

Memorandum 4600 6917 (p.361)

44600 } NGR  
N 36 9 18 }

112/119

NCB State (Jan 1983):  
Shaft sunk 1910  
reworking until 1921  
Fills 1981

PALMERTON AIR SHAFT SECTION

DATE OF SINKING 1920.

SK46NE13

Capped March 1968

No.		Yds	Ft.	Ins.	Yds.	Ft.	Ins.
1	Ready bricked	7	2	4	7	23	2
2	Soft Blue Bind	2	0	0	19	59	2
3	Dark Bind	2	0	3	21	65	2
4	Fire Clay	0	1	6	22	67	1
5	Soft Clunch	0	2	6	23	69	0
6	Stone Bind (full of slips)	3	1	6	26	80	2
7	Blue Bind	3	0	2	31	95	2
8	Coal	0	0	1 1/2	31	95	2
9	Soft Clunch	1	2	6	33	100	1
10	Soft Blue Bind	2	0	3	35	107	2
11	Soft Blue Bind with Ironstone Balls	3	2	0	59	118	1
12	Blue Bind	0	1	8	39	119	2
13	Coal (and Bat) SUTTON MB COAL	0	1	0	40	120	0
14	Clunch	0	1	7	40	122	2
15	Stone Bind with rock bands	1	1	1	42	126	0
16	Beddy Rock with soft bind bands	2	2	0	44	134	2
17	Stone Bind	0	1	8	45	136	1
18	Coal and dirt	0	1	8 9	45	137	2
19	Stone clunch	0	2	0	46	139	1
20	Stone Bind	0	2	10	47	142	1
21	Strong Blue Bind	0	1	8	48	144	0
22	Blue Bind with Ironstone Balls	3	0	4	51	153	0
23	Hard Brown Gank	0	1	0	51	154	1
24	Blue Bind with Ironstone Balls HAUGHTON MB	8	0	6	59	178	2
25	Strong Dark Bind with Ironstone Balls	0	2	10	60	182	2
26	Strong Clunch	0	2	4	61	184	1
27	Stone Bind	2	0	4	63	190	1
28	Dark Bind (with coal bands) SWINTON POTTERY ABOUT HERE	1	0	5	64	194	2
29	Stone Clunch	1	2	3	66	199	1
30	Hard Rock	1	2	6	68	204	0
31	Coal	0	0	0 1/2	68	204	0
32	Stone Clunch	1	0	9	69	208	1
33	Blue Bind with Ironstone bands	2	0	6	71	215	2
34	Coal	0	1	0	72	216	0
35	Fire Clay	0	0	8	72	216	0
36	Rock (gives off water)	1	2	6	74	222	0
37	Beddy Rock	1	2	4	75	227	2
38	Blue Bind	4	0	7	80	240	0
39	Dark Bind	0	2	9	81	243	0
40	Coal	0	0	7	81	243	0
41	Soft Clunch	0	0	6	81	244	1
42	Stone Clunch	0	2	1	82	246	0
43	Beddy Rock with Stone bind bands	3	0	0	85	255	0
44	Grey Rock	3	2	2	88	264	2
45	Stone Bind	1	0	4	89	267	2
46	Stone Bind	4	0	2	93	281	2
47	Dark Bind	0	2	3	94	284	2
48	Stone Clunch	1	1	2	96	288	0
49	Stone Bind	2	1	1	98	295	1
50	Strong Blue Bind	3	2	1	102	306	0
51	Strong Dark Bind	4	0	0	106	318	0
52	Clown Coal CROWN	1	0	7	107	322	1
53	Stone Clunch	1	2	1	109	327	0
54	Strong Beddy Rock	2	2	4	111	335	2
55	Blue Bind	2	2	0	114	343	1
56	Dark Bind with Gank Balls	2	1	1	116	350	2
57	Soft Clunch	2	0	2	118	356	2
58	Stone Bind	12	1	9	131	392	1
59	Coal MB top layer?	0	1	2	131	393	2
60	Stone Clunch with Coal and bat	2	0	0	133	401	2
61	Stone Clunch with coal and bat	2	0	4	135	407	2

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MILVERTON AIR SHAFT SECTION (contd.)

