



51 (on 47 SE refers to top) SK47 SE / SK 47 SW 51 (on 47 SE refers to top)

MARKHAM COLLIERY

Deep Hard to Blackshale Return Drift

SK 47 SW / 53 - - 00180

TOP BOTTOM
E 445 174 444 696 DATE Aug.1973 - Oct. 1974
N 372 410 372 520 STARTING LEVEL - 453.38 m

| SEAMS * ANALYSED | LOG | COMMERCIAL IN CONFIDENCE | | DIP DEV OIL GAS WATER | GEOLOGICAL LOG | CORING CASSING LEFT |
|---------------------|----------------|----------------------------------|--|-----------------------------------|----------------|------------------------|
| D.H. | DEPTH (METRES) | Seam thicknesses in centimetres. | | | | |
| | | coal laminae | | | | |
| | | No record 9.91-8.11 | | | | |
| | | No record 6.93-8.13 | | | | |
| 1st. Piper | 10 | wavy | | | | |
| | | c, dc, d 116 at 12.85 | | | | |
| | | brown sandy | | | | |
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BGS ID: 767544 : BGS Reference: SK47SW53
British National Grid (27700) : 444681,372522

SK 47 SW / 53

Section of **MARKHAM COLLIERY**

DEEP HARD TO BLACKSHALE RETURN DRIFT

Purpose

| Exact Site | TOP | BOTTOM |
|------------|-----|--------|
|------------|-----|--------|

E 445174 444696

N 372410 372520

Level at which drift commenced relative to O.D. - 453.38 m

Date of sinking or boring August 1973 - October 1974

Sinker or borer.....National Coal Board

Examined by P.K. Boam

8 - 1 NCH MAP

B/H REGD. NO.

(County, Sheet and Qtr.)

SK 47 SE/
SK 47 SW
(Nat. Grid, Sheet & Qtr.)

51
(on 47SE
refers
to top

Attach tracing from a map or sketch map if possible

...COMMERCIAL IN CONFIDENCE

[illegible]

FORM P-71
SERIES 580

COMMERCIAL IN CONFERENCE

Section of MARKHAM COLLIERY
DEEP HARD TO BLACKSHALE RETURN DRIFT

| | |
|-------------|-----|
| 8-INCH MAP | B/H |
| -- OCT 1980 | |
| SK 47 SW | 53 |

*Delete as appropriate

[illegible]

~ FORM P.71
SERIES 680

Содерж.

6-INCH MAP

B/H

- - OCT 1980

Section of MARKHAM COLLIERY
DEEP HARD TO BLACKSHALE RETURN DRIFT

SK 47 SW 53

*Delete as appropriate

[illegible]

FORM P 71
SERIES 680

COMMERCIAL IN CONFIDENCE
OLITERY

Section of MARKHAM COLLIERY
DEEP HARD TO BLACKSHALE RETURN DRIFT

| | |
|------------|-----|
| B-INCH MAP | B/H |
| SK 47 SW | 53 |

*Delete as appropriate

[illegible]



