K-FORDING RIVER 83(3)A

328

CONFIDENTIAL

GEOLOGICAL BRANCH
ASSESSMENT REPORT

00 328

APPENDIX 2

DRILLHOLE LOGS

i) Lithological Logs

Rotary Drill Geological Log

Fording COAL LIMITED

FORDING RIVER OPERATIONS

Objective:

LATITUDE	DEPARTURE	ELEVATION	Ore Classes &
145,895.0 N	22,830.0 E	1690.3 m	0.0

Logged By: K.K. Date: March 8, 1983

Block:	Sect:	Place:	App. Bear:	App.: Dip.:	Length:
		South Greenhills		-90°	83.5 m

INTERSECTIONS TAKEN FROM GAMMA RAY — NEUTRON LOG ☒ YES ☐ NO

From m.	To m.	From Ft.	To Ft.		TOP OF SEAM	ELEVATION	TTL. TH.	NET TH.
00	3.5			Overburden				
3.5	6.0			Silty Mudstone				
6.0	8.0			Mudstone				
8.0	9.0			Coal	F1	1682.3	1.0	
9.0	19.0			Sandstone - fining downward				
19.0	38.2			Siltstone - fining downward				
38.2	42.7			Coal	F2	1652.1	4.5	
42.7	48.1			Silty Mudstone				
48.1	49.4			Coal	F3	1642.2	1.3	
49.4	51.2			Mudstone				
51.2	77.5			Sandstone				
77.5	83.0			Silty Mudstone				
83.0	83.5			Coal (end in coal)	FU	1607.3 0	+0.5	
				End of Hole				

Hole No. RH # 1859 Page 1 of 1

2507 — ND

Rotary Drill Geological Log

Fording COAL LIMITED

FORDING RIVER OPERATIONS

Objective:

LATITUDE	DEPARTURE	ELEVATION
145,790.0 N	22,642.5 E	1702.7 m

Logged By: K.K. Date: March 11, 1983

Block:	Sect:	Place:	App. Bear:	App.: Dip.:	Length:
		South Greenhills -		-90°	150.0 m

Ore Classes 0.0

INTERSECTIONS TAKEN FROM GAMMA RAY — NEUTRON LOG ☒ YES ☐ NO

From m.	To m.	From Ft.	To Ft.		TOP OF SEAM	ELEVATION	TTL. TH.	NET TH.
00	6.0			Overburden				
6.0	11.0			Sandstone				
11.0	11.6			Mudstone				
11.6	13.3			Coal	GU	1691.1	1.7	
13.3	14.0			Mudstone				
14.0	15.4			Sandstone				
15.4	16.0			Mudstone				
16.0	18.5			Siltstone				
18.5	20.8			Mudstone				
20.8	23.1			Coal	G:	1681.9	2.3	
23.1	29.5			Mudstone				
29.5	45.0			Sandstone				
45.0	48.5			Siltstone				
48.5	49.0			Mudstone				
49.0	51.9			Coal	Em_3	1653.7	1.9	
51.9	57,5			Muddy Siltstone				
57.5	65.2			Sandstone with siltstone interbeds				
65.2	70.0			Siltstone				
70.0	71.1			Mudstone				
71.1	73.0			Coal	Em_3	1631.6	1.9	
73.0	88.6			Siltstone with Mudstone interbeds				

Hole No. RH # 1860

2507 — N

Rotary Drill Geological Log

Fording COAL LIMITED — FORDING RIVER OPERATIONS

Objective:

LATITUDE	DEPARTURE	ELEVATION	Ore Classes
			0.0

Logged By: K.K. Date: March 11,1983

Block:	Sect:	Place:	App. Bear:	App.: Dip.:	Length:

INTERSECTIONS TAKEN FROM GAMMA RAY — NEUTRON LOG ☐ YES ☐ NO

From m.	To m.	From Ft.	To Ft.		TOP OF SEAM	ELEVATION	TTL. TH.	NET TH.
88.6	93.0			Coal (0.7 m parting @ 91.7)	F	1614.1	4.4	3.7
93.0	104.0			~~Sandstone with~~ Siltstone interbeds				
104.0	107.1			Coal				
107.1	108.0			Mudstone	F_1	1598.7	3.1	
108.0	131.0			Sandy Siltstone with sandstone interbeds				
131.0	135.7			Silty Mudstone grading downward to Mudstone				
135.7	138.2			Coal				
138.2	150.0			Siltstone with Mudstone interbeds	F_3	1567.0	2.5	
				End of Hole				

Hole No. RH # 1860 Page 2 of 2

Rotary Drill Geological Log

Fording COAL LIMITED — FORDING RIVER OPERATIONS

Objective:

Logged By: K.K. Date: March 11, 1983

LATITUDE	DEPARTURE	ELEVATION
145,787.5 N	22,731.4 E	1716.7 m

Ore Classes &

0.0

Block:	Sect:	Place:	App. Bear:	App.: Dip:	Length:
		South Greenhills		-90°	151.5 m

INTERSECTIONS TAKEN FROM GAMMA RAY — NEUTRON LOG [XXXX] YES [ ] NO

From m.	To m.	From Ft.	To Ft.		TOP OF SEAM	ELEVATION	TTL. TH.	NET TH.
00	12.0			Silty Sandstone				
12.0	13.9			Mudstone				
13.9	17.9			Coal	H	1702 .8	4.0	
17.9	36.5			Silty Sandstone				
36.5	40.0			Siltstone				
40.0	41.4			Mudstone				
41.4	43.2			Coal	GU	1675.3	1.8	
43.5	61.4			Siltstone				
61.4	69.2			Coal	G	1655.3	7.8	
69.2	79.3			Silty Sandstone with 1.0 m mudstone @ 71.5 m				
79.3	88.5			Siltstone				
88.5	98.5			Silty Sandstone				
98.5	104.0			Siltstone				
104.0	134.5			Sandstone with Siltstone interbeds				
134.5	134.8			Mudstone				
134.8	138.5			Coal	?	1581.9	3.7	
138.5	140.5			Mudstone				
140.5	151.5			Siltstone with mudstone interbed @ 145.0				
				End of Hole				

Hole No. RH # 1861 Page 1 of 1

2507 — N

Rotary Drill Geological Log

Fording COAL LIMITED — FORDING RIVER OPERATIONS

Objective:

Logged By: K.K. **Date:** March 17,1983

LATITUDE	DEPARTURE	ELEVATION
145,794.2 N	22,861.8 E	1711.9 m

Ore Classes & A

0.0

Block:	Sect:	Place:	App. Bear:	App.: Dip.:	Length:
		South Greenhills		-90°	78.0 m

INTERSECTIONS TAKEN FROM GAMMA RAY — NEUTRON LOG ☒ YES ☐ NO

From m.	To m.	From Ft.	To Ft.		TOP OF SEAM	ELEVATION	TTL. TH.	NET TH.
00	7.5			Siltstone				
7.5	8.4			Mudstone				
8.4	11.9			Coal		1703.5	3.5	
11.9	23.0			Siltstone				
23.0	31.5			Silty Mudstone				
31.5	44.5			Sandy Siltstone				
44.5	57.5			Mudstone coarsening downward to Siltstone				
57.5	59.7			Mudstone				
59.7	62.6			Coal		1652.2	2.9'	
62.6	66.5			Mudstone				
66.5	70.5			Sandstone				
70.5	71.1			Mudstone				
71.1	72.4			Coal		1640.8	1.3	
72.4	74.5			Mudstone				
74.5	78.0			Siltstone				
				End of Hole				

Hole No. RH # 1862 Page 1 of 1

2507 — NC

Rotary Drill Geological Log

Fording COAL LIMITED — FORDING RIVER OPERATIONS

Objective:

Logged By: K.K. Date: March 16, 1983

LATITUDE	DEPARTURE	ELEVATION
145,637.9 N	22,639.7 E	1746.0 m

Ore Classes & Ave

0.0

Block: | Sect: | Place: South Greenhills | App. Bear: | App.: Dip.: -90° | Length: 146.0 m

INTERSECTIONS TAKEN FROM GAMMA RAY — NEUTRON LOG [XXX] YES [ ] NO

From m.	To m.	From Ft.	To Ft.		TOP OF SEAM	ELEVATION	TTL. TH.	NET TH.
00	3.0			Overburden				
3.0	22.6			Siltstone with Mudstone interbeds				
22.6	26,8			Coal with 1.9 m Mudstone parting @ 23.6 m	J1	1723.4	4.2	2.3
26.8	45.4			Siltstone with Mudstone interbeds				
45.4	47.6			Coal	J	1700.6	2.2	
47.6	50.5			Mudstone				
50.5	54.0			Sandstone				
54.0	59.5			Silty Mudstone				
59.5	66.4			Interbedded Siltstone and Sandstone				
66.4	69.9			Coal with 0.8 m parting at 67.5 m	I	1679.6	3.5	2.7
69.9	72.0			Mudstone				
72.0	78.2			Siltstone with mudstone interbeds				
78.2	81.5			Mudstone				
81.5	83.3			Coal				
83.3	90.7			Carb. mudstone grading to siltstone	HMI	1664.5	1.8	
90.7	110.3			Sandstone with siltstone interbeds				
110.3	113.5			Silty Mudstone				
113.5	119.6			Coal				
119.6	124.5			Siltstone	H	1632.5	6.1	
124.5	141.3			Sandstone with Siltstone interbeds				
141,3	142,7			Coal				
142.7	146.0			Silty Mudstone	GU	1604.7	1.7	
				End of Hole				

Hole No. RH # 1863 Page 1 of 1

2507 — NDN

Rotary Drill Geological Log

Fording COAL LIMITED — FORDING RIVER OPERATIONS

Objective:

Logged By: K.K. Date: March 12, 1983

LATITUDE	DEPARTURE	ELEVATION
145,613.3 N	22,940.0 E	1734.8 m

Ore Classes &

0.0

Block:	Sect:	Place:	App. Bear:	App.: Dip.:	Length:
		South Greenhills		-90°	720 m

INTERSECTIONS TAKEN FROM GAMMA RAY — NEUTRON LOG ☒ YES ☐ NO

From m	To m.	From Ft.	To Ft.		TOP OF SEAM	ELEVATION	TTL. TH.	NET TH.
00	50.7			Silty Mudstone		1684.1		
50.7	51.7			Erickson Fault				
51.7	72.0			Limestone (Rundle Group)				
				end of Hole				

Hole No. RH # 1864 Page 1 of 1

2507 — NI

Rotary Drill Geological Log

Fording COAL LIMITED

FORDING RIVER OPERATIONS

Objective:

Logged By: K.K. Date: March 15,1983

LATITUDE	DEPARTURE	ELEVATION
145,500.5 N	22,694.0 E	1771.0 m

Block: | Sect: | Place: South Greenhills | App. Bear: | App.: Dip.: -90° | Length: 147.0 m

Ore Classes & Aver.

0.0

INTERSECTIONS TAKEN FROM GAMMA RAY — NEUTRON LOG ☒ YES ☐ NO

From m.	To m.	From Ft.	To Ft.		TOP OF SEAM	ELEVATION	TTL. TH.	NET TH.
00	3.0			Overburden				
3.0	23.0			Siltstone with Sandstone interbeds				
23.0	24.5			Shaley Coal	J1	1748	1.3	
24.5	26.0			Mudstone				
26.0	41.5			Siltstone				
41.5	43.5			Mudstone				
43.5	45.9			Coal	J	1727.5	2.4	
45.9	49.3			Sandstone				
49.3	51.3			Mudstone				
51.3	53.5			Siltstone				
53.5	69.0			Interbedded siltstone and mudstone ; shaley coal @ 54.8 m				
69.0	73.0			Coal with 0.4 m parting @ 70.5 m	I	1702.0	4.0	3.6
73.0	74.0			Mudstone				
74.0	78.6			Muddy Siltstone				
78.6	80.0			Coal		1694.2	1.4	
80.0	86.9			Siltstone with 2.0 m Mudstone @ 83.5 m				
86.9	88.1			Coal		1684.1	1.2	
88.1	97.0			Interbedded Siltstone and mudstone				
97.0	117.4			Sandstone with siltstone interbeds				
117.4	122.9			Coal	H	1653.6	5.3	

Hole No. RH # 1865 Page 1 of 2

2507 — NDN

Rotary Drill Geological Log

Fording COAL LIMITED

FORDING RIVER OPERATIONS

Objective:

LATITUDE	DEPARTURE	ELEVATION

Ore Classes & Ave

0.0

Logged By: Date:

Block: Sect: Place: App. Bear: App.: Dip.: Length:

INTERSECTIONS TAKEN FROM GAMMA RAY — NEUTRON LOG ☐ YES ☐ NO

From m.	To m.	From Ft.	To Ft.		TOP OF SEAM	ELEVATION	TTL. TH.	NET TH.
122.9	124.8			Mudstone				
124.8	130.7			Silty Sandstone				
130.7	137.9			Siltstone				
137.9	139.4			Coal	GU	1633.1	1.5	
139.4	147.0			Silty Mudstone				
				End of Hole				

Hole No. RH # 1865 Page 2 of 2

2507 — NDN

Rotary Drill Geological Log

Fording COAL LIMITED

FORDING RIVER OPERATIONS

Objective:

Logged By: K.K. Date: March 14, 1983

LATITUDE	DEPARTURE	ELEVATION
145,495.9 N	22,920.5 E	1773.6 m

Ore Classes & Aver.

0.0

Block:	Sect:	Place:	App. Bear:	App.: Dip.:	Length:
		South Greenhills		-90°	75.5 m

INTERSECTIONS TAKEN FROM GAMMA RAY — NEUTRON LOG ☒ YES ☐ NO

From m.	To m.	From Ft.	To Ft.		TOP OF SEAM	ELEVATION m	TTL. TH.	NET TH.
00	5.0			Silty Sandstone				
5.0	5.9			Coal		1768.6	0.9	
5.9	15.2			Siltstone with Mudstone interbeds				
15.2	60.0			Mudstone				
60.0	64.5			Muddy Siltstone				
64.5	65.0			Erickson Fault		1709.1		
65.0	75.5			Limestone (Rundle Group)				

Hole No. RH # 1866 Page 1 of 1

2507 — NDN

Rotary Drill Geological Log

Fording COAL LIMITED — FORDING RIVER OPERATIONS

Objective:

LATITUDE	DEPARTURE	ELEVATION
145,361.6 N	22,970.1 E	1783.8 m

Logged By: K.K. Date: Mach 11, 1983

Block:	Sect:	Place:	App. Bear:	App.: Dip.:	Length:
		South Greenhills		-90°	82.0 m

Ore Classes & Ave

0.0

INTERSECTIONS TAKEN FROM GAMMA RAY — NEUTRON LOG ☒ YES ☐ NO

From m.	To m.	From Ft.	To Ft.		TOP OF SEAM	ELEVATION	TTL. TH.	NET TH.
00	3.2			Mudstone				
3.3	4.1			Coal	Fm1	1780.6	0.9	
4.1	5.1			Mudstone				
5.1	7.5			Siltstone				
7.5	14.1			Mudstone with 1 m siltstone @ 12.0 m				
14.1	23.1			Coal with 1.8 m parting and 0.6 parting @ 15.0 m and 21.3 m	F	1769.7	9.0	6.6
23.1	43.5			Mudstone with siltstone interbeds				
43.5	44.5			Erickson Fault		1740.3		
44.5	82.0			Limestone (Rundle Group)				
				End of Hole				

Hole No. RH # 1867 Page 1 of 1

2507 — NDN

Rotary Drill Geological Log

Fording COAL LIMITED — FORDING RIVER OPERATIONS

Objective:

Logged By: K.K. Date: March 11,1983

LATITUDE	DEPARTURE	ELEVATION
145,285.7 N	22,808.9 E	1772.5 m

Block: | Sect: | Place: South Greenhills | App. Bear: | App.: Dip.: -90° | Length: 155 m

Ore Classes & Aver. 0.0

INTERSECTIONS TAKEN FROM GAMMA RAY — NEUTRON LOG ☒ YES ☐ NO

From m.	To m.	From Ft.	To Ft.		TOP OF SEAM	ELEVATION	TTL. TH.	NET TH.
00	3.0			Overburden				
3.0	5.0			Sandstone				
5.0	10.7			Silty Mudstone				
10.7	15.2			Coal with 0.9 m parting @ 12.5		1761.8	4.5	3.6
15.2	27.5			Siltstone				
27.5	32.0			Sandstone				
32.0	44.5			Siltstone				
44.5	51.5			Sandstone				
51.5	53.3			Silty Mudstone				
53.3	54.8			Coal		1719.2	1.5	
54.8	67.5			Siltstone				
67.5	91.3			Sandstone with siltstone interbeds				
91.3	94.3			Coal		1681.2	3.0	
94.3	98.8			Siltstone parting				
98.8	00.3			Coal		1673.7	1.5	
100.3	04.5			Siltstone				
104.5	07.0			Mudstone				
107.0	15.4			Siltstone				
115.4	19.2			Coal		1657.1	3.8	
119.2	21.5			Silty Mudstone				
121.5	25.5			Sandstone				

Hole No. RH #1868 Page 1 of 2

2507 — NDN

Rotary Drill Geological Log

Fording COAL LIMITED

FORDING RIVER OPERATIONS

Objective:

Logged By: Date:

LATITUDE	DEPARTURE	ELEVATION

Ore Classes & Aver.

