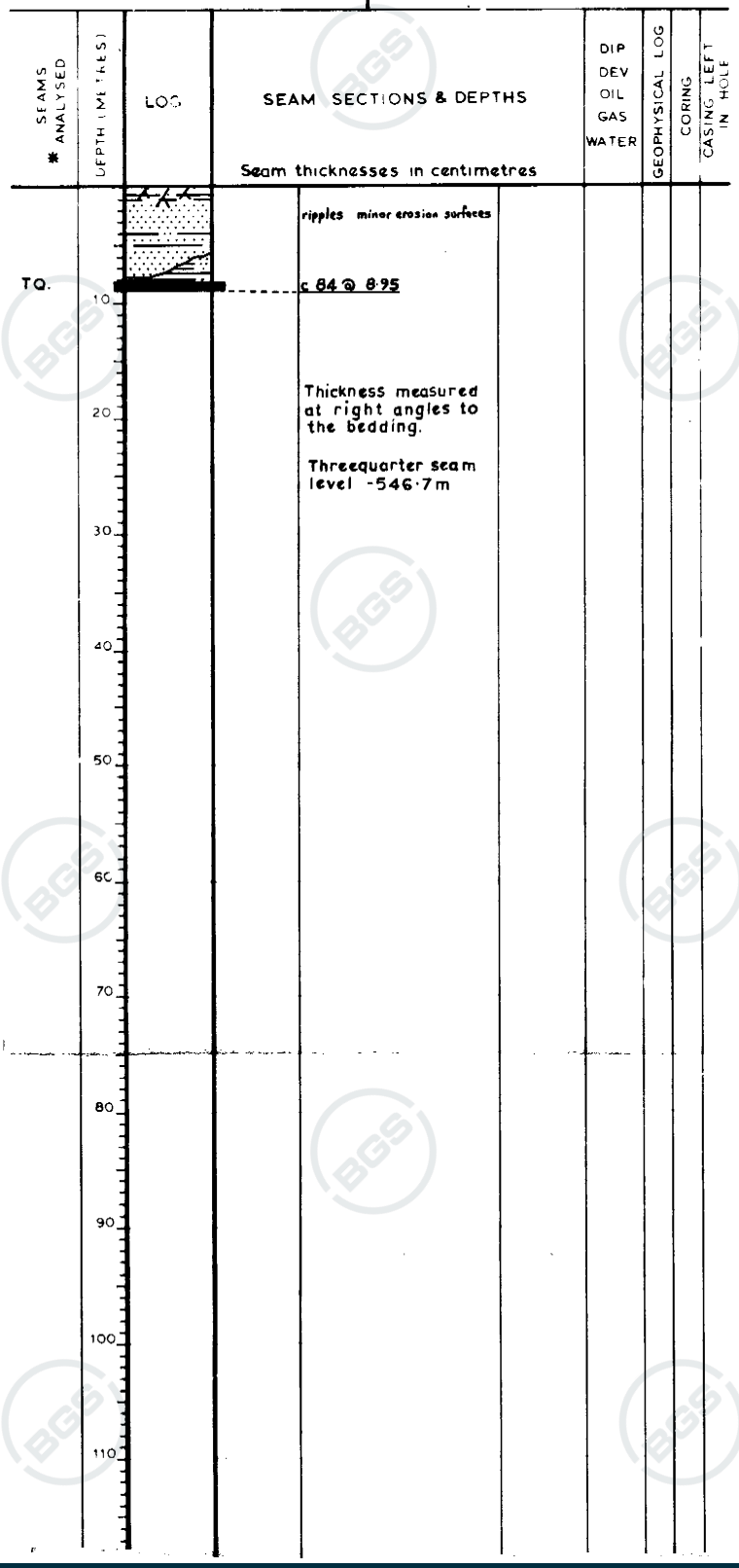
56 | SK 47 SE | 56

BOLSOVER COLLIERY
D 92's SUPPLY GATE DRIFT
TUPTON TO THREEQUARTER

E 445684 to 445635
N 370326 to 370306

DATE 1985

STARTING LEVEL -536·4 m



[redacted] COMMERCIAL IN CONFIDENCE

2 - MAY 1982

6 - INCH MAP B/H REGD. NO.