WESTPHALIAN B		Yds.	ft.	Ins.	Yds.	ft.	Ins.
62	Stone Bind	0	0	4	136	0 403	3 ✓
63	Coal (mixed with bat and dark bind) <i>RAIN GANGET</i>	1	0	10	137	1 412	1 ✓
64	Stone Clunch	1	1	2	138	2 416	3 ✓
65	Strong Stone Bind	4	0	2	142	2 428	5 ✓
66	Strong Stone Bind	2	2	3	145	1 436	8 ✓
67	Coal and bat	0	1	7	146	0 438	3 ✓
68	Soft Clunch	0	0	7	146	0 438	10 ✓
69	Strong Rock	1	1	2	147	2 443	0 ✓
70	Stone Bind	8	2	10	156	1 464	10 ✓
71	Strong Dark Bind <i>TWO-FOOT M.B.</i>	5	2	4	162	1 487	2 ✓
72	Coal	0	1	11	163	0 489	1 ✓
73	Stone Clunch	1	0	0	164	0 492	1 ✓
74	Blue Bind	0	1	8	164	1 493	9 ✓
75	Coal	0	1	5	165	0 495	2 ✓
76	Soft Clunch	0	1	0	165	1 496	2 ✓
77	Stone Bind	4	0	0	169	1 508	2 ✓
78	Dark Blue Bind	2	0	8	171	1 514	10 ✓
79	Coal <i>FURNACE</i>	0	2	2	172	1 517	0 ✓
80	Stone Clunch	1	1	6	173	2 521	6 ✓
81	Stone Bind with Rock Bands	4	0	2	177	2 533	8 ✓
82	Black Bat	0	0	3	177	2 533	11 ✓
83	Clunch (with bits of coal)	0	2	0	178	1 535	11 ✓
84	Coal	0	0	5	178	2 536	4 ✓
85	Soft Clunch	0	2	0	179	1 537	4 ✓
86	Stone Bind with Cank balls	4	2	4	184	0 552	8 ✓
87	Hard Rock	5	1	4	189	2 564	0 ✓
88	Brown Cank	1	1	1	191	0 573	1 ✓
89	Grey Rock	3	0	1	194	0 582	2 ✓
90	Coal	0	1	6	194	1 583	8 ✓
91	Soft Clunch	0	1	0	194	2 584	8 ✓
92	Beddy Rock	1	0	9	196	0 588	5 ✓
93	Stone Bind	0	0	10	196	1 589	3 ✓
94	Stone Bind	3	1	6	199	2 594	9 ✓
95	Coal	0	0	8	200	0 600	5 ✓
96	Stone Clunch	1	1	6	201	1 604	11 ✓
97	Curly Stone Bind	5	0	3	206	2 620	2 ✓
98	Beddy Rock	0	2	0	207	1 622	2 ✓
99	Brown Cank	0	1	5	207	2 623	7 ✓
100	Stone Bind	5	0	6	213	0 639	1 ✓
101	Dark Bind	0	2	6	213	2 641	7 ✓
102	Coal (with streaks of clunch)	0	0	6	214	0 642	1 ✓
103	Stone Clunch	0	1	7	214	1 643	8 ✓
104	Rock Band	0	0	4	214	2 644	0 ✓
105	Brown Cank	0	1	8	215	0 645	8 ✓
106	Stone Clunch	0	0	6	215	1 646	2 ✓
107	Stone Bind	10	0	5	225	1 676	7 ✓
108	Blue Bind with Ironstone balls	4	1	9	230	0 690	4 ✓
109	High Hazel Coal ✓	1	0	5	231	0 693	9 ✓
110	Soft Clunch	0	2	0	231	2 695	9 ✓
111	Stone Clunch	0	1	6	232	1 697	3 ✓
112	Stone Bind	2	0	9	234	2 704	0 ✓
113	Grey Rock	1	0	2	235	2 707	2 ✓
114	Stone Bind	4	0	3	239	2 719	5 ✓
115	Blue Bind with Ironstone Bands	4	2	2	244	1 733	7 ✓
116	Dark Bind	1	2	3	246	0 738	10 ✓
117	Stone Clunch	0	1	9	246	2 740	7 ✓
118	Stone Bind	1	1	2	248	0 744	9 ✓
119	Blue Bind	2	0	2	250	0 750	11 ✓
120	Blue Bind with Ironstone Bands	4	0	9	254	1 763	8 ✓
121	Coal Mixed with bat and clunch	0	1	10	255	0 765	6 ✓
122	Stone Clunch	1	1	0	256	1 769	6 ✓
123	Blue Bind	2	0	6	258	2 776	0 ✓
124	Coal	0	0	9	258	2 776	9 ✓
125	Stone Clunch	0	2	9	259	2 779	6 ✓
126	Rock	1	1	1	261	0 783	7 ✓
127	Strong Stone Bind	2	1	1	263	1 790	8 ✓