0.0

Block:	Sect:	Place:	App. Bear:	App.: Dip.:	Length:

INTERSECTIONS TAKEN FROM GAMMA RAY — NEUTRON LOG ☐ YES ☐ NO

From m.	To m.	From Ft.	To Ft.	
125.5	144.5			Siltstone
144.5	145.5			Mudstone
145.5	148.4			Coal
148.4	152.7			Siltstone
152.7	155.0			Mudstone
				End Of Hole

TOP OF SEAM	ELEVATION	TTL. TH.	NET TH.
	1627.0	2.9	

Hole No. RH # 1868 Page 2 of 2

2507 — NDN

Rotary Drill Geological Log

Fording COAL LIMITED

FORDING RIVER OPERATIONS

Objective:

LATITUDE	DEPARTURE	ELEVATION
145,305.8 N	22,921.2 E	1795.8 m

Ore Classes & Aver.

0.0

Logged By: K.K. Date: May 13, 1983

Block: Sect: Place: South Greenhills App. Bear: App.: Dip.: -90° Length: 149 m

INTERSECTIONS TAKEN FROM GAMMA RAY — NEUTRON LOG XXXX YES ☐ NO

From m.	To m.	From Ft.	To Ft.		TOP OF SEAM	ELEVATION	TTL. TH.	NET TH.
00	4.7			Overburden				
4.7	18.8			Silty Sandstone				
18.8	23.0			Coal		1777.0	4.2	
23.0	33.1			Siltstone				
33.1	37.4			Coal		1762.7	4.4	
37.4	41.1			Muddy Siltstone				
41.1	42.2			Coal		1754.7	1.1	
42.2	49.5			Interbedded Mudstone and Siltstone				
49.5	52.6			Coal		1746.3	3.1	
52.6	65.9			Siltstone with Sandstone Interbeds				
65.9	67.5			Coal		1729.9	1.6	
67.5	71.0			Silty Mudstone				
71.0	74.2			Coal with 1 m parting @ 71.5 m		1724.8	3.2	2.2
74.2	92.0			Silty Sandstone				
92.0	99.4			Siltstone				
99.4	100.3			Coal		1696.4	0.9	
100.3	110.2			Siltstone				
110.2	116.4			Coal with 2.4 m parting @ 112.4		1685.6	6.2	3.8
116.4	128.5			Mudstone				
128.5	129.0			Erickson Fault		1667.3		
129.0	149.0			Limestone ?? (Rundle Group)				
				End of Hole				

Hole No. RH # 1869 Page 1 of 1

2507 — NDN

Rotary Drill Geological Log

Fording COAL LIMITED — FORDING RIVER OPERATIONS

Objective:

Logged By: K.K. Date: May 6, 1983

LATITUDE	DEPARTURE	ELEVATION
148,188.4 N	26,890.7 E	1721.5 m

Ore Classes & Aver. 0.0

Block:	Sect:	Place:	App. Bear:	App.: Dip.:	Length:
		Kilmarnock Creek		Vertical	152 m

INTERSECTIONS TAKEN FROM GAMMA RAY — NEUTRON LOG ☒ YES ☐ NO

From m.	To m.	From Ft.	To Ft.		TOP OF SEAM	ELEVATION	TTL. TH.	NET TH.
00	22.0			Overburden				
22.0	44.0			Siltstone with Sandstone interbeds				
44.0	47.4			Silty Mudstone				
47.4	52.1			Coal with 1.1 m parting @ 49.7	R9	1674.1	4.7	3.6
52.1	56.5			Silty mudstone				
56.5	58.5			Coal	R9L	1665.0	2.0	
58.5	99.7			Interbedded Siltstone and Mudstone				
99.7	103.8			Coal	R7	1621.8	4.1	
103.8	109.7			Silty Mudstone				
109.7	110.9			Coal	R7L	1611.8	1.2	
110.9	127.5			Silty Mudstone				
127.5	152.0			Siltstone with Mudstone interbeds				
				End of Hole				

Hole No. RH # 1949 Page 1 of 1

Rotary Drill Geological Log

Fording COAL LIMITED

FORDING RIVER OPERATIONS

Objective:

Logged By: K.K. Date: May 7, 1983

LATITUDE	DEPARTURE	ELEVATION
148,187.1 N	26,995.1 E	1717.4 m

Ore Classes & Aver.

0.0

Block: | Sect: | Place: Kilmarnock Creek | App. Bear: | App.: Dip.: Vertical | Length: 116.0 m

INTERSECTIONS TAKEN FROM GAMMA RAY — NEUTRON LOG [XXXX] YES [ ] NO

From m.	To m.	From Ft.	To Ft.		TOP OF SEAM	ELEVATION	TTL. TH.	NET TH.
00	17.0			Overburden				
17.0	22.0			Mudstone				
22.0	55.5			Siltstone Grading downward to Sandstone				
55.5	66.5			Interbedded Siltstone to Sandstone				
66.5	71.4			Siltstone				
71.4	74.8			Coal				
74.8	98.1			Siltstone	R5U	1646.0	3.4	
98.1	103.7			Coal				
103.7	116.0			Siltstone	R5L	1619.3	5.6	
				End Of hole				

Hole No. RH # 1950 Page 1 of 1

2507 — NDN

Rotary Drill Geological Log

Fording COAL LIMITED — FORDING RIVER OPERATIONS

Objective:

LATITUDE	DEPARTURE	ELEVATION
148,208.4 N	27,117.7 E	1721.6m

Logged By: K.K. Date: May 10, 1983

Block: | Sect: | Place: Kilmarnock Creek | App. Bear: | App.: Dip.: Vertical | Length: 165 m

Ore Classes & Aver.

0.0

INTERSECTIONS TAKEN FROM GAMMA RAY — NEUTRON LOG ☒ YES ☐ NO

From m.	To m.	From Ft.	To Ft.		TOP OF SEAM	ELEVATION	TTL. TH.	NET TH.
00	12.0			Overburden				
12.0	33.5			Sandy Siltstone				
33.5	49.9			Siltstone				
49.9	53.6			Coal	R4	1671.7	3.7	
53.6	81.9			Siltstone				
81.9	83.4			Coal	R3	1639.7	1.5	
83.4	109.7			Siltstone coarsening downward to Sandstone				
109.7	111.5			Coal	R2	1611.9	1.8	
111.5	113.6			Silty Mudstone				
113.6	114.4			Coal	R1	1608.0	0.9	
114.4	130.2			Basal Sandstone (Morrissey Fm)				
130.2	165.0			Passage Beds - Fernie Shales				
				End of Hole				

Hole No. RH # 1951 Page 1 of 1

2507 — NDN

Rotary Drill Geological Log

Fording COAL LIMITED

FORDING RIVER OPERATIONS

Objective:

Logged By: K.K. Date: May 12, 1983

LATITUDE	DEPARTURE	ELEVATION
148,045.6 N	26,743.1 E	1683.0 m

Ore Classes & Av

0.0

Block: | Sect: | Place: Kilmarnock Creek | App. Bear: | App.: Dip.: Vertical | Length: 116 m

INTERSECTIONS TAKEN FROM GAMMA RAY — NEUTRON LOG ☒ YES ☐ NO

From m.	To m.	From Ft.	To Ft.		TOP OF SEAM	ELEVATION	TTL. TH.	NET TH.
00	9.0			Overburden				
9.0	14.0			Siltstone				
14.0	16.5			Mudstone				
16.5	70.5			Interbedded Sandstone and Siltstone				
70.5	79.2			Siltstone with Mudstone interbeds				
79.2	106.2			Coal				
106.2	116.0			Interbedded Siltstone and Mudstone	R4	1603.8	27.0	
				End of Hole				

Hole No. RH # 1952 Page 1 of 1

2507 — NDN

Rotary Drill Geological Log

Fording COAL LIMITED — FORDING RIVER OPERATIONS

Objective:

LATITUDE	DEPARTURE	ELEVATION
148,096.5 N	26,309.6 E	1714.8 m

Logged By: K.K. Date: May 15, 1983

Block: | Sect: | Place: Kilmarnock Creek | App. Bear: | App.: Dip.: Vertical | Length: 104 m

Ore Classes & Aver. 0.0

INTERSECTIONS TAKEN FROM GAMMA RAY — NEUTRON LOG ☒ YES ☐ NO

From m.	To m.	From Ft.	To Ft.		TOP OF SEAM	ELEVATION	TTL. TH.	NET TH.
00	10.0			Overburden				
10.0	23.3			Interbedded sandstone and siltstone				
23.3	28.7			Coal	R9	1691.5	5.4	
28.7	35.7			Sandstone				
35.7	45.0			Siltstone				
45.0	48.0			Mudstone				
48.0	68.5			Siltstone with sandstone interbeds				
68.5	77.5			Siltstone				
77.5	79.7			Mudstone				
79.7	87.6			Coal	R7	1635.1	7.9	
87.6	90.2			Silty Mudstone				
90.2	91.1			Coal	R7L	1624.6	0.9	
91.1	100.3			Silty Sandstone				
100.3	104.0			Siltstone				
				End of Hole				

Hole No. RH # 1953 Page 1 of 1

2507 — NDN

Rotary Drill Geological Log

Fording COAL LIMITED

FORDING RIVER OPERATIONS

Objective:

LATITUDE	DEPARTURE	ELEVATION
148,102.0 N	26,480.5 E	1705.0 m

Logged By: K.K. Date: March 25, 1983

Block: | Sect: | Place: Kilmarnock Creek | App. Bear: | App. Dip.: Vertical | Length: 150 m

Ore Classes & Aver.

0.0

INTERSECTIONS TAKEN FROM GAMMA RAY — NEUTRON LOG [XXX] YES [ ] NO

From m.	To m.	From Ft.	To Ft.		TOP OF SEAM	ELEVATION	TTL. TH.	NET TH.
00	6.0			Overburden				
6.0	14.0			Sandy Siltstone				
14.0	20.2			Mudstone				
20.2	21.5			Coal	R5U	1684.8	1.3	
21.5	43.0			Interbedded sandstone and siltstone				
43.0	43.7			Coal		1662.9	0.7	
43.7	45.4			Mudstone				
45.4	48.1			Coal	R5L	1659.6	2.7	
48.1	50.2			Mudstone				
50.2	62.5			Siltstone				
62.5	114.8			Interbedded Sandstone and Siltstone				
114.8	129.8			Coal	R4	1590.2	15.0	
129.8	145.1			Siltstone coarsening downward				
145.1	146.2			Coal	R3	1559.9	1.1	
146.2	150.0			Siltstone grading downward to sandstone				
				- End of Hole				

Hole No. RH # 1954 Page 1 of 1

2507 — NDN

Rotary Drill Geological Log

Fording COAL LIMITED

FORDING RIVER OPERATIONS

Objective:

Logged By: K.K. Date: March 24,1983

LATITUDE	DEPARTURE	ELEVATION
148,104.7 N	26,697.7 E	1700 m

Ore Classes & Aver.

0.0

Block: | Sect: | Place: Kilmarnock Creek | App. Bear: | App.: Dip.: Vertical | Length: 197 m

INTERSECTIONS TAKEN FROM GAMMA RAY — NEUTRON LOG ☒ YES ☐ NO

From m.	To m.	From Ft.	To Ft.		TOP OF SEAM	ELEVATION	TTL. TH.	NET TH.
00	10.0			Overburden				
10.0	16.0			Sandstone with Siltstone interbeds				
16.0	19.8			Coal with 0.7 m parting @ 16.6 m	5 L	1684	3.8	3.1
19.8	23.5			Mudstone				
23.5	30.0			Siltstone				
30.0	31.5			Mudstone				
31.5	44.5			Siltstone				
44.5	49.0			Sandstone with Siltstone parting @ 46.5 m				
49.0	80.5			Siltstone				
80.5	84.1			Silty Mudstone				
84.1	100.7			Coal	4	1615.9	16.6	
100.7	115.0			Mudstone with Siltstone interbeds				
115.0	118.0			Siltstone				
118.0	119.0			Coal		1582.0	1.0	
119.0	155.0			Interbedded Siltstone and Sandstone				
155.0	160.3			Sandstone				
160.3	165.5			Coal	2	1539.7	5.2	
165.5	168.1			Mudstone				
168.1	170.4			Coal	1	1531.9	2.3	
170.4	197.0			Basal Sandstone				

End of Hole

Hole No. RH # 1955 Page 1 of 1

2507 — NDN

Rotary Drill Geological Log

Fording COAL LIMITED — FORDING RIVER OPERATIONS

Objective:

Logged By: K.K. Date: March 15, 1983

LATITUDE	DEPARTURE	ELEVATION
148,048.4 N	27,000 E	1699 m

Ore Classes & Aver. 0.0

Block: | Sect: | Place: Kilmarnock Creek | App. Bear: | App.: Dip.: Vertical | Length: 199.5 m

INTERSECTIONS TAKEN FROM GAMMA RAY — NEUTRON LOG ☒ YES ☐ NO

From m.	To m.	From Ft.	To Ft.		TOP OF SEAM	ELEVATION	TTL. TH.	NET TH.
00	3.0			Overburden				
3.0	14.0			Siltstone with Sandstone interbeds				
14.0	18.4			Silty Mudstone				
18.4	22.2			Coal with 1.0 m parting @ 18.8 m	7	1680.6	3.8	2.8
22.2	25.2			Mudstone				
25.2	30.0			Muddy Siltstone				
30.0	31.0			Coal	7L	1669.0	1.0	
31.0	33.8			Mudstone				
33.8	56.0			Siltstone				
56.0	62.5			Sandstone with Siltstone interbeds				
62.5	67.0			Siltstone				
67.0	69.5			Mudstone				
69.5	74.5			Siltstone				
74.5	78.4			Mudstone				
78.4	81.0			Coal	5U	1620.6 m	2.6	
81.0	103.4			Siltstone				
103.4	107.2			Coal	5L	1595.6	3.8	
107.2	109.0			Mudstone				
109.0	172.0			Siltstone - coarseing downwards				
172.0	174.8			Silty Mudstone				
174.8	197.0			Coal with 0.7, 1.5 and 0.4 m parting @ 179.2, 182.6 and 193.0m respectively.	4	1524.2 m	22.2	19.6
197.0	199.5			Siltstone				
				End of Hole				

Hole No. RH # 1956 Page 1 of 1

2507 — NDN

Rotary Drill Geological Log

Fording COAL LIMITED — FORDING RIVER OPERATIONS

Objective:

Logged By: K.K. Date: March 21, 1983

LATITUDE	DEPARTURE	ELEVATION
148,088.9 N	27,304.8 E	1713.9 m

Ore Classes & Aver. 0.0

Block:	Sect:	Place:	App. Bear:	App.: Dip.:	Length:
		Kilmarnock Creek		Vertical	136 m

INTERSECTIONS TAKEN FROM GAMMA RAY — NEUTRON LOG ☒ YES ☐ NO

From m.	To m.	From Ft.	To Ft.		TOP OF SEAM	ELEVATION	TTL. TH.	NET TH.
00	7.0			Overburden				
7.0	26.5			Basal Sandstone				
26.5	83.0			Fernie Shale				
83.0				Brownie Ridge Thrust Fault		1630.9		
83.0	84.3			Mudstone				
84.3	85.0			Coal	2	1629.0	0.7	
85.0	89.1			Mudstone				
89.1	90.9			Coal	1	1624.8 m	1.8	
90.9	136.0			Basal Sandstone Fining to Passage Beds				
				End of Hole				

Hole No. RH # 1957 Page 1 of 1

2507 — NDN

Rotary Drill Geological Log

Fording COAL LIMITED — FORDING RIVER OPERATIONS

Objective:

Logged By:- K.K. Date: March 23, 1983

LATITUDE	DEPARTURE	ELEVATION
147,991.6 N	26,294.1 E	1695.8 m

Ore Classes & Aver.

0.0

Block:	Sect:	Place:	App. Bear:	App.: Dip.:	Length:
		Kilmarnock Creek		Vertical	87 m

INTERSECTIONS TAKEN FROM GAMMA RAY — NEUTRON LOG ☒ YES ☐ NO

From m.	To m.	From Ft.	To Ft.		TOP OF SEAM	ELEVATION	TTL. TH.	NET TH.
00	11.2			Overburden				
11.2	31.5			Silty Mudstone				
31.5	37.5			Siltstone				
37.5	39.0			Mudstone				
39.0	40.0			Coal	9U	1656.8 m	1.0	
40.0	43.7			Siltstone				
43.7	50.5			Coal with 1.0 and 0.5 m parting @ 47.7 & 49.5 m	9	1652.1 m	6.8	5.3
50.5	52.5			Sandy Siltstone				
52.5	63.5			Silty Mudstone				
63.5	70.2			Sandy Siltstone				
70.2	87.0			Siltstone				
				End of Hole				

Hole No. RH # 1958 Page 1 of 1

2507 — NDN

Rotary Drill Geological Log

Fording COAL LIMITED

FORDING RIVER OPERATIONS

Objective:

Logged By: K.K. Date:

LATITUDE	DEPARTURE	ELEVATION
147,987.4 N	26,724.4 E	1689.1 m

Ore Classes & Aver.