SK 47 SE/56

SK.47SE 52

(Nat.Grid, Sheet & Qtr.)

Section of: Markham Colliery No.15 Underground Borehole.

Purpose: To investigate the roof measures of the Second Waterloo

Exact Site: National Grid Co-ordinates
E446585
N370086

Level at which bore commenced relative to O.D. - 450.07 m
(in the Clay Cross Soft workings)

Date of Boring: August to October 1980

Borer: N.C.B. North Derbys. Area Drilling Team

Cores examined by J.A. Smith, N.C.B. Geologist

GEOLOGICAL CLASSIFICATION	NATURE OF STRATA	THICKNESS m	THICKNESS cm	DEPTH m	DEPTH cm
	Top of borehole			132	75
Siltstone	fine with common thin sandstone layers (75:25); sporadic minor erosion surfaces; common plant fragments and ironstone patches in top 0.15; rare burrows passage	1	22	131	53
Sandstone	fine and siltstone fine (55:45); common minor erosion surfaces	0	35	131	18
Siltstone	muddy, fine in parts, unlaminated; abundant plant fragments	0	95	130	23
Mudstone	silty, laminated; common plant fragments and ironstone bands	0	43	129	80
Seatearth					
Siltstone	muddy, unlaminated, cheesy texture in parts; ironstone nodules in basal 0.15; abundant rootlets, rare plant fragments in top 0.10	0	45	129	35
Sandstone	fine and siltstone fine (50:50); load casts in basal 0.05; slump structures in top 0.05	0	25	129	10
Sandstone	fine with rare thin siltstone fine laminae	0	20	128	90

Section of: Markham No.15 Underground Borehole ~~MAY 1982~~

GEOLOGICAL CLASSIFICATION	NATURE OF STRATA		THICKNESS m	THICKNESS cm	DEPTH m	DEPTH cm
Siltstone	fine and sandstone fine (60:40), load cast at 128.57		0	37	128	53
Sandstone	fine with rare thin siltstone fine laminae; common minor erosion surfaces		1	84	126	69
	passage					
Sandstone	fine and siltstone fine (55:45), papery lamination		0	24	126	45
	passage					
Siltstone	fine with rare thin sandstone fine laminae		0	23	126	22
Siltstone	fine, muddy in parts, unlaminated; faultlets at 123.60; rare thin sandstone fine laminae 124.00 to 124.30		3	48	122	74
	passage					
Mudstone	silty, laminated, dark in basal 0.15; isolated non-marine lamellibranch fragment at 121.06		2	48	120	26
	CORE BOXED 120.26 TO 117.00					
Mudstone	dark grey, shaly, with mussel fragments		0	47	119	79
2ND WATERLOO	Coal and dirty coal	17				
	Mudstone, grey; rootlets; ironstone streaks	31				
	Coal, bright, largely fragmented	40				
	Mudstone, grey; rootlets	13				
	Core lost: penetration recorder indicates dirt	22				
	Coal, clean, banded; fragmented	26				
	Mudstone, grey; rootlets	9				
	Coal, clean, bright; fragmented	42				
		200	2	00	117	79
Seatearth	Mudstone, grey; fragmented		0	19	117	60
2ND WATERLOO FLOOR COAL	Core lost; penetration recorder indicates coal	3				
	Core lost; penetration recorder indicates dirt	2				
	Mudstone seatearth, grey	2				
	Coal, bright; pyritic	7				
		14	0	14	117	46

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Section of: Markham No. 15 Underground Borehole