1<sup>st</sup> ST JOHN'S  
(Clay Coal)

1<sup>st</sup> ST JOHN'S  
(Bottom Coal)



PALFERTON AIR SHAFT SECTION ( contd.)

**SK46NE/13**

No.	WESTPHALIAN B		Yds.	ft.	Ins.	Yds.	ft.	Ins.
128	Grey Rock		0	2	1	264	0	7 1/2 9
129	Stone Bind		4	0	3	268	1	8 0 5 0
130	Coal	2 <sup>nd</sup> ST. JOHNS	0	1	1	268	2	8 0 6 1
131	Stone Clunch		1	2	0	270	1	8 1 1 1
132	Stone Bind with Cank Balls		5	1	4	275	2	8 2 7 5
133	Grey Rock		1	0	8	277	0	8 3 1 1
134	Brown Cank		0	2	1	277	2	8 3 3 2
135	Grey Rock		0	2	2	278	1	8 3 5 4
136	Stone Bind		3	0	5	281	1	8 4 4 9
137	Blue Bind with Ironstone balls		3	0	1	284	1	8 5 3 10
138	Dark Bind		1	0	1	285	1	8 5 6 11
139	Stone Clunch		1	2	2	287	1	8 6 2 1
140	Grey Rock		4	0	3	291	1	8 7 4 4
141	Brown Cank		1	0	9	292	2	8 7 8 1
142	Stone Clunch mixed with soft bands of clunch		2	2	0	295	1	8 8 6 1
143	Stone Bind		4	0	0	299	1	8 9 8 1
144	Strong Stone Bind		3	2	5	303	0	9 0 9 6
145	Blue Bind with Ironstone Bands		4	0	3	307	0	9 2 1 9
146	Dark Bind		1	2	0	308	2	9 2 6 9
147	Stone Clunch		0	2	2	309	1	9 2 8 11
148	Stone Bind		3	2	8	313	1	9 4 0 7
149	Coal		0	1	7 1/2	314	0	9 4 2 2 1/2
150	Stone Clunch		0	2	4	314	2	9 4 4 6
151	Stone Bind		3	0	10	318	0	9 5 4 4
152	Grey Rock		1	2	6	319	2	9 5 9 10
153	Stone Bind with Ironstone Balls		1	0	6	321	0	9 6 3 4
154	Blue Bind with Ironstone Balls		4	1	4	325	1	9 7 6 8
155	Stone Bind		4	2	2	330	0	9 8 10
156	Blue Bind		1	1	0	331	1	9 9 4 10
157	Coal		0	0	5	331	2	9 9 5 3
158	Clunch with streaks of coal		1	0	8	332	2	9 9 8 11
159	Hard Grey Rock		1	0	0	333	2	1 0 0 11
160	Stone Bind with rock bands		2	0	2	336	0	1 0 8 1
161	Beddy Rock		6	0	7	342	0	1 0 2 6 8
162	Grey Rock		3	0	6	345	1	1 0 3 6 2
163	Top Hard Coal	✓	2	0	2	347	1	1 0 4 2 4
164	Branch		0	0	4	347	1	1 0 4 2 8
165	Clunch		1	1	6	349	0	1 0 4 8 2
166	Rock		2	2	10	352	0	1 0 5 6 0
167	Bind with rock bands		3	2	6	355	2	1 0 6 7 6
168	Grey Rock		0	2	0	356	1	1 0 6 9 6
169	Brown Cank		1	0	6	357	2	1 0 7 3 0
170	Grey Rock		0	2	10	358	1	1 0 7 5 10
171	Stone Bind		0	1	10	359	0	1 0 7 7 8