0.0

Block:	Sect:	Place:	App. Bear:	App.: Dip.:	Length:
		Kilmarnock Creek		Vertical	91 m

INTERSECTIONS TAKEN FROM GAMMA RAY — NEUTRON LOG ☒ YES ☐ NO

From m.	To m.	From Ft.	To Ft.		TOP OF SEAM	ELEVATION	TTL. TH.	NET TH.
00	9.2			Overburden				
9.2	15.0			Mudstone				
15.0	29.7			Siltstone coarsing downwards				
29.7	34.7			Silty Sandstone				
34.7	71.0			Siltstone				
71.0	74.2			Mudstone				
74.2	87.3			Coal	4	1614.9 m	13.1	
87.3	91.0			Silty Mudstone				
				End of Hole				

Hole No. RH # 1959 Page 1 of 1

2507 — NDN

Rotary Drill Geological Log

Fording COAL LIMITED — FORDING RIVER OPERATIONS

Objective:

Logged By: K.K. Date: March 21, 1983

LATITUDE	DEPARTURE	ELEVATION
147,989.5 N	27,106.2 E	1702.2 m

Ore Classes & Aver. 0.0

Block:	Sect:	Place:	App. Bear:	App.: Dip.:	Length:
		Kilmarnock Creek		Vertical	130.0 m

INTERSECTIONS TAKEN FROM GAMMA RAY — NEUTRON LOG ☒ YES ☐ NO

From m.	To m.	From Ft.	To Ft.		TOP OF SEAM	ELEVATION	TTL. TH.	NET TH.
00	12.0			Overburden				
12.0	20.0			Muddy Sandstone				
20.0	23.5			Sandstone				
23.5	28.5			Siltstone				
28.5	34.5			Sandstone with Siltstone interbeds				
34.5	39.8			Siltstone				
39.8	44.5			Coal				
44.5	48.7			Mudstone	5L	1662.4 m	4.7	
48.7	105.0			Siltstone				
105.0	109.1			Silty Mudstone				
109.1	115.0			Coal				
115.0	124.0			Siltstone with Sandstone interbeds	4	1593.1	5.9	
124.0	130.0			Mudstone				
				End of Hole				

Hole No. RH # 1960 Page 1 of 1

2507 — NDN

Rotary Drill Geological Log

Fording COAL LIMITED

FORDING RIVER OPERATIONS

Objective:

Logged By: K.K. Date: March 20, 1983

LATITUDE	DEPARTURE	ELEVATION
147,988.3 N	27,297.8 E	1709.5 m

Ore Classes & Aver.

0.0

Block:	Sect:	Place:	App. Bear:	App.: Dip.:	Length:
		Kilmarnock Creek		Vertical	145 m

INTERSECTIONS TAKEN FROM GAMMA RAY — NEUTRON LOG ☒ YES ☐ NO

From m.	To m.	From Ft.	To Ft.		TOP OF SEAM	ELEVATION	TTL. TH.	NET TH.
00	13.0			Overburden				
13.0	66.0			Basal Sandstone				
66.0	113.0			Fernie Shales				
113.0	114.0			Brownie Ridge Thrust Fault		1596.5		
114.0	145.0			Basal Sandstone				
				End of Hole				

Hole No. RH # 1961 Page 1 of 1

2507 — NDN

Rotary Drill Geological Log

Fording COAL LIMITED — FORDING RIVER OPERATIONS

Objective:

LATITUDE	DEPARTURE	ELEVATION
147,891.5 N	26,175.5 E	1680.1 m

Logged By: K.K. Date: March

Block:	Sect:	Place:	App. Bear:	App.: Dip.:	Length:
		Kilmarnock Creek		Vertical	151 m

Ore Classes & Aver. 0.0

INTERSECTIONS TAKEN FROM GAMMA RAY — NEUTRON LOG ☒ YES ☐ NO

From m.	To m.	From Ft.	To Ft.		TOP OF SEAM	ELEVATION	TTL. TH.	NET TH.
00	47.5			Basal Sandstone - Fault				
47.5	49.9			Mudstone				
49.9	55.2			Coal		1630.2	5.3	
55.2	100.0			Siltstone - coarsing downward				
100.0	126.0			Siltstone - fining downward				
126.0	126.9			Mudstone				
126.9	128.6			Coal		1553.2	1.7	
128.6	132.0			Siltstone				
132.0	151.0			Silty Mudstone				
				End of Hole				

Hole No. RH # 1962 Page 1 of 1

2507 — NDN

Rotary Drill Geological Log

Fording COAL LIMITED — FORDING RIVER OPERATIONS

Objective:

LATITUDE	DEPARTURE	ELEVATION
147,910.6 N	26,299.3 E	1682.4 m

Ore Classes & Aver.

0.0

Logged By: K.K. Date: March 24, 1983

Block: | Sect: | Place: Kilmarnock Creek | App. Bear: | App.: Dip.: Vertical | Length: 108 m

INTERSECTIONS TAKEN FROM GAMMA RAY — NEUTRON LOG [xxx] YES [ ] NO

From m.	To m.	From Ft.	To Ft.		TOP OF SEAM	ELEVATION	TTL. TH.	NET TH.
00	12.0			Road Fill plus overburden				
12.0	25.3			Silty Mudstone				
25.3	29.3			Sandstone				
29.3	34.3			Silty Mudstone				
34.5	40.8			Coal	9	1647.9	6.5	
40.8	54.5			Silty Mudstone				
54.5	87.7			Siltstone with Sandstone interbeds				
87.7	89.2			Mudstone				
89.2	91.1			Coal	7U	1593.2	1.9	
91.1	92.5			Carbonaceous Mudstone				
92.5	98.0			Coal	7	1589.9	5.5	
98.0	101.3			Mudstone				
101.3	102.3			Coal	7L	1581.1	1.0	
102.3	104.5			Mudstone				
104.5	107.0			Siltstone				
107.0	108.0			Mudstone				
				End of Hole				

Hole No. RH # 1963 Page 1 of 1

2507 — NDN

Rotary Drill Geological Log

Fording COAL LIMITED — FORDING RIVER OPERATIONS

Objective:

LATITUDE	DEPARTURE	ELEVATION
147,900.1 N	26,688.5 E	1688.2 m

Logged By: K.K. Date: March 24, 1983

Block: | Sect: | Place: Kilmarnock Creek | App. Bear: | App.: Dip.: Vertical | Length: 105 m

Ore Classes & Aver. 0.0

INTERSECTIONS TAKEN FROM GAMMA RAY — NEUTRON LOG ☒ YES ☐ NO

From m.	To m.	From Ft.	To Ft.		TOP OF SEAM	ELEVATION	TTL. TH.	NET TH.
00	7.0			Overburden				
7.0	8.6			Mudstone				
8.6	14.0			Coal with 1.1 m parting @ 9.5 m	5L	1679.6	5.4	4.3
14.0	15.0			Mudstone				
15.0	31.0			Siltstone				
31.0	47.2			Sandstone with Siltstone interbeds				
47.2	51.5			Siltstone				
51.5	66.0			Sandstone with Siltstone interbeds				
66.0	75.0			Siltstone with sandstone interbeds				
75.0	86.6			Siltstone				
86.6	98.8			Coal	4	1601.6	12.2	
98.8	105.0			Silty Mudstone				
				End of Hole				

Hole No. RH # 1964 Page 1 of 1

2507 — NDN

Rotary Drill Geological Log

Fording COAL LIMITED — FORDING RIVER OPERATIONS

Objective:

Logged By: K.K. Date: March 29, 1983

LATITUDE	DEPARTURE	ELEVATION
147,891.5 N	26,925.7 E	1696.6 m

Ore Classes & Aver. 0.0

Block:	Sect:	Place:	App. Bear:	App.: Dip.:	Length:
		Kilmarnock Creek		Vertical	160 m

INTERSECTIONS TAKEN FROM GAMMA RAY — NEUTRON LOG [xxx] YES [ ] NO

From m.	To m.	From Ft.	To Ft.		TOP OF SEAM	ELEVATION	TTL. TH.	NET TH.
00	10.0			Overburden				
10.0	12.5			Sandy Siltstone				
12.5	18.5			Muddy Siltstone				
18.5	20.1			Coal	5U	1678.1	1.6	
20.1	27.5			Mudstone				
27.5	36.0			Siltstone				
36.0	44.5			Silty Mudstone				
44.5	73.5			Siltstone				
73.5	91.5			Sandstone with Sandstone interbeds				
91.5	134.3			Siltstone with Sandstone interbeds				
134.5	136.3			Coal	5L	1562.1	2.0	
136.3	160.0			Siltstone with Sandstone interbeds				
				End of Hole				

Hole No. RH # 1965 Page 1 of 1

2501 — NDH

Rotary Drill Geological Log

Fording COAL LIMITED

FORDING RIVER OPERATIONS

Objective:

Logged By: K.K. Date: March 19, 1983

LATITUDE	DEPARTURE	ELEVATION
147,907.1 N	27,299.1 E	1708.2 m

Ore Classes & Aver.

0.0

Block:	Sect:	Place:	App. Bear:	App.: Dip.:	Length:
		Kilmarnock Creek		Vertical	169 m

INTERSECTIONS TAKEN FROM GAMMA RAY — NEUTRON LOG ☒ YES ☐ NO

From m.	To m.	From Ft.	To Ft.		TOP OF SEAM	ELEVATION	TTL. TH.	NET TH.
00	8.0			Overburden				
8.0	84.5			Basal Sandstone				
84.5	146.0			Fernie Shale - Brownie Ridge Thrust @ 146.0	FLT.	1562.2		
146.0	169.0			Basal Sandstone				
				End of Hole				

Hole No. RH # 1966 Page 1 of 1

2507 — HDN

Rotary Drill Geological Log

Fording COAL LIMITED

FORDING RIVER OPERATIONS

Objective:

Logged By: K.K. Date: March 21, 1983

LATITUDE	DEPARTURE	ELEVATION
147,787.0 N	26,258.2 E	1675.0 m

Ore Classes & Aver. 0.0

Block:	Sect:	Place:	App. Bear:	App.: Dip.:	Length:
		Kilmarnock Creek		Vertical	131 m

INTERSECTIONS TAKEN FROM GAMMA RAY — NEUTRON LOG ☒ YES ☐ NO

From m.	To m.	From Ft.	To Ft.		TOP OF SEAM	ELEVATION	TTL. TH.	NET TH.
00	9.0			Overburden				
9.0	40.0			Siltstone				
40.0	50.8			Silty Mudstone				
50.8	52.6			Mudstone				
52.6	53.3			Coal			0.7	
53.3	55.7			Mudstone				
55.7	84.5			Siltstone with Mudstone interbeds				
84.5	112.2			Siltstone with Sandstone interbeds				
112.2	113.7			Coal	7U		1.5	
113.7	115.7			Siltstone				
115.7	123.4			Coal with 0.5 m parting @ 118.2 m	7		7.7	7.2
123.4	127.1			Siltstone				
127.1	128.3			Coal	7L		1.2	
128.3	130.1			Mudstone				
130.1	132.7			Coal				
				End of Hole				

Hole No. RH # 1967 Page 1 of 1

2507 — NDN

Rotary Drill Geological Log

Fording COAL LIMITED — FORDING RIVER OPERATIONS

Objective:

Logged By: K.K. Date: March 21, 1983

LATITUDE	DEPARTURE	ELEVATION
147,804.2	26,478.2	1685.3

Ore Classes & Aver. 0.0

Block: | Sect: | Place: Kilmarnock Creek | App. Bear: | App.: Dip.: Vertical | Length: 67 m

INTERSECTIONS TAKEN FROM GAMMA RAY — NEUTRON LOG [XXX] YES [ ] NO

From m.	To m.	From Ft.	To Ft.		TOP OF SEAM	ELEVATION	TTL. TH.	NET TH.
00	10.8			Overburden				
10.8	16.5			Siltstone with Sandstone interbeds				
16.5	19.0			Sandstone				
19.0	42.0			Siltstone with Sandstone interbeds				
42.0	42.9			Mudstone				
42.9	50.7			Coal with 0.5 m parting @ 44.6 m	7	1642.4	7.8	7.3
50.7	51.0			Mudstone				
51.0	53.0			Siltstone				
53.0	53.8			Mudstone				
53.8	54.8			Coal	7L	1631.5	1.0	
54.8	55.5			Mudstone				
55.5	67.0			Siltstone with Sandstone interbeds				
				End of Hole				

Hole No. RH # 1968 Page 1 of 1

2507 — NDN

Rotary Drill Geological Log

Fording COAL LIMITED — FORDING RIVER OPERATIONS

Objective:

Logged By: K.K. Date: March 18, 1983

LATITUDE	DEPARTURE	ELEVATION
147.799.8	26922.7	1709.2

Block: | Sect: | Place: Kilmarnock Creek | App. Bear: | App.: Dip.: Vertical | Length: 118 m

Ore Classes & Ave

0.0

INTERSECTIONS TAKEN FROM GAMMA RAY — NEUTRON LOG [XXXX] YES [ ] NO

From m.	To m.	From Ft.	To Ft.		TOP OF SEAM	ELEVATION	TTL. TH.	NET TH.
00	3.6			Overburden				
3.6	71.0			Siltstone				
71.0	83.8			Mudstone				
83.8	91.1			Coal				
91.1	118.0			Siltstone with Sandstone interbeds	9?	1625.4	7.8	
				End of Hole				

Hole No. RH # 1969 Page 1 of 1

2507 — NDN

Rotary Drill Geological Log

Fording COAL LIMITED — FORDING RIVER OPERATIONS

Objective:

Logged By: K.K. Date: March 18, 1983

LATITUDE	DEPARTURE	ELEVATION
147,804.7 N	27,082.9 E	1702.4 m

Ore Classes & Ave. 0.0

Block: | Sect: | Place: Kilmarnock Creek | App. Bear: | App.: Dip.: Vertical | Length: 69 m

INTERSECTIONS TAKEN FROM GAMMA RAY — NEUTRON LOG ☒ YES ☐ NO

From m.	To m.	From Ft.	To Ft.		TOP OF SEAM	ELEVATION	TTL. TH.	NET TH.
00	5.0			Overburden				
5.0	7.5			Sandstone				
7.5	27.1			Siltstone				
27.1	29.5			Coal	7U	1675.3	2.4	
29.5	40.3			Silty Sandstone				
40.3	46.4			Coal	7	1662.1	6.1	
46.4	49.0			Mudstone				
49.0	54.8			Siltstone with 1 m mudstone @ 51.2 m				
54.8	55.3			Coal	7L	1647.6	0.5	
55.3	59.3			Mudstone				
59.3	69.0			Siltstone				
				End of Hole				

Hole No. RH # 1970 Page 1 of 1

Rotary Drill Geological Log

Fording COAL LIMITED — FORDING RIVER OPERATIONS

Objective:

Logged By: K.K. Date: March 19, 1983

LATITUDE	DEPARTURE	ELEVATION
147,718.4 N	26,268.1 E	1675.1 m

Ore Classes & Aver

0.0

Block:	Sect:	Place:	App. Bear:	App.: Dip.:	Length:
		Kilmarnock Creek		Vertical	134 m

INTERSECTIONS TAKEN FROM GAMMA RAY — NEUTRON LOG ~~XXXX~~ YES ☐ NO

From m.	To m.	From Ft.	To Ft.		TOP OF SEAM	ELEVATION	TTL. TH.	NET TH.
00	6.0			Overburden				
6.0	11.7			Mudstone (1 m coal ? @ 6.5 m)				
11.7	20.5			Coal		1663.4	8.8	
20.5	23.0			Mudstone				
23.0	24.2			Coal		1652.1	1.2	
24.2	26.2			Silty Mudstone				
26.2	30.9			Coal with 0.3 parting @ 28.1		1648.9	4.6	4.3
30.9	44.7			Silty Mudstone				
44.7	54.8			Coal with 0.6 m parting @ 51.3 m		1630.4	10.1	9.5
54.8	60.0			Siltstone				
60.0	67.6			Coal with 1.0 m parting @ 67.2 m	9	1615.1	7.6	6.6
67.6	75.0			Silty Mudstone				
75.0	78.0			Carbonaceous shale				
78.0	99.5			Siltstone with Sandstone bands				
99.5	112.5			Sandstone with Siltstone interbeds				
112.5	115.4			Mudstone				
115.4	126.0			Coal	7	1559.7	10.6	
126.0	131.7			Mudstone				
131.7	133.3			Coal	7L	1543.4	1.6	
133.3	134.0			Mudstone				
				End of Hole				

Hole No. RH # 1971 Page 1 of 1

2507 — NDN

Rotary Drill Geological Log

Fording COAL LIMITED

FORDING RIVER OPERATIONS

Objective:

LATITUDE	DEPARTURE	ELEVATION
147,695.5 N	26,394.4 E	1688.0 m

Logged By: K.K. Date: March 22, 1983

Block: | Sect: | Place: Kilmarnock Creek | App. Bear: | App.: Dip.: Vertical | Length: 100.0 m

Ore Classes & Aver. 0.0

INTERSECTIONS TAKEN FROM GAMMA RAY — NEUTRON LOG ☒ YES ☐ NO

From m.	To m.	From Ft.	To Ft.		TOP OF SEAM	ELEVATION	TTL. TH.	NET TH.
00	10.0			Overburden				
10.0	12.7			Sandstone				
12.7	20.0			Silty Mudstone				
20.0	34.6			Siltstone				
34.6	36.2			Mudstone				
36.2	41.3			Coal with 0.8 m parting @ 41.9 m	9	1651.8	7.1	6.3
41.3	48.7			Siltstone				
48.7	52.2			Mudstone				
52.2	54.0			Siltstone				
54.0	55.5			Mudstone				
55.5	56.2			Coal	8	1632.5	0.7	
56.2	57.5			Mudstone				
57.5	85.0			Interbedded Siltstone and Sandstone				
85.0	86.1			Mudstone				
86.1	94.9			Coal	7	1601.9	8.7	
94.9	97.0			Mudstone				
97.0	98.3			Coal	7L	1591.0	1.3	
98.3	100.0			Mudstone				
				End of Hole				

Hole No. RH # 1972 Page 1 of 1

2507 — NDN

Rotary Drill Geological Log

Fording COAL LIMITED

FORDING RIVER OPERATIONS

Objective:

Logged By: K.K. Date: March 22, 1983

LATITUDE	DEPARTURE	ELEVATION
147,711.6	26,516.3E	1703.1m

Ore Classes & Aver.