FORM P 71
SERIES 680

COMMERCIAL IN CONFIDENCE

Section of MARKHAM COLLIERY
DEEP HARD TO BLACKSHALE RETURN DRIFT

| 6-INCH MAP | B/H |
|------------|-----|
| SK 47 SW | 53 |

*Delete as appropriate

| GEOLOGICAL CLASSIFICATION | NATURE OF STRATA | THICKNESS | | DEPTH | |
|--|---|-----------|-----------|----------|-----------|
| | | m or ft* | cm or in* | m or ft* | cm or in* |
| | | | | 53 | 31 |
| Siltstone | fine, unlaminated, ironstone; abundant plants, ferns | 0 | 76 | 54 | 07 |
| Siltstone | fine, with sandstone laminae; micaceous planty planes; <u>Stigmaria</u> | 1 | 12 | 55 | 19 |
| Sandstone | medium, micro-breccia | 0 | 33 | 55 | 52 |
| NO RECORD | | 1 | 95 | 57 | 47 |
| Siltstone | fine; ironstone; plants including <u>Calamites</u> | 0 | 61 | 58 | 08 |
| Sandstone | with siltstone; ripple and 'train' drift, variously inclined small displaced blocks, anastomosing faultlets; local coaly breccia | 0 | 36 | 58 | 44 |
| Siltstone | fine to medium | 1 | 22 | 59 | 66 |
| Sandstone | and siltstone, brecciated; ironstone, coal laminae | 0 | 15 | 59 | 81 |
| Siltstone | fine with thin sandstone laminae | 0 | 33 | 60 | 14 |
| Sandstone | medium; well-cemented; coal laminae; stained fissures | 0 | 69 | 60 | 83 |
| Siltstone | medium, with sandstone; micaceous planty planes; long burrows, bioturbated | 0 | 61 | 61 | 44 |
| Siltstone | medium, rare plants | 2 | 25 | 63 | 69 |
| Siltstone | fine, with lenticular sandstone laminae; plants | 1 | 20 | | |
| <u>THREEQUARTER</u> <u>HORIZON</u> <u>Seat Earth</u> | (seam washed out) | | | 64 | 89 |

FORM P 71
SERIES 080

CONFIDENTIAL - SECURITY INFORMATION

Section of **MARKHAM COLLIERY**
 **DEEP HARD TO BLACKSHALE RETURN DRIFT**

| | |
|------------|-----|
| 8-INCH MAP | S/H |
| OCT 1980 | |
| SK 42 SW | 53 |

*Delete as appropriate

[illegible]

FORM P.71
SERIES 680

COMMERCIAL IN CONFIDENCE

Section of MARKHAM COLLIERY
DEEP HARD TO BLACKSHALE RETURN DRIFT

| | |
|--------------|-----|
| G-1 INCH MAP | B/H |
| -- OCT 1980 | |
| SK 47 SW | 53 |

*Delete as appropriate

| GEOLOGICAL CLASSIFICATION | NATURE OF STRATA | THICKNESS | | DEPTH | |
|------------------------------------|--|-----------|-----------|----------|-----------|
| | | m or ft* | cm or in* | m or ft* | cm or in* |
| | | | | 80 | 66 |
| Sandstone | | 0 | 30 | 80 | 96 |
| Siltstone | with lenticular sandstone ripples | 2 | 44 | 83 | 40 |
| Siltstone | fine with thin sandstone laminae; micaceous planty planes | 3 | 65 | 87 | 05 |
| Siltstone | fine to medium | 1 | 22 | 88 | 27 |
| Mudstone | laminated, ironstone nodules and bands; wormy | 1 | 73 | 90 | 00 |
| Mudstone | dark, slightly carbonaceous; ironstone nodules | 2 | 13 | 92 | 13 |
| Mudstone | laminated: ironstone | 2 | 29 | 94 | 42 |
| <u>YARD SEAM</u> | Coal | 0 | 61 | | |
| <u>Seat Earth</u> | | | | 95 | 03 |
| Mudstone | listric: ironstone nodules | 0 | 20 | 95 | 23 |
| Siltstone | ironstone at base | 1 | 32 | 96 | 55 |
| <u>BLACKSHALE</u> (FOURTH LEAF) | cannel 10 coal 6 16 | 0 | 16 | | |
| <u>Seat Earth</u> | | | | 96 | 71 |
| Mudstone | highly listric: ironstone nodules | 0 | 36 | 97 | 07 |
| Mudstone | coal laminae | 0 | 15 | 97 | 22 |
| Siltstone | ironstone nodules; Stigmara | 0 | 91 | 98 | 13 |

FORM P 71
SERIES 680

Section of MARKHAM COLLIERY
DEEP HARD TO BLACKSHALE RETURN DRIFT

COMMERCIAL IN CONFIDENCE

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| 8-INCH MAP | B/H |
| - - 001180 | |
| SK 47 SW | 53 |

*Delete as appropriate

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