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SK 46NE/13

DESCRIPTION OF SHAFT SECTION

DATE OF SURVEY 1920.

No.		Yds.	Ft.	Ins.	Yds.	Ft.	Ins.
1	Ready bricked	7	2	4	7	2	4
2	Soft Blue Bind	12	0	0	19	2	4
3	Dark Bind	2	0	0	21	2	7
4	Fire Clay	0	1	6	22	1	1
5	Soft Clunch	0	2	6	23	0	7
6	Stone Bind (full of slips)	3	1	6	26	2	1
7	Blue Bind	3	0	2	31	2	3
8	Coal	0	0	1	31	2	4
9	Soft Clunch	1	2	6	33	1	13
10	Soft Blue Bind	2	0	3	35	2	1
11	Soft Blue Bind with Ironstone Balls	3	2	0	39	1	1
12	Blue Bind	0	1	8	39	2	9
13	Coal (and Bat)	0	1	0	40	0	9
14	Clunch	0	1	7	40	2	4
15	Stone Bind with rock bands	1	1	1	42	0	5
16	Beddy Rock with soft bind bands	2	2	0	44	2	5
17	Stone Bind	0	1	8	45	1	1
18	Coal and dirt	0	1	2	45	2	10
19	Stone clunch	0	2	0	46	1	10
20	Stone Bind	0	2	10	47	1	6
21	Strong Blue Bind	0	1	8	48	0	4
22	Blue Bind with Ironstone Balls	3	0	4	51	0	8
23	Hard Brown Gank	0	1	0	53	1	2
24	Blue Bind with Ironstone Balls	8	0	6	59	2	2
25	Strong Dark Bind with Ironstone Balls	0	2	10	60	2	0
26	Strong Clunch	0	2	4	61	1	4
27	Stone Bind	2	0	4	63	1	8
28	Dark Bind (with coal bands)	1	1	5	64	2	1
29	Stone Clunch	1	2	6	66	1	4
30	Hard Rock	1	2	6	68	0	10
31	Coal	0	0	0	68	0	11
32	Stone Clunch	1	0	9	69	1	8
33	Blue Bind with Ironstone bands	2	0	6	71	2	2
34	Coal	0	1	0	72	0	2
35	Fire Clay	0	0	8	72	0	10
36	Rock (gives off water)	1	2	6	74	0	4
37	Beddy Rock	1	2	4	75	2	8
38	Blue Bind	4	0	0	80	0	0
39	Dark Bind	0	2	0	81	0	0
40	Coal	0	0	0	81	0	0
41	Soft Clunch	0	0	6	81	1	1
42	Stone Clunch	0	2	1	82	0	2
43	Beddy Rock with Stone bind bands	3	0	0	85	0	2
44	Grey Rock	3	2	2	88	2	4
45	Stone Bind	1	0	4	89	2	8
46	Stone Bind	4	0	2	93	2	10
47	Dark Bind	0	2	3	94	2	1
48	Stone Clunch	1	1	2	96	0	3
49	Stone Bind	2	1	1	98	1	4
50	Strong Blue Bind	3	2	1	102	0	5
51	Strong Dark Bind	2	0	0	106	0	5
52	Clown Coal	1	0	7	107	1	0
53	Stone Clunch	1	2	1	109	0	1
54	Strong Beddy Rock	2	2	4	111	2	3
55	Blue Bind	2	2	0	114	1	5
56	Dark Bind with Gank Balls	2	1	2	116	2	8
57	Soft Clunch	2	0	2	118	2	0
58	Stone Bind	12	1	2	131	1	5
59	Coal	0	1	2	131	2	7
60	Stone Clunch with coal and bat	2	0	0	135	2	7
61	Stone Clunch with coal and bat	2	0	0	135	2	11



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WILKINGTON AIR SHAFT SECTION (contd.)