0.0

Block:	Sect:	Place:	App. Bear:	App.: Dip.:	Length:
		Kilmarnock Creek		Vertical	87 m

INTERSECTIONS TAKEN FROM GAMMA RAY — NEUTRON LOG ☐ YES ☐ NO

From m.	To m.	From Ft.	To Ft.		TOP OF SEAM	ELEVATION m	TTL. TH.	NET TH.
00	7.4			Overburden				
7.4	10.5			Coal	9	1695.7	3.1	
10.5	22.0			Silty Mudstone				
22.0	31.0			Muddy Siltstone				
31.0	62.5			Interbedded Sandstone and Siltstone fining downward				
62.5	64.9			Mudstone				
64.9	73.5			Coal with 0.7 m parting @ 67.6 m	7	1638.2	8.6	7.9
73.5	75.8			Mudstone				
75.8	77.1			Coal	7L	1627.3	1.3	
77.1	87.0			Mudstone with 0.5 m Siltstone @ 81 m and 86 m				
				End of Hole				

Hole No. RH # 1973 Page 1 of 1

2507 — NDH

Rotary Drill Geological Log

Fording COAL LIMITED — FORDING RIVER OPERATIONS

Objective:

Logged By: K.K. Date:

LATITUDE	DEPARTURE	ELEVATION
147,720.1 N	26,700.9 E	1721.4 m

Block:	Sect:	Place:	App. Bear:	App.: Dip.:	Length:
		Kilmarnock Creek		Vertical	112 m

Ore Classes & Aver. 0.0

INTERSECTIONS TAKEN FROM GAMMA RAY — NEUTRON LOG ☒ YES ☐ NO

From m.	To m.	From Ft.	To Ft.		TOP OF SEAM	ELEVATION	TTL. TH.	NET TH.
00	8.5			Sandstone				
8.5	10.5			Mudstone	7U	1710.9	3.2	2.9
10.5	13.7			Coal with 0.3 m parting @ 12.7 m				
13.7	15.5			Carbonaceous Mudstone	7	1705.9	3.3	
15.5	18.8			Coal				
18.8	22.2			Mudstone	7L	1699.2	1.3	
22.2	23.5			Coal				
23.5	28.2			Mudstone				
28.2	32.3			Sandstone				
32.3	48.0			Siltstone				
48.0	49.0			Mudstone	5U	1672.4	2.8	
49.0	51.8			Coal				
51.8	75.2			Siltstone				
75.2	76.0			Mudstone	5L	1645.4	3.0	
76.0	79.0			Coal				
79.0	102.3			Siltstone coarsening downward				
102.3	112.0			Sandstone				
				End of Hole				

Hole No. RH #1974 Page 1 of 1

2507 — NDN

Rotary Drill Geological Log

Fording COAL LIMITED — FORDING RIVER OPERATIONS

Objective:

Logged By: K.K. Date: March 18, 1983

LATITUDE	DEPARTURE	ELEVATION
147,675 N	26983.7 E	1767.2 m

Block: | Sect: | Place: Kilmarnock Creek | App. Bear: | App.: Dip.: Vertical | Length: 181 m

Ore Classes & Aver. 0.0

INTERSECTIONS TAKEN FROM GAMMA RAY — NEUTRON LOG [XXXX] YES [ ] NO

From m.	To m.	From Ft.	To Ft.		TOP OF SEAM	ELEVATION	TTL. TH.	NET TH.
00	13.0			Siltstone				
13.0	14.5			Mudstone				
14.5	20.3			Siltstone				
20.3	31.5			Mudstone				
31.5	36.9			Siltstone				
36.9	39.0			Coal	7U	1730.3	2.1	
39.0	43.5			Siltstone fining to Mudstone				
43.5	52.8			Coal	7	1723.7	9.3	
52.8	63.0			Mudstone				
63.0	64.3			Coal	7L	1704.2	1.3	
64.3	70.0			Siltstone				
70.0	89.0			Interbedded Sandstone and Siltstone				
89.0	105.0			Siltstone				
105.0	121.5			Siltstone with Sandstone interbeds				
121.5	136.5			Silty Mudstone				
136.5	181.0			Siltstone				
				End of Hole				

Hole No. RH # 1975 Page 1 of 1

2507 — HDN

Rotary Drill Geological Log

Fording COAL LIMITED

FORDING RIVER OPERATIONS

Objective:

LATITUDE	DEPARTURE	ELEVATION
147,661.9 N	27,304.8 E	1763.2 m

Logged By: K.K. Date: March 16, 1983

Block: | Sect: | Place: Kilmarnock Creek | App. Bear: | App.: Dip.: Vertical | Length: 209 m

Ore Classes & Aver. 0.0

INTERSECTIONS TAKEN FROM GAMMA RAY — NEUTRON LOG ☒ YES ☐ NO

From m.	To m.	From Ft.	To Ft.		TOP OF SEAM	ELEVATION	TTL. TH.	NET TH.
00	14.5			Siltstone				
14.5	20.0			Coal	5L	1748.7	5.5	
20.0	35.5			Siltstone				
35.5	39.0			Sandstone				
39.0	56.0			Siltstone				
56.0	65.5			Sandstone				
65.5	93.0			Siltstone				
93.0	95.8			Mudstone				
95.8	109.1			Coal with 0.7 m parting @ 102.2	4	1667.4	13.3	12.4
109.1	131.1			Siltstone				
131.1	132.2			Coal	3	1632.1	1.1	
132.2	134.5			Mudstone				
134.5	138.9			Siltstone				
138.9	140.9			Coal	2	1624.3	2.0	
140.9	143.5			Carbonaceous Mudstone				
143.9	146.7			Siltstone				
146.7	147.7			Coal	1	1616.5	1.0	
147.7	209.0			Basal Sandstone				
				End of Hole				

Hole No. RH # 1976 Page 1 of 1

2507 — NDN

Rotary Drill Geological Log

Fording COAL LIMITED — FORDING RIVER OPERATIONS

Objective:

Logged By: K.K. Date: March 30, 1983

LATITUDE	DEPARTURE	ELEVATION
147,752.8 N	26,213.8 E	1673.5 m

Ore Classes & Aver. 0.0

Block: | Sect: | Place: Kilmarnock Creek | App. Bear: | App.: Dip.: Vertical | Length: 148 m

INTERSECTIONS TAKEN FROM GAMMA RAY — NEUTRON LOG ☒ YES ☐ NO

From m.	To m.	From Ft.	To Ft.		TOP OF SEAM	ELEVATION m	TTL. TH.	NET TH.
00	6.0			Overburden				
6.0	37.0			Sandstone (Basal) Fault at 37 m elev. 1636.5				
37.0	44.0			Silty mudstone				
44.0	66.8			Siltstone				
66.8	69.5			Coal		1606.7	2.7	
69.5	73.5			Siltstone				
73.5	82.1			Silty mudstone				
82.1	83.2			Coal		1591.4	1.1	
83.2	102.5			Sandstone				
102.5	104.0			Coal	7	1571.0	19.1	
104.0	123.1			Mudstone				
124.5	127.5			Coal	7 L	1549.2	3.2	
127.5	130.4			Mudstone				
130.4	131.7			Coal		1543.1	1.3	
131.7	134.0			Mudstone				
134.0	135.0			Coal		1539.5	1.0	
135.0	136.5			Mudstone				
136.5	137.8			Coal		1537.0	1.3	
137.8	148			Silty mudstone				
				END OF HOLE				

Hole No. RH 1977 Page: 1 of 1

2507 – NDN

Rotary Drill Geological Log

Fording COAL LIMITED — FORDING RIVER OPERATIONS

Objective:

Logged By: K.K. Date: May 8, 1983

LATITUDE	DEPARTURE	ELEVATION
147,652.9 N	26,220.9 E	1675.7 m

Ore Classes & Aver. 0.0

Block: | Sect: | Place: Kilmarnock Creek | App. Bear: | App.: Dip.: Vertical | Length: 73. m

INTERSECTIONS TAKEN FROM GAMMA RAY — NEUTRON LOG ☒ YES ☐ NO

From m.	To m.	From Ft.	To Ft.		TOP OF SEAM	ELEVATION	TTL. TH.	NET TH.
00	4.5			Casing (overburden)				
4.5	15.5			Siltstone				
15.5	17.2			Mudstone				
17.2	19.4			Coal	3	1658.5	2.2	
19.4	22.0			Mudstone				
22.0	25.6			Siltstone				
25.6	29.1			Coal	2	1650.1	3.5	
29.1	30.9			Silty Mudstone				
30.9	32.7			Coal	1	1644.8	1.8	
32.7	65.5			Basal Sandstone (Fault at 65.5 m)	FLT	1610.2		
65.5	68.0			Siltstone				
68.0	69.6			Mudstone				
69.6	72.5			Coal with 0.6 m parting at 70.7		1606.1	2.9	2.3
72.3	73.0			Siltstone				
				END OF HOLE				

Hole No. RH 1978 Page 1 of 1

Rotary Drill Geological Log

Fording COAL LIMITED

FORDING RIVER OPERATIONS

Objective:

LATITUDE	DEPARTURE	ELEVATION
247,696.5 N	26,917.6 E	1755.9 m

Logged By: K.K. Date: May 11, 1983

Block:	Sect:	Place:	App. Bear:	App.: Dip.:	Length:
		Kilmarnock Creek		Vertical	104 m

Ore Classes & Ava

0.0

From m.	To m.	From Ft.	To Ft.	INTERSECTIONS TAKEN FROM GAMMA RAY — NEUTRON LOG ☒ YES ☐ NO	TOP OF SEAM	ELEVATION	TTL. TH.	NET TH.
00	1.5			Overburden				
1.5	13.7			Sandstone				
13.7	14.7			Mudstone				
14.7	24.0			Coal with 0.9m parting @ 18.6m	7	1741.2	9.3	8.4
24.0	31.5			Mudstone				
31.5	32.0			Coal		1724.4	0.5	
32.0	33.5			Mudstone				
33.5	61.3			Siltstone				
61.3	64.2			Coal	5 U	1694.6	2.9	
64.2	87.5			Siltstone				
87.5	90.1			Carbonaceous Mudstone				
90.1	94.1			Coal	5 L	1665.8	4.0	
94.1	96.2			Mudstone				
96.2	104.0			Siltstone				
				END OF HOLE				

Hole No. RH 1979 Page 1 of 1

2107 — NDN

Rotary Drill Geological Log

Fording COAL LIMITED — FORDING RIVER OPERATIONS

Objective:

LATITUDE	DEPARTURE	ELEVATION
147,796.8 N	26,852.1 E	1702.5 m

Ore Classes & Aver. 0.0

Logged By: K.K. Date: May 13, 1983

Block:	Sect:	Place:	App. Bear:	App.: Dip.:	Length:
		Kilmarnock Creek		Vertical	96 m

INTERSECTIONS TAKEN FROM GAMMA RAY — NEUTRON LOG [XXX] YES [ ] NO

From m.	To m.	From Ft.	To Ft.		TOP OF SEAM	ELEVATION	TTL. TH.	NET TH.
00	5.0			Casing (overburden)				
5.0	9.0			Sandstone				
9.0	19.8			Siltstone				
19.8	20.9			Mudstone				
20.9	24.4			Coal with 10 m parting @ 21.5 m	5L	1681.6	3.5	2.5
24.4	36.0			Mudstone				
36.0	40.8			Siltstone coarsening downward.				
40.8	68.5			Sandstone				
68.5	96.0			Siltstone				
				~~END OF HOLE~~				

Hole No. RH 1980 Page 1 of 1

2507 – NDN

Rotary Drill Geological Log

Fording COAL LIMITED

FORDING RIVER OPERATIONS

Objective:

Logged By: K. K. Date: May 13, 1983.

LATITUDE	DEPARTURE	ELEVATION
147,919.4 N	26,805.1 E	1692.1 m

Ore Classes & Aver.

0.0

Block:	Sect:	Place:	App. Bear:	App.: Dip.:	Length:
		Kilmarnock Creek		Vertical	100 m

INTERSECTIONS TAKEN FROM GAMMA RAY — NEUTRON LOG [XX] YES [ ] NO

From m.	To m.	From Ft.	To Ft.		TOP OF SEAM	ELEVATION	TTL. TH.	NET TH.
00	16.0			Casing (Overburden)				
16.0	29.0			Siltstone				
29.0	37.5			Sandstone				
37.5	83.0			Siltstone coarsening downward				
83.0	98.5			Sandstone				
98.5	100.0			Siltstone				
				End of Hole				

Hole No. RH 1981 Page 1 of 1

2507 — NDN

Rotary Drill Geological Log

Fording COAL LIMITED — FORDING RIVER OPERATIONS

Objective:

Logged By: K. K. Date: May 11, 1983.

LATITUDE	DEPARTURE	ELEVATION
147,9777.7 N	26,793.3 E	1692.° m

Ore Classes & Ave

0.0

Block:	Sect:	Place:	App. Bear:	App.: Dip.:	Length:
		Kilmarnock Creek			98 m

INTERSECTIONS TAKEN FROM GAMMA RAY — NEUTRON LOG ☐ YES ☐ NO

From m.	To m.	From Ft.	To Ft.		TOP OF SEAM	ELEVATION	TTL. TH.	NET TH.
00	16.0			Casing				
16.0	32.5			Siltstone coarsening downward.				
32.5	38.0			Sandstone				
38.0	58.8			Siltstone coarsening downward.				
58.8	76.0			Silty sandstone.				
76.0	98.0			Siltstone fin ing downward				
				End of Hole				

Hole No. RH 1982 Page 1 of 1

Rotary Drill Geological Log

Fording COAL LIMITED

FORDING RIVER OPERATIONS

Objective:

Logged By: K.K. Date: May 14,1983

LATITUDE	DEPARTURE	ELEVATION
147.921.2 N	26,743.2 E	1689.7 m

Block: | Sect: | Place: Kilmarnock Creek | App. Bear: | App.: Dip.: Vertical | Length: 110 m

Ore Classes & Aver.

0.0

INTERSECTIONS TAKEN FROM GAMMA RAY — NEUTRON LOG ☒ YES ☐ NO

From m.	To m.	From Ft.	To Ft.		TOP OF SEAM	ELEVATION	TTL. TH.	NET TH.
0	10.0			Casing				
10.0	13.5			Siltstone				
13.5	28.5			Interbedded Siltstone and Sandstone				
28.5	33.5			Siltstone				
33.5	38.5			Sandstone				
38.5	72.0			Interbedded Siltstone and Sandstone				
72.0	76.7			Siltstone				
76.7	89.5			Coal	4	1613.0	11.8	
89.5	105.1			Siltstone				
105.1	106.1			Coal		1584.6	10.0	
106.1	110.0			Sandy Siltstone				
				End of Hole				

Hole No. RH # 1983 Page 1 of 1

2507 — NDN

ii) Geophysical and Directional Logs

328

K- FORDING E83(3)A

NEUTRON-NEUTRON & GAMMA RAY
(Through Rods)

BOREHOLE 1859

CLIENT Fording Coal

AREA South Greenhills

COUNTRY Canada

DATE LOGGED 8 March '83

DEPTH SCALE 1:250

1 OF 2 LOGS

BOREHOLE DATA	REFER TO LOG
OPERATION DATA	REFER TO LOG

EQUIPMENT AND RECORDING DATA

LOG	TAPING			PANEL			CAL COEFF
	LOG TAPED	RECORD SPEED	DIRECT or REPLAY	SPEED	T.C. SECS	NORM	
N-N	Y	9	R	9	2	.25	
Gamma	Y	9	R	9	2		1.12
		SONDE NO.		SOURCE NO.			

REMARKS

328

DEPTH

N-N

GAMMA RAY

DEPTH

AREA South Greenhills

COUNTRY Canada

BOREHOLE 1859

CLIENT Fording Coal

MY A84528

K-Forests 83(3)a

GAMMA RAY & NEUTRON-NEUTRON

BOREHOLE 1860
CLIENT Fording Coal Ltd.
AREA South Greenhills
COUNTRY Canada
DATE LOGGED 11 March '83
DEPTH SCALE 1:250
1 cm = 2 Logs

BOREHOLE DATA

PERMANENT DATUM Ground Level
ELEVATION (A.P.D.)
MEASUREMENTS FROM B.P.B.
DRILLER
DEPTH REACHED G.L. 150.3 / G.L. 150.8
BOTTOM HOLE
BIT SIZES 3 | 15 1/4" AND | 4 | 15 7/8 TO 22"
CASING SIZES 1 | 16 5/8 TO 20" | 2 | TO

FLUID DATA

NATURE Natural
S.G.
LEVEL
VISCOSITY
PH
R.M. @ MEAS. TEMP.
B.H.T.