E-MAY 1982

GEOLOGICAL CLASSIFICATION	NATURE OF STRATA	THICKNESS m	THICKNESS cm	DEPTH m	DEPTH cm
	Combined 2nd Waterloo and Floor Coal:- Dip less than 2o Recovery 65%				
Seatearth Siltstone	fine to medium, light grey; muddy in top 0.08	0	46	117	00
Siltstone	fine to medium, unlaminated, common rootlets	0	28	116	72
Siltstone	muddy, common listric surfaces; common plant fragments and rootlets	0	08	116	64
Siltstone	fine, unlaminated; common plant fragments in basal 0.20; sporadic rootlets throughout	0	71	115	93
Siltstone	fine with thin sandstone fine laminae (80:20); load casts at 115.56; comminuted plant debris	1	52	114	41
Sandstone	fine with rare thin siltstone fine laminae	0	60	113	81
Siltstone	fine, unlaminated, rare thin sandstone laminae in top 0.10	1	31	112	50
Siltstone	muddy, poorly laminated	0	36	112	14
Mudstone	silty, laminated; shaly in basal 0.50	1	00	111	14
Mudstone	highly carbonaceous, shaly attached	0	05	111	09
COAL	with 1 cm dirt towards the base; completely fragmented detached	0	16	110	93
Seatearth Mudstone	silty, unlaminated cheesy texture, listric in parts; abundant rootlets	0	20	110	73
Siltstone	muddy, poorly laminated; common ironstone nodules in basal 0.10; abundant rootlets	0	35	110	38

BGS ID: 728389 : BGS Reference: SK47SE56
British National Grid (27700) : 446585,370086

[redacted] COMMERCIAL IN CONFIDENCE

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Section of: Markham No. 15 Underground Borehole

-- MAY 1982

GEOLOGICAL CLASSIFICATION	NATURE OF STRATA	THICKNESS m	THICKNESS cm	DEPTH m	DEPTH cm
Siltstone	muddy, laminated; common rootlets	0	38	110	00

Coring from 85.18; cores seen from 110.00

N.B. Zero for the borehole coincides with the base of the Clay Cross Soft seam

JR/8214/DC.XI

NORTH DERBYSHIRE AREA
NATIONAL COAL BOARD

COMMERCIAL IN CONFIDENCE

SK 47 SE / 56

SURVEY DEPARTMENT

E - MAY 1956.

BOREHOLE DATA AND HISTORY

BOREHOLE NAME: MARKHAM N°15 · UNDERGROUND UP-BORE.

Approximate Location: 1,000 METRES S 30°E BOLSOVER N°2 SHAFT

National Grid Reference: E 446 585 N 370 086

6 inch sheet: SK 46 NE.

Level of Origin: - 450.07m O.D.

Date of Drilling: Commenced 7.8.80
Finished 24.10.80

Contractor's Name: N.C.B.

Name of Boremaster: DRILLER IN CHARGE B. WARD.

Depth m (ft)	Diameter of Core mm (in)	Diameter of Hole mm (in)
00 to 85.18	OPEN HOLE	88.90 mm
85.18 to 132.75 m	NQU CORE	69.9
	(cores seen from 110.00 m) OR.	

Drilling Difficulties: NONE.