WESTPHALIAN B		Yds.	ft.	Ins.	Yds.	ft.	Ins.
62	Stone Bind	0	0	4	136	0	3
63	Coal (mixed with bat and dark bind)	1	0	10	137	1	1
64	Stone Clunch	1	1	2	138	2	3
65	Strong Stone Bind	4	0	2	142	2	5
66	Strong Stone Bind	2	2	3	145	1	8
67	Coal and bat	0	1	7	146	0	3
68	Soft Clunch	0	0	7	146	0	10
69	Strong Rock	1	1	2	147	2	0
70	Stone Bind	8	2	10	156	1	10
71	Strong Dark Bind	5	2	4	162	1	2
72	Coal	0	1	11	163	0	1
73	Stone Clunch	1	0	0	164	0	1
74	Blue Bind	0	1	8	164	1	9
75	Coal	0	1	5	165	0	2
76	Soft Clunch	0	1	0	165	1	2
77	Stone Bind	4	0	0	169	1	2
78	Dark Blue Bind	2	0	8	171	1	10
79	Coal	0	2	2	172	1	0
80	Stone Clunch	1	1	6	173	2	6
81	Stone Bind with Rock Bands	4	0	2	177	2	8
82	Black Bat	0	0	3	177	2	11
83	Clunch (with bits of coal)	0	2	0	178	1	11
84	Coal	0	0	5	178	2	4
85	Soft Clunch	0	2	0	179	1	4
86	Stone Bind with Cank balls	4	2	4	184	0	8
87	Hard Rock	5	1	4	189	2	0
88	Brown Cank	1	1	1	191	0	1
89	Gray Rock	3	0	1	194	0	2
90	Coal	0	1	6	194	1	8
91	Soft Clunch	0	1	0	194	2	8
92	Beddy Rock	1	0	9	196	0	3
93	Stone Bind	0	0	10	196	1	3
94	Stone Bind	3	1	6	199	2	9
95	Coal	0	0	8	200	0	9
96	Stone Clunch	1	1	6	201	1	11
97	Curly Stone Bind	5	0	3	206	2	2
98	Beddy Rock	0	2	0	207	1	2
99	Brown Cank	0	1	5	207	2	7
100	Stone Bind	5	0	6	213	0	1
101	Dark Bind	0	2	6	213	2	7
102	Coal (with streaks of clunch)	0	0	6	214	0	1
103	Stone Clunch	0	1	7	214	1	8
104	Rock Band	0	0	4	214	2	0
105	Brown Cank	0	1	8	215	0	8
106	Stone Clunch	0	0	6	215	3	2
107	Stone Bind	10	0	5	225	1	7
108	Blue Bind with Ironstone balls	4	1	9	230	0	4
109	High Hazel Coal	1	0	5	231	0	9
110	Soft Clunch	0	2	0	231	2	9
111	Stone Clunch	0	1	6	232	1	3
112	Stone Bind	2	0	9	234	2	0
113	Gray Rock	1	0	2	235	2	2
114	Stone Bind	4	0	3	239	2	5
115	Blue Bind with Ironstone Bands	4	2	2	244	1	7
116	Dark Bind	1	2	3	246	0	10
117	Stone Clunch	0	1	9	246	2	7
118	Stone Bind	1	1	2	248	0	9
119	Blue Bind	2	0	2	250	0	11
120	Blue Bind with Ironstone Bands	4	0	9	254	1	8
121	Coal Mixed with bat and clunch	0	1	10	255	0	6
122	Stone Clunch	1	1	0	256	1	6
123	Blue Bind	2	0	6	258	2	0
124	Coal	0	0	9	258	2	9
125	Stone Clunch	0	2	9	259	2	6
126	Rock	1	1	1	261	0	7
127	Strong Stone Bind	2	1	1	265	1	8

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*P. July 1981*