OPERATION DATA

RECORDED BY
WITNESS
ENGINEER D. Fisher
UNIT - TRUCK No. 35/216
INTERNAL LOGGED 150m.
LAST READING 150m.
SURFACE READING

EQUIPMENT AND RECORDING DATA

LOG	EQUIPMENT			TAPING			PANEL		CAL COEFF	DEPTHS		
	SONDE	SOURCE	CALIBRATOR	LOG TAPED	RECORD SPEED	DIRECT or REPLAY	SPEED	TC SECS	NORM	FROM	TO	INTERVAL
Gamma	82		315	Y	9	R	9	2	1.46	150 00		150
N-N	215	678		Y	9	R	9	2	.90	150 00		150

ADDITIONAL SONDES RUN

SONDE	LOG	GENERAL SCALE LOG	DETAIL SCALE LOG
217	Verticality		

REFER TO ADDITIONAL HEADINGS

REMARKS

Neutron scale change at 21m.
Above 0-450 SNU
Below 0-200 SNU

GAMMA RAY | DEPTH | NEUTRON-NEUTRON

0 API 120 | 0 SNU 450

-00-
-25-
-50-
-75-
-100-
-125-
-150-

Scale change
Water level

0 API 120 | 0 SNU 200

GAMMA RAY | DEPTH | NEUTRON-NEUTRON

BOREHOLE 1860
CLIENT Fording Coal Ltd.
AREA South Greenhills
COUNTRY Canada

MY 95160 R

K-Forensic 8359

GAMMA RAY & NEUTRON-NEUTRON

BOREHOLE 1861
CLIENT Fording Coal Ltd.
AREA South Greenhills
COUNTRY Canada
DATE LOGGED 14 March '83
DEPTH SCALE 1:200
1 to 2 LOGS

BOREHOLE DATA

PERMANENT DATUM	G.L.
ELEVATION OF P.D.	G.L.
MEASUREMENTS FROM	R.P.B.
DEPTH REACHED	G.L. 152
CASING SHOE	G.L. 152.8
BIT SIZES	1 5" TO 20' 2 TO 3 TO 4 TO
CASING SIZES	1 6.5/8@20' 2 TO 3 TO 4 TO
DRILLER	

FLUID DATA

NATURE	Natural
S.G.	
LEVEL	
VISCOSITY	
PH or PM/PF TEMP.	
RM @	

OPERATION DATA

FIRST READING	151.5
LAST READING	1.5
INTERVAL LOGGED	151
UNIT-TRUCK No.	35/216
ENGINEER	D.Fisher
WITNESS	

328

EQUIPMENT AND RECORDING DATA

LOG	EQUIPMENT			TAPING			PANEL			CAL COEFF	DEPTHS		
	SONDE	SOURCE	CALIBRATOR	LOG TAPED	RECORD SPEED	DIRECT or REPLAY	SPEED	T/C SECS	NORM		FROM	TO	INTERVAL
Gamma	82		335	Y	9	D	9	2		1.46	151	0	151
N-N	215	6787		Y	9	D	9	2	1.0		151	0	151

ADDITIONAL SONDES RUN

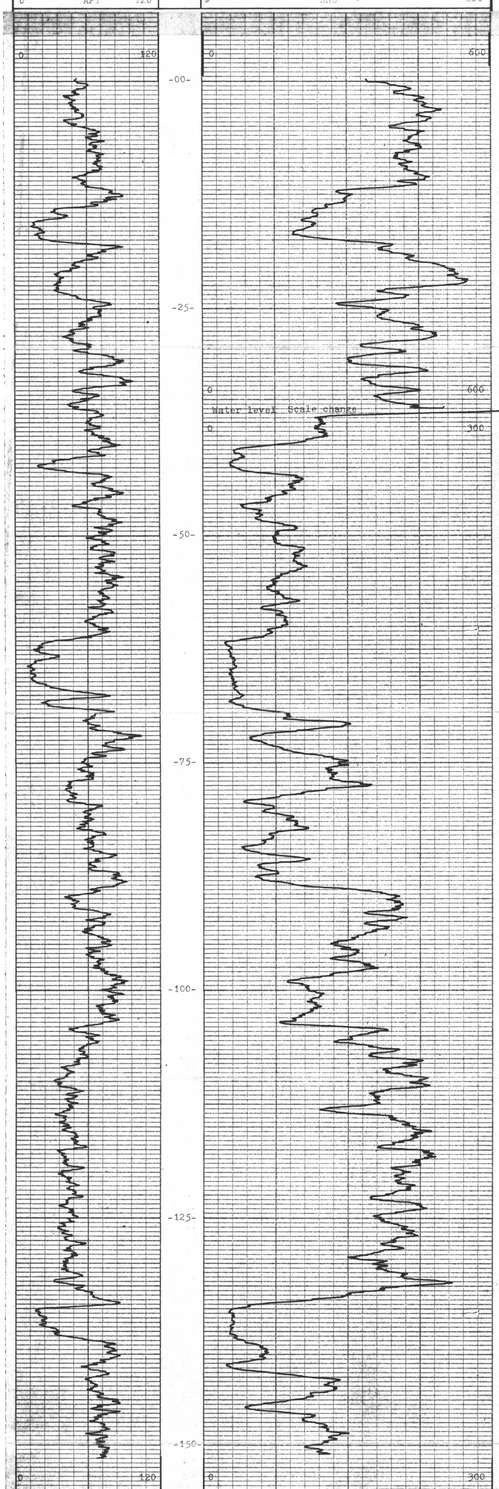
SONDE	LOG	GENERAL SCALE LOG	DETAIL SCALE LOG
217	Verticality		

REFER TO ADDITIONAL HEADINGS

REMARKS

Neutron scale change at 36.5m
Above scale is 0-600 SNU
Below scale is 0-300 SNU

GAMMA RAY	DEPTH	NEUTRON-NEUTRON
0 API 120		0 SNU 600



0 API 120		0 SNU 300
GAMMA RAY	DEPTH	NEUTRON-NEUTRON

BOREHOLE 1861
CLIENT Fording Coal Ltd.
AREA South Greenhills
COUNTRY Canada

MY 93160 R

K- FORDING 83/3?9

GAMMA RAY & NEUTRON-NEUTRON

BOREHOLE 1862

CLIENT FORDING COAL LTD.

AREA SOUTH GREENHILLS

COUNTRY CANADA

DEPTH SCALE 1:240

DATE LOGGED 12 MAR 83

1 OF 1 LOGS

BOREHOLE DATA

PERMANENT DATUM	GROUND LEVEL			
ELEVATION OF P.D.	" "			
	B.P.B.		DRILLER	
MEASUREMENTS FROM	G.L.		G.L.	
DEPTH REACHED				
CASING SHOE	7'			
BIT SIZES 1	6" TO 5D	2	TO	
3	TO	4	TO	
CASING SIZES 1	6 9/16 TO 7'	2	TO	

FLUID DATA

NATURE	NATURAL
S.G.	
LEVEL	64m
VISCOSITY	
Rm at meas. temp.	
B.H.T.	

OPERATION DATA

FIRST READING	128m
LAST READING	0m
INTERVAL LOGGED	128m
UNIT-TRUCK No.	3716
ENGINEER	R.W.
WITNESS	

328

EQUIPMENT AND RECORDING DATA

LOG	EQUIPMENT SONDE	EQUIPMENT SOURCE	CALIBRATOR	TAPING LOG TAPED	TAPING RECORDED SPEED	TAPING DIRECT or REFLEX	PANEL SPEED	PANEL T.C. SECS	PANEL NORM	CAL COEFF	DEPTHS FROM	DEPTHS TO	DEPTHS INTERVAL
GAMMA	2"	-	2'	Y	5"	D	2	2.8	-	1.1	128	0	128

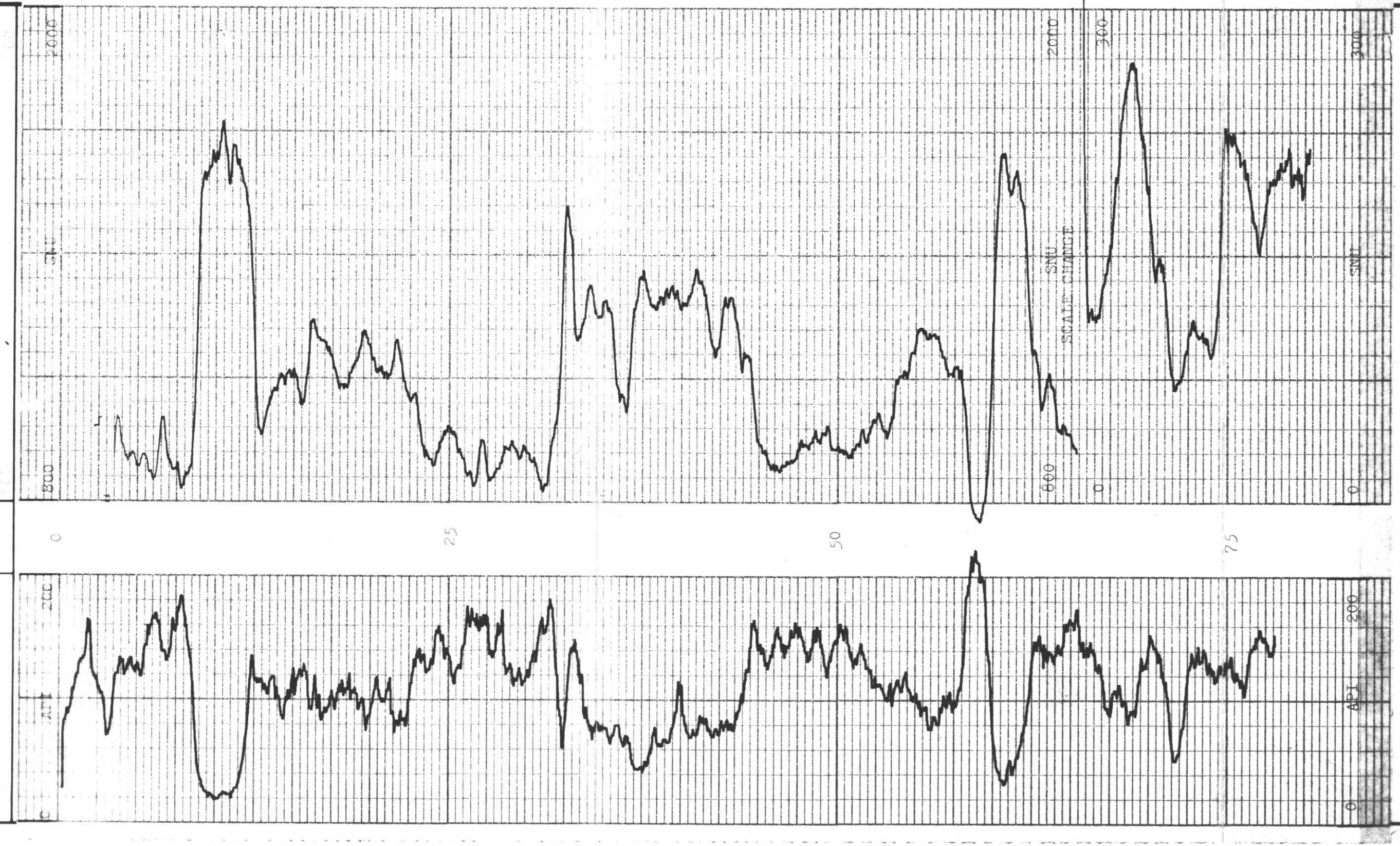
REMARKS

As Logged

ADDITIONAL SONDES RUN

SONDE	LOG	GENERAL SCALE LOG	DETAIL SCALE LOG	REFER TO ADDITIONAL HEADINGS

DEPTH



0 | API 200 | GAMMA RAY | DEPTH | 0 | SNU 300 | NEUTRON-NEUTRON

BOREHOLE 1862

CLIENT FORDING COAL LTD.

AREA SOUTH GREENHILLS

COUNTRY CANADA

MY 93160 R

GAMMA RAY & NEUTRON-NEUTRON

BOREHOLE 1863
CLIENT FORDING COAL LTD.
AREA SOUTH GREENHILLS
COUNTRY CANADA
DATE LOGGED 16 APR 84
DEPTH DATUM K.B.
OTHER SERVICES
OPERATION DATA
RIG
WITNESS
ENGINEER
UNIT-TRUCK No.
INTERVAL LOGGED
FIRST READING
LAST READING
B H T
MUD TYPE
VISCOSITY
LEVEL
S.G.
NATURE
FLUID DATA
CASING SIZES
BIT SIZES
CASING SHOE
DEPTH REACHED
RECORDED FROM
ELEVATION OF G.L.
PERMANENT DATUM
BOREHOLE DATA
DRILLER
LOGGER
TYPE FLUID IN HOLE
MAX. REC. TEMP.
EQUIPMENT LOCATION
RECORDED BY
WITNESSED BY

328

K-factor 83/84

EQUIPMENT AND RECORDING DATA

LOG	EQUIPMENT			TAPING			PANEL			CAL COEFF	DEPTHS		
	SONDE	SOURCE	CALIBRATOR	LOG TAPED	RECORD SPEED	DIRECTION REPLAY	SPEED	T.C. SECS	NORM		FROM	TO	INTERVAL
GAMMA				Y	7m/m		2	2		1.0	146	0	
N-N				Y	7m/m		2	2		1.85	146	0	

ADDITIONAL SONDES RUN

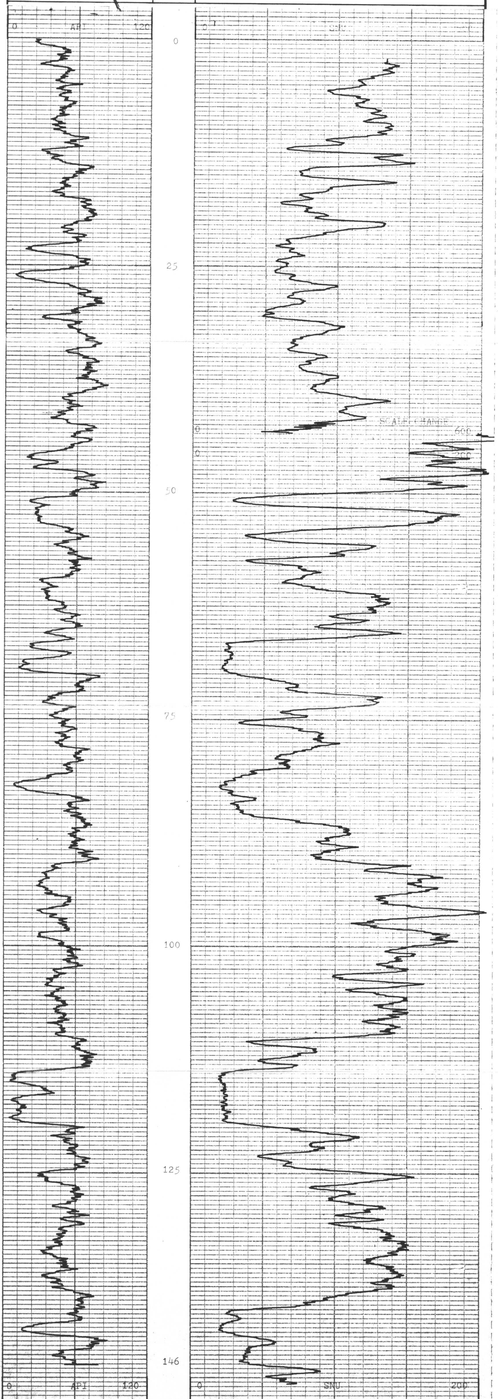
SONDE	LOG	GENERAL SCALE LOG	DETAIL SCALE LOG

REFER TO ADDITIONAL HEADINGS

REMARKS

Neutron scale changed at 40m
Above scale 0-600
Below scale 0-200

DEPTH



0 API 120		0 SNU 600
GAMMA RAY	DEPTH	NEUTRON-NEUTRON

BOREHOLE 1863
CLIENT FORDING COAL LTD.
AREA SOUTH GREENHILLS
COUNTRY CANADA

MT 93160 B

K - Fording 83(3)A

GAMMA RAY & NEUTRON-NEUTRON

BOREHOLE 1864
CLIENT Fording Coal Ltd.
AREA South Greenhills
COUNTRY Canada
DATE LOGGED 12 March83

DEPTH SCALE 1:250

1 OF 1 LOGS

BOREHOLE DATA

PERMANENT DATUM	G.L.		
ELEVATION OF P D			
	B P B		DRILLER
MEASUREMENTS FROM	G.L.		G.L.
DEPTH REACHED			75.5
CASING SHOE			19'
BIT SIZES 1	5" TO TD	2	TO
3	TO	4	TO
CASING SIZES 1	6 5/8 to 19'	2	TO