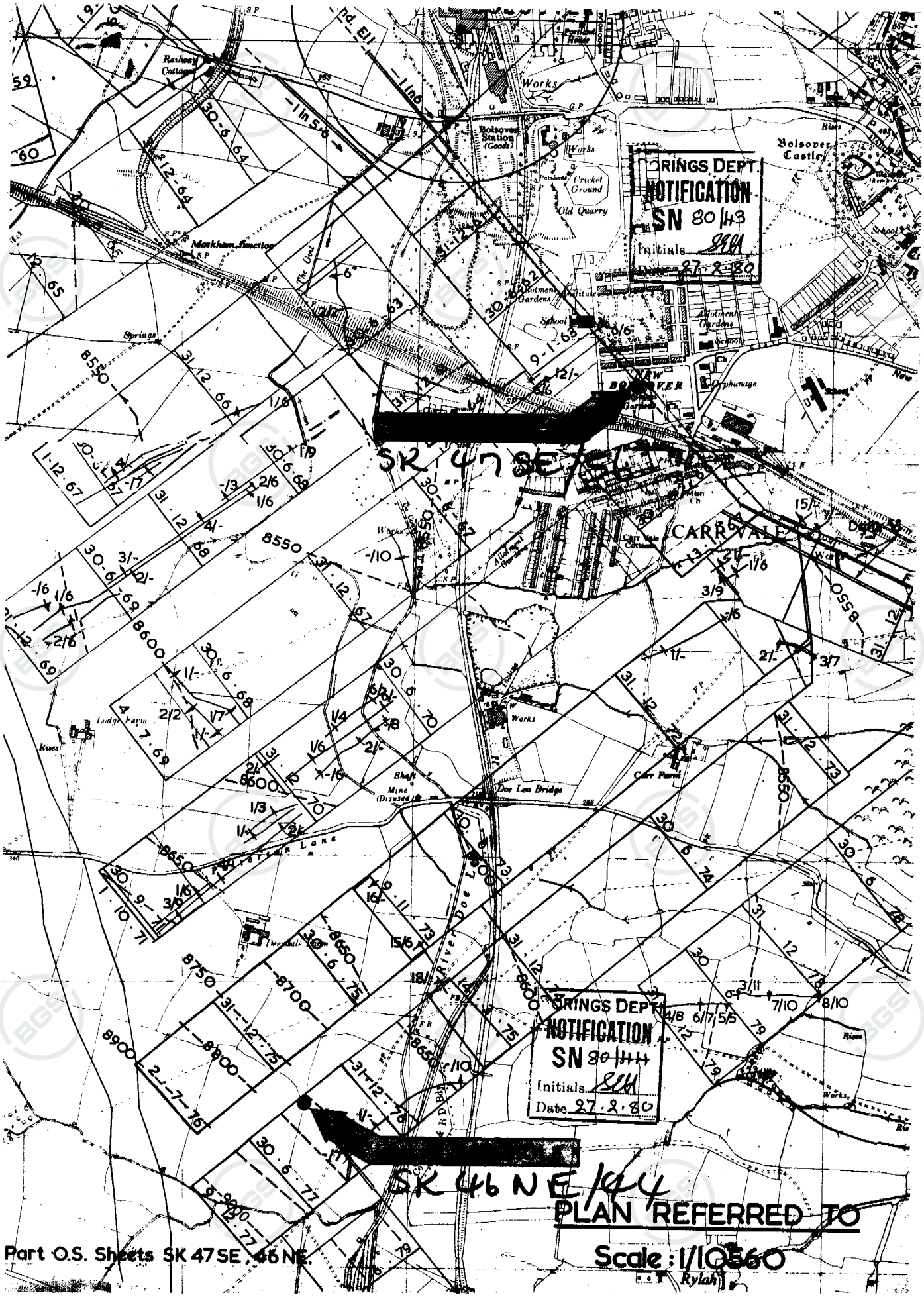
Method of Sealing Off Borehole: PUMPED 850 kILOGRAMS SHALLOW OIL WELL CEMENT, CLASS B MIXED WITH 454.6 LITRES OF FIRE MAIN WATER UP THE BOREHOLE UNTIL A PRESSURE OF 450 lbs/□" WAS RECORDED ON THE GAUGE. HOLE FULL OF CEMENT WHEN CHECKED NEXT DAY.

Purpose fulfilled by Borehole: OBTAINED A CORE OF 2ND. WATERLOO SEAM & PROVED POSITION & THICKNESS OF SANDSTONE CHANNEL ABOVE THE SEAM & INTERVAL BETWEEN TOP OF SEAM & BASE OF CHANNEL.

Official Responsible for above Report:

A.F. BOWMER

[illegible] Surveyor & Minerals Manager


BRINGS DEPT.
NOTIFICATION
SN 80/143
Initials SGH
Date 27.2.80
SK 47 SE 56
BRINGS DEPT.
NOTIFICATION
SN 80/144
Initials SGH
Date 27.2.80
SK 46 NE 144
PLAN REFERRED TO
Scale: 1/10560
Part O.S. Sheets SK 47 SE, 46 NE.
Bolsover Station (Goods)
Bolsover Castle
Markham Junction
Carr Vale
Doe Lea Bridge
Shaft Mine (Disused)
Works
Old Quarry
Cricket Ground
Allotment Gardens
Carr Farm
Rylah