FLUID DATA

NATURE	Natural
S G	
LEVEL	?
VISCOSITY	
Rm at meas temp	
B H T	

OPERATION DATA

FIRST READING	72m	328
LAST READING	0	
INTERVAL LOGGED	72m	
UNIT-TRUCK No	35/216	
ENGINEER	D.Fisher	
WITNESS		

EQUIPMENT AND RECORDING DATA

LOG	EQUIPMENT			TAPING			PANEL			CAL COEFF	DEPTHS			
	SONDE	SOURCE	CALIBRATOR	LOG TAPED	RECORD SPEED	DIRECTor REPLAY	SPEED	TC SECS	NORM		FROM	TO	INTERVAL	
Gamma	82		315	Y	9	D	9	2		1.46	72	0	72	
N-N	215	6787		Y	9	D	9	2	1.0		71.5	0	71.5	

ADDITIONAL SONDES RUN

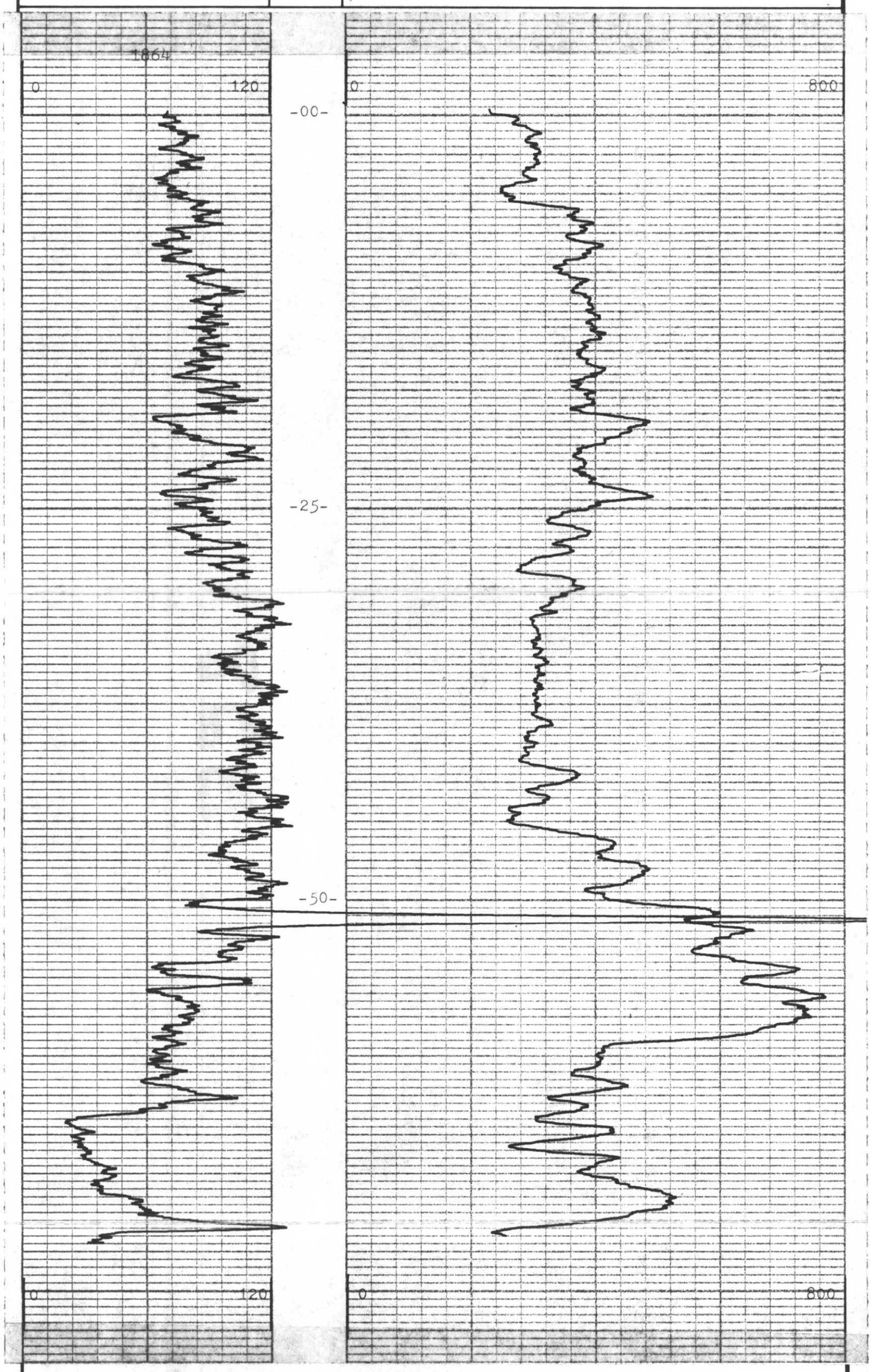
SONDE	LOG	GENERAL SCALE LOG	DETAIL SCALE LOG

REFER TO ADDITIONAL HEADINGS

REMARKS

No Details

GAMMA RAY	DEPTH	NEUTRON-NEUTRON
0 API 120		0 SNU 800



0 API 120		0 SNU 800
GAMMA RAY	DEPTH	NEUTRON-NEUTRON

BOREHOLE 1864
CLIENT Fording Coal Ltd.
AREA South Greenhills
COUNTRY Canada

MY 95160 R

BPB

BOREHOLE 1865
CLIENT Fording Coal Ltd
AREA South Greenhills
COUNTRY Canada
DATE LOGGED 1 Mar 85
DEPTH SCALE 1:240
LOGS

GAMMA RAY & NEUTRON-NEUTRON

A. Fordyce 83/3/8

OPERATION DATA

RIG	328
MATRIX	SAND
S.G.	2.65
VISCOSITY	
Pos. of Meas. Temp.	
B.H.T.	
FIRST READING	1765
LAST READING	1765
INTERVAL LOGGED	1765 - 1765
UNIT / TRUCK No.	3 / 4
RECORDED BY	M. MACDONALD
WITNESS	

FLUID DATA

NATURE	NATURAL
S.G.	
VISCOSITY	
Pos. of Meas. Temp.	
B.H.T.	
TAPING	
CASING SIZES	1 7" TO 1765
	2 TO
	3 TO
BIT SIZES	1 6 1/4" TO 1765
	2 TO
CASING SHOE	1765
DEPTH REACHED	1765
DRILLER'S	B.P.B
LOGGER'S	
PERMANENT DATUM	GROUND LEVEL
ELEVATION OF PD	
ABOVE PERM. DATUM	K.B.
	G.L.
	D.F.

EQUIPMENT AND RECORDING DATA

LOG	EQUIPMENT			TAPING			PANEL			CAL. COEFF.	DEPTHS		
	SONDE	SOURCE	CALIBRATOR	LOG TAPED	RECORD SPEED	DIRECT. REPLAY	SPEED	T.C. SECS	NORM		FROM	TO	INTERVAL
Gamma	780	6787	321	Y	7	Y	7	2	.65	-	1765	0	1765
Neu	780	6787	N	Y	7	Y	7	2	.65	-	1765	0	1765

ADDITIONAL SONDES RUN

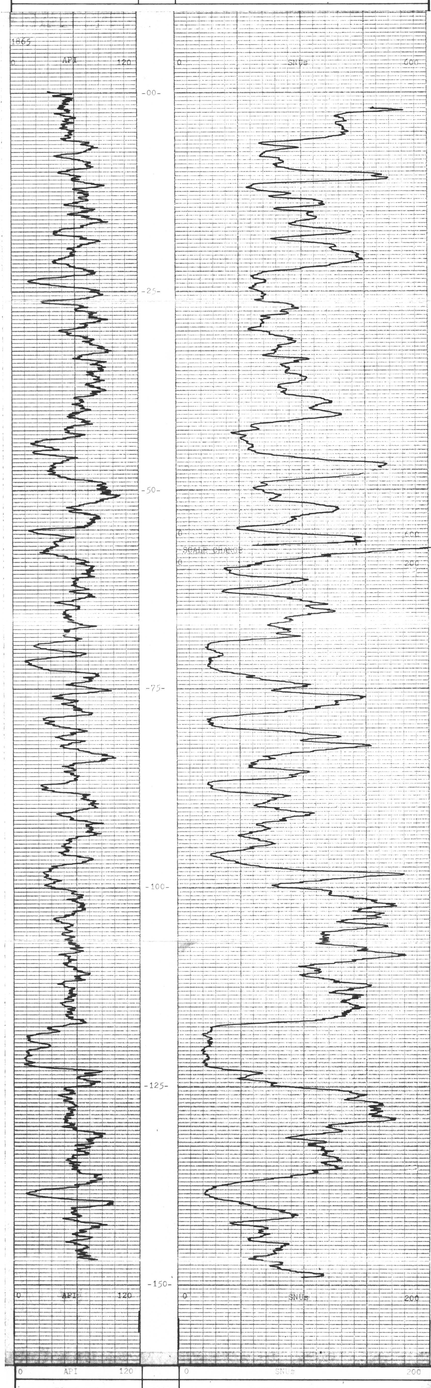
SONDE	LOG	GENERAL SCALE LOG	DETAIL SCALE LOG
780	Gam	Y	Y

REFER TO ADDITIONAL HEADINGS

REMARKS

No Vertically log run due to blocked hole.
Neutron seals charge @ 1578
Above seal: 0-1000 ft/m
Below seals 0-200 ft/m

DEPTH



0 API 120 | 0 SNU 200

GAMMA RAY | DEPTH | NEUTRON-NEUTRON

BPB

BOREHOLE 1865
CLIENT Fording Coal Ltd
AREA South Greenhills
COUNTRY Canada

MY 93160 X

K-FORDING 83\3\A

GAMMA RAY & NEUTRON-NEUTRON

BOREHOLE 1866
CLIENT Fording Coal Ltd.
AREA South Greenhills
COUNTRY Canada
DEPTH SCALE 1:250
DATE LOGGED 14 March83
1 OF 2 LOGS

BOREHOLE DATA

	B.P.B.	DRILLER
PERMANENT DATUM	Ground Level	
ELEVATION OF P.D.		
MEASUREMENTS FROM	G.L.	G.L.
DEPTH REACHED	75.6m	76.6m
CASING SHOE		15'

BIT SIZES	1	5 1/8 TO TD	2	TO
	3	TO	4	TO
CASING SIZES	1	5 9/16 TO 15'	2	TO

FLUID DATA

NATURE	Natural
S.G	
LEVEL	? 15m. ?
VISCOSITY	
Rm at meas. temp.	
B.H.T.	328

OPERATION DATA

FIRST READING	75.5m
LAST READING	0
INTERVAL LOGGED	75.5m
UNIT-TRUCK No.	35/216
ENGINEER	D.Fisher
WITNESS	

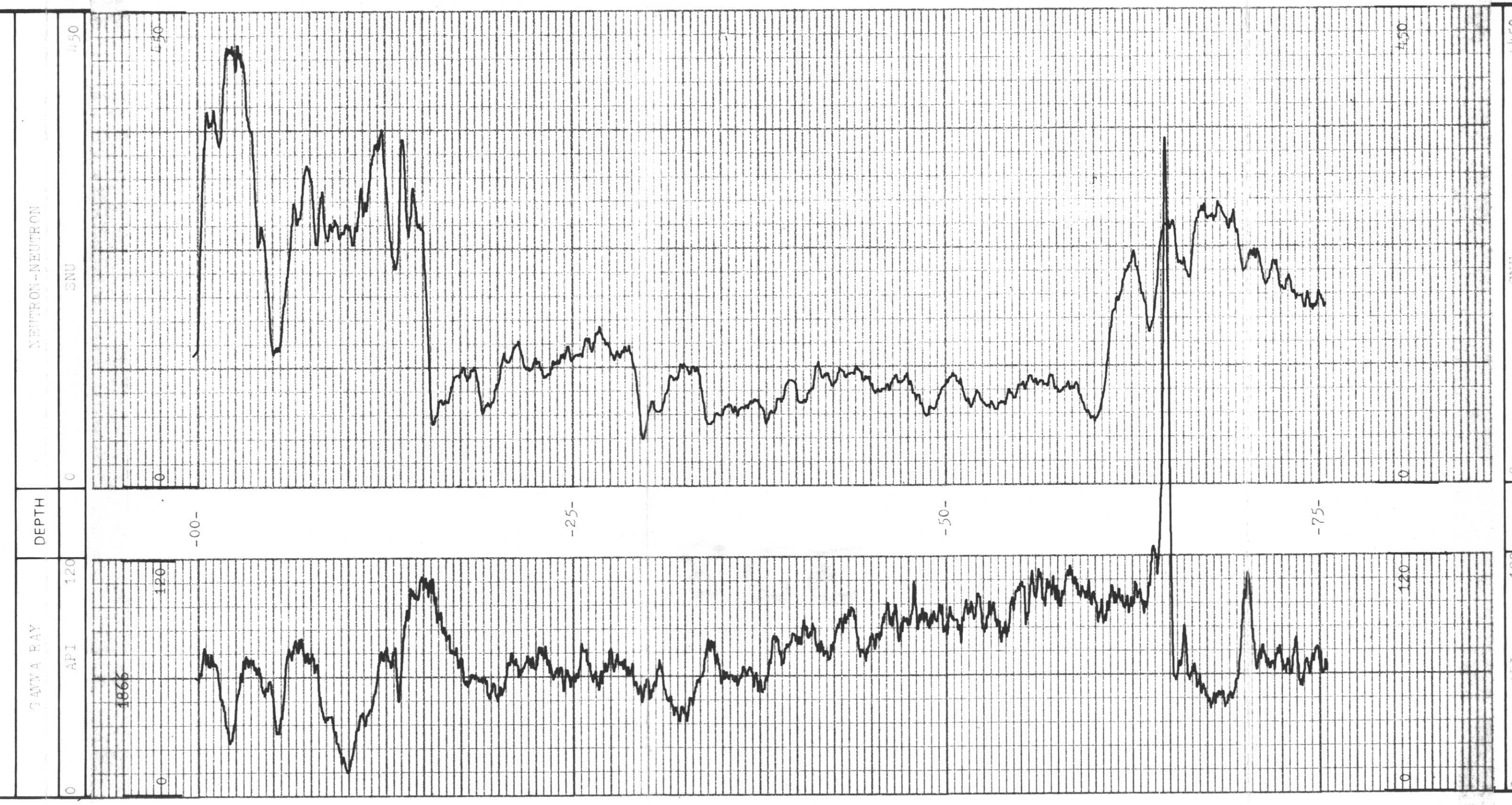
EQUIPMENT AND RECORDING DATA

LOG	EQUIPMENT SONDE	EQUIPMENT SOURCE	CALIBRATOR	TAPING LOG TAPE ID	TAPING RECORD SPEED	DIRECTor REPEAT	PANEL SPEED	PANEL T.C. SEC	PANEL NORM	CAL. COEFF	DEPTHS FROM	DEPTHS TO	DEPTHS INTERVAL
Gamma	82		515	Y	9	D	9	2		5	75	0	75
N-N	215	6787		Y	9	D	9	2	.94		75	0	75

ADDITIONAL SONDES RUN

SONDE	LOG	GENERAL SCALE LOG	DETAIL SCALE LOG	REFER TO ADDITIONAL HEADINGS

REMARKS :



NEUTRON-NEUTRON 150 0 BND
DEPTH
GAMMA RAY 120 0 API

BOREHOLE 1866
CLIENT Fording Coal Ltd.
AREA South Greenhills
COUNTRY Canada

MY 93160 R

K-Fording 83/3A

GAMMA RAY & NEUTRON-NEUTRON

BOREHOLE 1867
CLIENT Fording Coal Ltd.
AREA South Greenhills
COUNTRY Canada
DEPTH SCALE 1:250
DATE LOGGED 11 March 83
1 OF 2 LOGS

BOREHOLE DATA

PERMANENT DATUM	G.L.				
ELEVATION OF P.D.		B.P.B		DRILLER	
MEASUREMENTS FROM		G.L.		G.L.	
DEPTH REACHED		82m.		82m.	
CASING SHOE				10"	
BIT SIZES	1.5	1/8" TO	TD	2	
CASING SIZES	1.5	6"/160	10"	2	
	3	TO		4	
	2	TO		TO	

FLUID DATA

NATURE	Natural
S.G	
LEVEL	
VISCOSITY	?
Rm at meas. temp.	
B.H.T	

OPERATION DATA

FIRST READING	82m.
LAST READING	80
RATE OF LOGGING	80
UNIT + TRUCK No.	3521216
ENGINEER	D.Fisher
WITNESS	

328

EQUIPMENT AND RECORDING DATA

LOG	EQUIPMENT			TAPING			PANEL			CAL COEFF	DEPTHS		
	SONDE	SOURCE	CALIBRATOR	LOG TAPED	RECORD SPEED	DIRECT or REPLAY	SPEED	T.C. SECS	NORM		FROM	TO	INTERVAL
Gamma	82		315	Y	9	R	9	2		1.43	82.00		82
N-N	215	6787		Y	9	R	9	2	.95		82.00		82

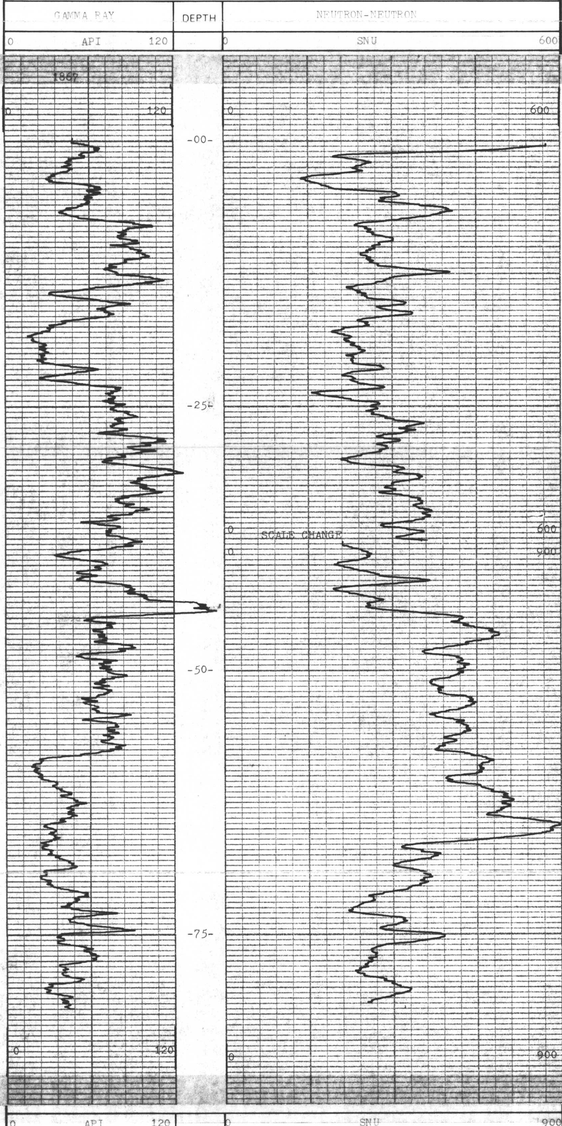
ADDITIONAL SONDES RUN

SONDE	LOG	GENERAL SCALE LOG	DETAIL SCALE LOG
227	Verticality		

REFER TO ADDITIONAL HEADINGS

REMARKS

Neutron scale change at 39.5m.
Above - scale 0-600 SNU
Below - scale 0 900 SNU



0 API 120 | DEPTH | 0 SNU 900
GAMMA RAY | DEPTH | NEUTRON-NEUTRON

BOREHOLE 1867
CLIENT Fording Coal Ltd.
AREA South Greenhills
COUNTRY Canada

MT 95160 R

K-FRACING 83/3A

GAMMA RAY & NEUTRON-NEUTRON

BOREHOLE 1868

CLIENT Fording Coal Ltd.

AREA South Greenhills

COUNTRY Canada

DATE LOGGED 11 March83

DEPTH SCALE 1:250

1 OF 2 LOGS

BOREHOLE DATA

PERMANENT DATUM	G.L.	
ELEVATION OF P.D.		
	B.P.B.	DRILLER
MEASUREMENTS FROM	G.L.	G.L.
DEPTH REACHED	155.5	156
CASING SHOE		10'

BIT SIZES				
1	5 1/8	TO TD	2	TO
3		TO	4	TO
CASING SIZES				
1	5 9/16	10'	2	TO

FLUID DATA

NATURE	Natural
S.G.	
LEVEL	
VISCOSITY	17.5m
Rm at meas. temp.	
B.H.T.	

OPERATION DATA

FIRST READING	155
LAST READING	00
INTERVAL LOGGED	155
UNIT-TRUCK No.	35/216
ENGINEER	D.Fisher
WITNESS	

328

EQUIPMENT AND RECORDING DATA

LOG	EQUIPMENT			TAPING			PANEL			CAL. COEFF.	DEPTHS			
	SONDE	SOURCE	CALIBRATOR	LOG TAPED	RECORD SPEED	DIRECT or REPLAY	SPEED	T.C. SECS	NORM.		FROM	TO	INTERVAL	
Gamma	82		315	Y	9	D	9	2		1.46	155	0	155	
N-N	215	6787		Y	9	D	9	2	.9		155	0	155	

ADDITIONAL SONDES RUN

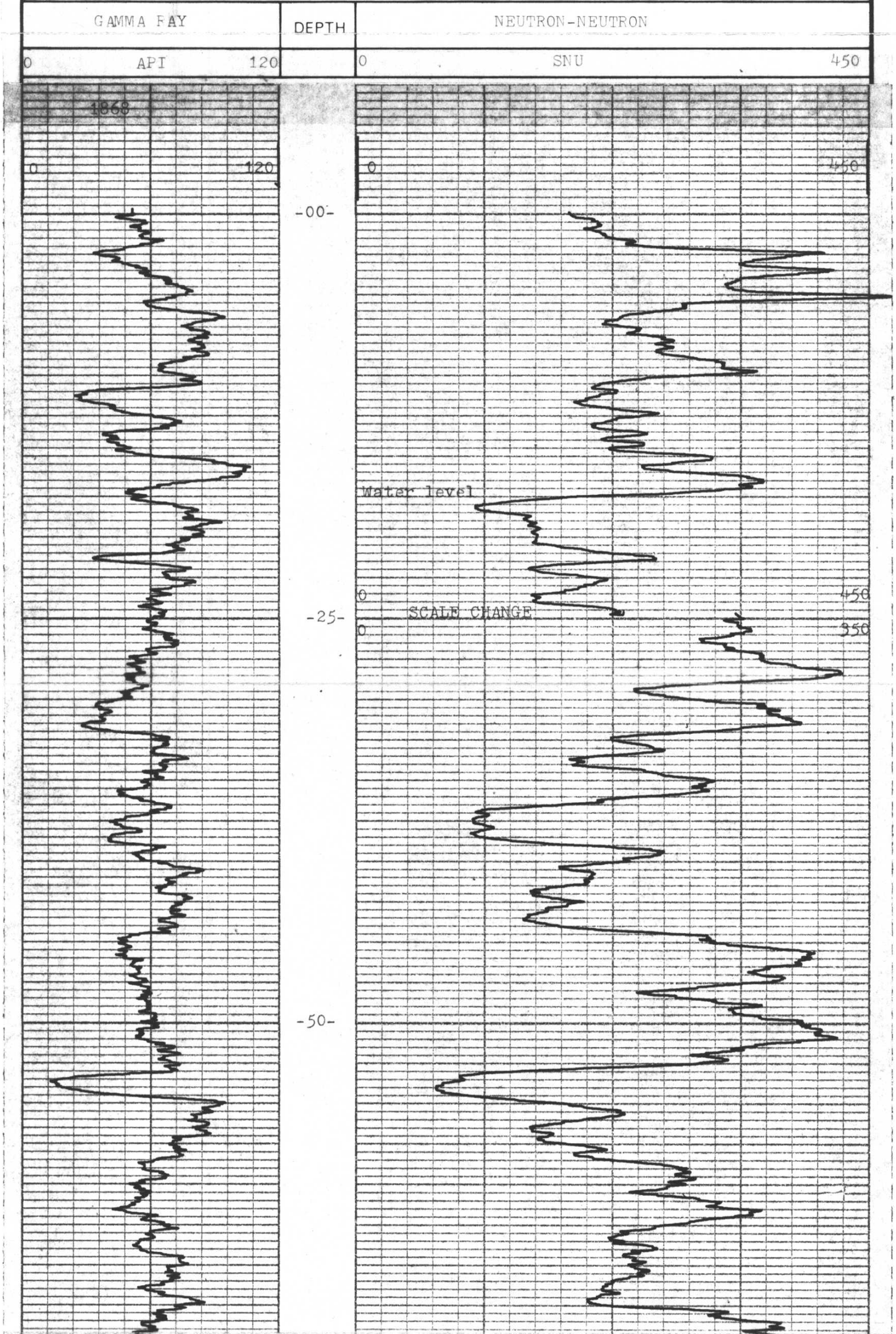
SONDE	LOG	GENERAL SCALE LOG	DETAIL SCALE LOG	
				REFER TO ADDITIONAL HEADINGS

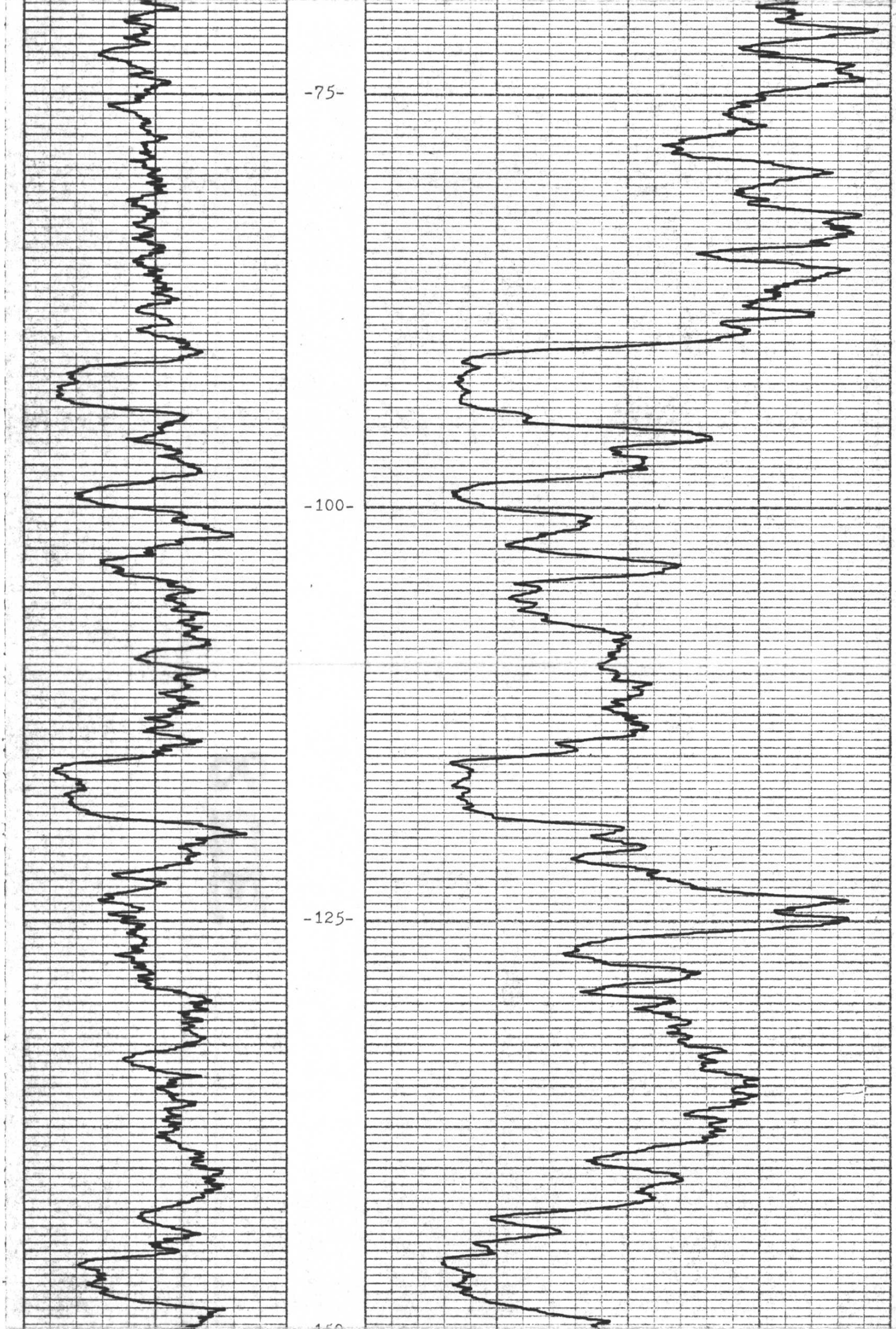
REMARKS

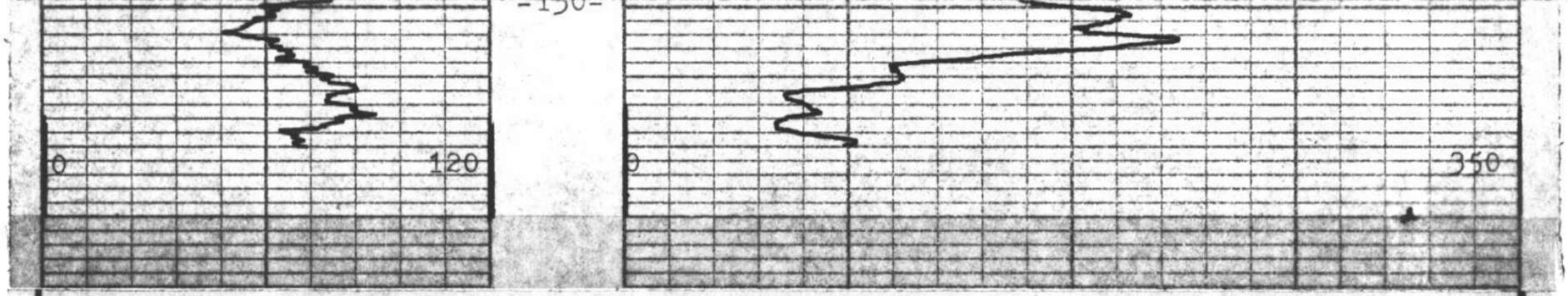
Neutron scale change at 25m.

Above 0-450 SNU

Below 0-350 SNU


GAMMA RAY
DEPTH
NEUTRON-NEUTRON
0
API
120
0
SNU
450
1868
0
120
0
450
-00-
Water level
0
450
-25-
SCALE CHANGE
0
350
-50-


-75-
-100-
-125-



0 API 120		0 SNU 350
GAMMA RAY	DEPTH	NEUTRON-NEUTRON

BPB

BOREHOLE 1868

CLIENT Fording Coal Ltd.

AREA South Greenhills

COUNTRY Canada

MY 95160 R

K. Fordin 83/3A

BPB

GAMMA RAY & NEUTRON-NEUTRON

BOREHOLE 1869
CLIENT Fording Coal Ltd.
AREA South Greenhills
COUNTRY Canada
DATE LOGGED 13 March83
DEPTH SCALE 1:250
1 or 2 LOGS

BOREHOLE DATA

PERMANENT DATUM			
ELEVATION OF P.D.	Ground level		
		B.P.B.	DRILLER
MEASUREMENTS FROM		G.L.	G.L.
DEPTH REACHED		149.3	150
CASING SHOE			15
BIT SIZES	1	11" TO 6m	2 5" TO 15"
	2	TO	TO
CASING SIZES	1	9.5/8" TO 2	TO
	2	TO	TO

FLUID DATA

MUD TYPE	
SALINITY	
LEVEL	Natural
VISCOSITY	
Rm at mean temp	
B H T	

OPERATION DATA

FIRST READING	149m.
LAST READING	0
MATERIAL LOGGED	149m.
DATE OF CALIBRATION	
ENGINEER	D.Fisher
WITNESS	

328

EQUIPMENT AND RECORDING DATA

LOG	EQUIPMENT			TAPING			PANEL			CAL COEFF	DEPTHS		
	SONDE	SOURCE	CALIBRATOR	LOG TAPED	RECORD SPEED	DIRECT or REPLAY	SPEED	TC SECS	NORM		FROM	TO	INTERVAL
Gamma	82		315	Y	9	R	9	2		1.46	195	0	149
N-N	215	6787		Y	9	R	9	2	1.0		149	0	149

ADDITIONAL SONDES RUN

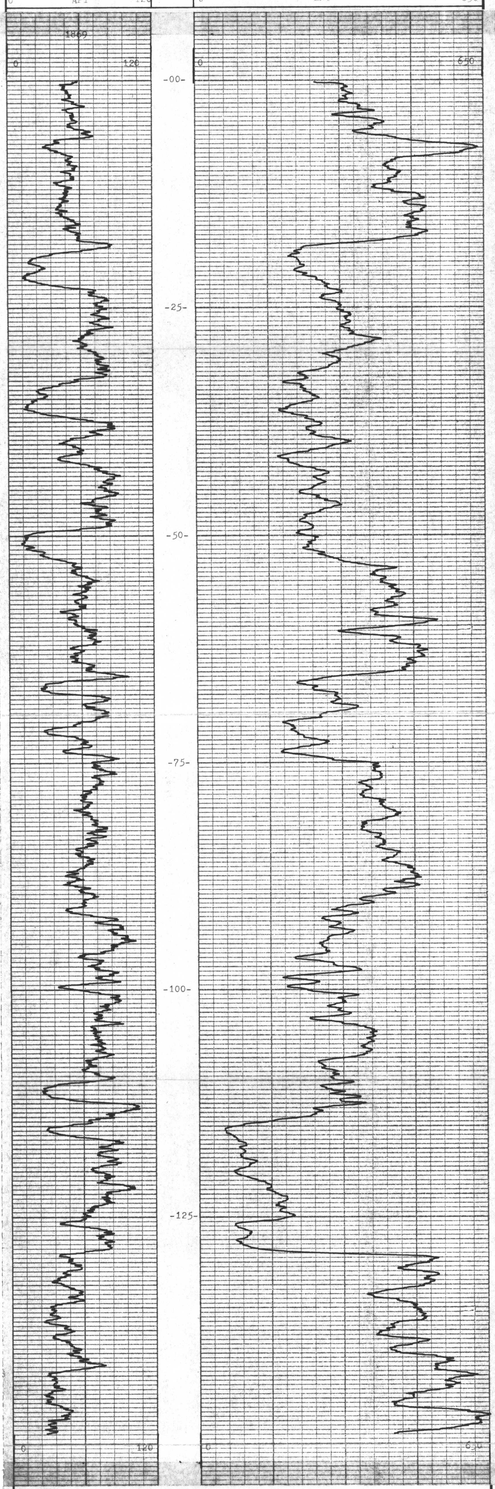
SONDE	LOG	GENERAL SCALE LOG	DETAIL SCALE LOG

REFER TO ADDITIONAL HEADINGS

REMARKS

No deviation survey- hole blocked at 3m.

GAMMA RAY	DEPTH	NEUTRON-NEUTRON
0 API 120		0 SNU 650



0 API 120		0 SNU 650
GAMMA RAY	DEPTH	NEUTRON-NEUTRON

BPB

BOREHOLE 1869
CLIENT Fording Coal Ltd.
AREA South Greenhills
COUNTRY Canada

MY 95160 R

COMPANY FORDING COAL

WELL 1949

FIELD KILMARNOCK

PROVINCE B.C.

GAMMA RAY & NEUTRON-NEUTRON

K-Fording River 83 SW

Run No.	One
Depth Scale	1:240
Date	24/03/83
First Reading	1.22
Last Reading	1.22
Interval Measured	1.52m
Casing Driller	24'
Casing Depth	24'
Depth Reached	153m
Bottom Driller	153m
Mud Nature	
Density	
Viscosity	
Bit Size 1	6 5/8 to 22ft
Bit Size 2	5 1/8 to TD
Casing Size 1	6 1/8 to 22ft
Rm @ Meas. Temp.	@
Rmf @	@
Rmc @	@
BHT	
Operating Time	24 hrs
Truck No.	328
Recorded By	B.F.
Witness	

Permanent Datum GROUND LEVEL Elev. ____ m.

Log measured from ____ m. above P.D.

Drilling measured from G.L. m. above P.D.

LSD ____ SEC ____ TWP ____ RGE ____

COMPANY FORDING COAL LTD.

WELL 1949

FIELD KILMARNOCK

PROVINCE B.C.

EQUIPMENT & RECORDING DATA

LOG	EQUIPMENT			TAPING			PANEL			CAL COEFF.	DEPTHS		
	SONDE	SOURCE	CALIB-RATOR	LOG TAPED	RECORD SPEED	DIRECT/ REPLAY	SPEED	TC SECS	NORM.		FROM	TO	INTERVAL
GAMMA	28		315	Y	7	D	7	2		1.53	152	00	152
N-N	217	7202	181	Y	7	D	7	2		1.13	154	02	152

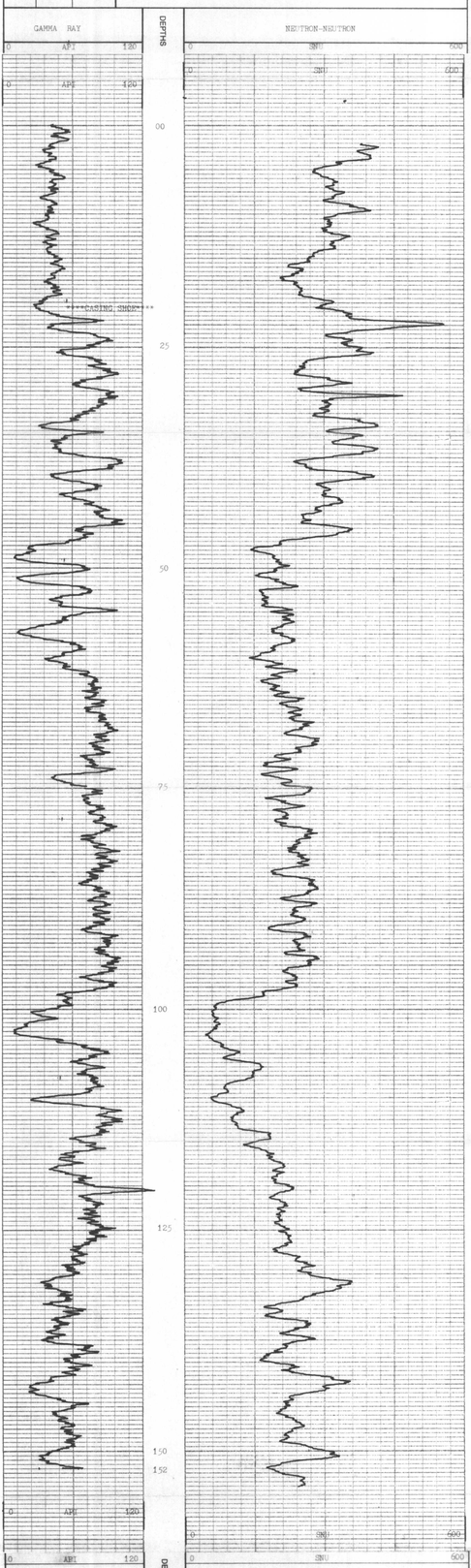
REMARKS

ADDITIONAL SONDES RUN

SONDE	LOG
212	VSHT

REFER TO ADDITIONAL HEADINGS

LOGGED IN RODS



COMPANY FORDING COAL LTD.

WELL 1949

FIELD KILMARNOCK

PROVINCE B.C.

GROUND ELEVATION ____

K-Forestry 83(3)a

COMPANY FORDING COAL
WELL 1950
FIELD KILMARNOCK
PROVINCE B.C.

GAMMA RAY & NEUTRON-NEUTRON

Run No.	
Depth Scale	1:250
Date	MAY 7/83
First Reading	116
Last Reading	0
Interval Measured	116m
Casing Driller	17m
Depth Reached	541
Bottom Driller	150.0m
Mud Nature	
S.G. | Viscosity	
Bit Size 1	5 1/8 to 17m
2	6.5 to TD
Casing Size 1	6.5 to 17m
2	to
Rm @ Meas. Temp.	@
	@
Operating Time	2 hrs
Truck No.	3K 613
Recorded By	B.P.
Witness	

COMPANY FORDING COAL LTD.
WELL 1950
FIELD KILMARNOCK
PROVINCE B.C.
Permanent Datum GROUND LEVEL Elev. m.
Log measured from " " m. above P.D.
Drilling measured from G.L. m. above P.D.

LSD SEC TWP RGE

328

EQUIPMENT & RECORDING DATA

LOG	EQUIPMENT			TAPING			PANEL			CAL COEFF	DEPTHS		
	SONDE	SOURCE	CALIB-RATOR	LOG TAPED	RECORD SPEED	DIRECT/ REPLAY	SPEED	TC SECS	NORM.		FROM	TO	INTERVAL
GAMMA	18		319	Y	7	D	7	2		1.53	116	0	116m
N-N	217	7202	181	Y	7	D	7	2		1.13	116	82	116m

REMARKS

ADDITIONAL SONDES RUN

SONDE	LOG
224	VERT

REFER TO ADDITIONAL HEADINGS

LOGGED IN RODS

GAMMA RAY 0 API 120 | DEPTHS | NEUTRON-NEUTRON 0 SNU 600

CASING SHOE 17m

00 25 50 75 100 116

0 API 120 | DEPTHS | 0 SNU 600

GAMMA RAY | DEPTHS | NEUTRON-NEUTRON

COMPANY FORDING COAL LTD.
WELL 1950
FIELD KILMARNOCK
PROVINCE B.C.
GROUND ELEVATION

COMPANY FORDING COAL
WELL 1951
FIELD KILMARNOCK
PROVINCE B.C.

Run No. 1
Depth Scale 1:240
Date 13/5/91
Time
Final Reading
Elev. of Kelly Bush.
Interval Measured
Casing Size
Casing Depth
Depth Reached
Bottom Driller
Bottom Logger
Mud Type/s
Mud Weight
Bit Size 1 6 3/4 to 6 1/2 in
2 6 1/2 to 6 1/8 in
3 to in
Bit/s Used 1 6 1/2 to 120m
2 to
3 to
Rig # & Mack Tonne
Operating Time
Recorded By
Witnessed

LSD SEC TWP RGE

Permanent Datum GROUND ZERO Elev. 0 m
Log Measured from KB m above Perm. Datum
Drilling Measured from KB m above P.D.

COMPANY FORDING COAL LTD.
WELL 1951
FIELD KILMARNOCK
PROVINCE B.C.

CASING SHOE & NEUTRON-NEUTRON

K-Fording 83/03/a

328

EQUIPMENT & RECORDING DATA

LOG	EQUIPMENT			TAPING			PANEL			CAL COEFF.	DEPTHS		
	SONDE	SOURCE	CALIBRATOR	LOG TAPED	RECORD SPEED	DIRECT/ REPLAY	SPEED	TC SECS	NORM.		FROM	TO	INTERVAL
GAMMA	79		341	Y	2	R	7	2		1.53	169	00	169
N-N	212	7202	181	Y	2	R	7	2		1.13	169	02	169

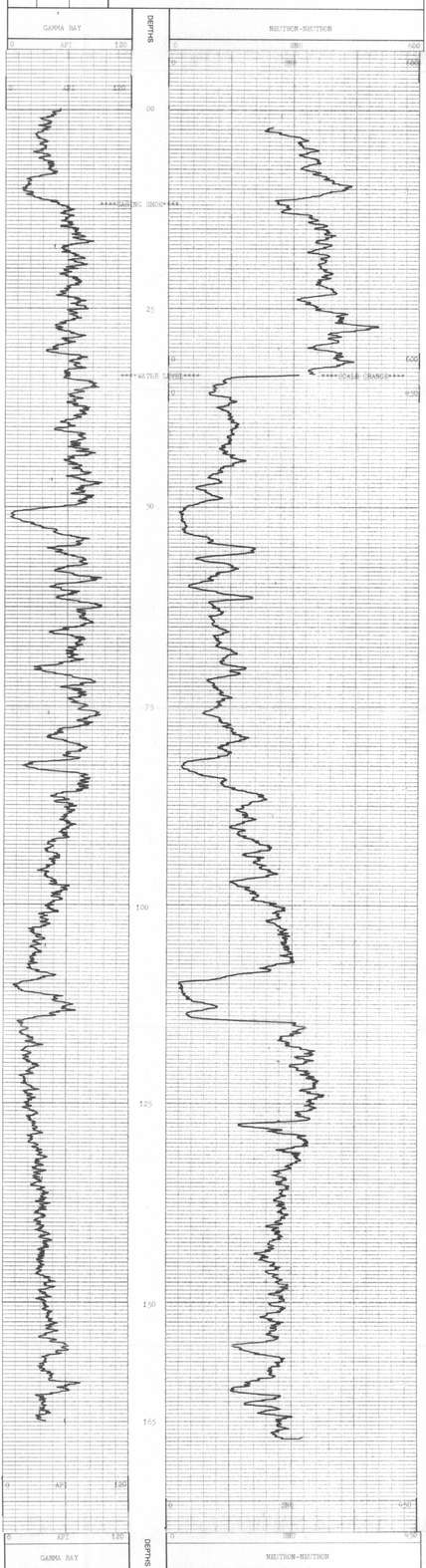
REMARKS

LOGGED IN HOLE DETAILS 116-107
85-80
56-48

ADDITIONAL SONDES RUN

SONDE	LOG
212	VERT

REFER TO ADDITIONAL HEADINGS



COMPANY FORDING COAL LTD.
WELL 1951
FIELD KILMARNOCK
PROVINCE B.C.
GROUND ELEVATION

K-formerly 83(3)a

COMPANY FORDING COAL
WELL 1952
FIELD KILMARNOCK
PROVINCE B.C.

GAMMA RAY & NEUTRON-NEUTRON

COMPANY FORDING COAL LTD.
WELL 1952
FIELD KILMARNOCK
PROVINCE B.C.

Permanent Datum GROUND LEVEL Elev. m.
Log measured from KB m. above P.D.
Drilling measured from GL m. above P.D.

LSD SEC TWP RGE

Run No.	One
Depth Scale	1:240
Date	MAY 12/83
First Reading	116
Last Reading	00
Interval Measured	116
Casing Driller	60m
Casing BPB	10m
Depth Reached	116.2m
Bottom Driller	116m
Mud Nature	
S.G. / Viscosity	
Bit Size 1	6 1/4" to 10m
2	to to
Casing Size 1	6 1/2" to 10m
Rm @ Meas. Temp.	to to
Rmf @	@ @
Operating Time	1.25hr
Truck No.	3
Recorded By	BP
Witness	

328

EQUIPMENT & RECORDING DATA

LOG	EQUIPMENT			TAPING			PANEL			CAL COEFF	DEPTHS		
	SONDE	SOURCE	CALIB-RATOR	LOG TAPED	RECORD SPEED	DIRECT/ REPLAY	SPEED	TC SECS	NORM		FROM	TO	INTERVAL
GAMMA	212		181	Y	7	D	7	2		1.0	11	00	116
N-N	1217	7202	181	Y	7	D	7	2		1.13	11	00	116

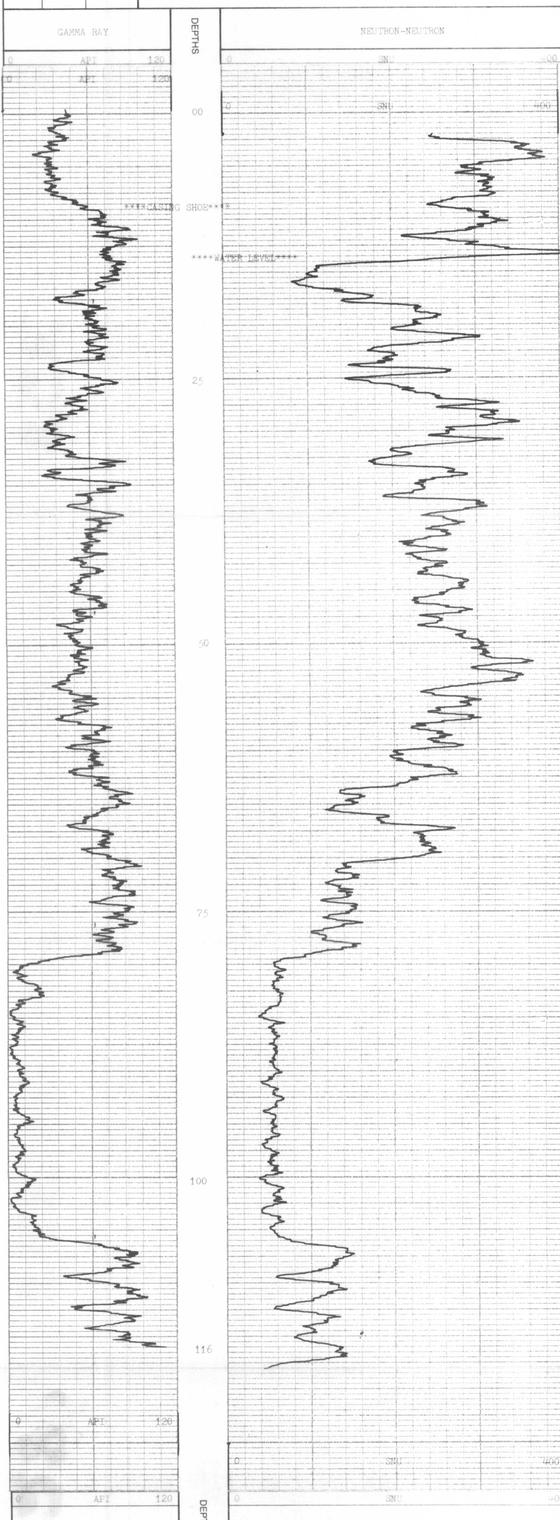
REMARKS

ADDITIONAL SONDES RUN

SONDE	LOG
212	VERT

REFER TO ADDITIONAL HEADINGS

LOGGED IN RODS DETAILS 10C-24



COMPANY FORDING COAL LTD.
WELL 1952
FIELD KILMARNOCK
PROVINCE B.C.
GROUND ELEVATION

K-Fleasons 83/SA

COMPANY FORDING COAL
WELL 1993
FIELD KILMARNOCK
PROVINCE B.C.

Run No.	
Depth Scale	1:250
Date	MAY 1/93
First Reading	104
Last Reading	0
Interval Measured	104
Casing BPB	10m
Casing Driller	10m
Depth Reached	107.5m
Bottom Driller	105m
Mud Type	
S.G.	Viscosity
Bit Size 1	6 3/8" to 10m
Bit Size 2	5 1/8" to TD
Casing Size 1	5 1/2" to 10m
Pm @ Meas. Temp.	@
Rm @ Meas. Temp.	@
BHT	@
Operating Time	1.50hrs
Truck No.	30/213
Recorded By	BP
Witness	

COMPANY FORDING COAL LTD.
WELL 1993
FIELD KILMARNOCK
PROVINCE B.C.

GAMMA RAY & NEUTRON-NEUTRON

Permanent Datum GROUND LEVEL Elev — m.
Log measured from K.B. m. above P.D.
Drilling measured from G.L. m. above P.D.

LSD — SEC — TWP — RGE —

328

EQUIPMENT & RECORDING DATA

LOG	EQUIPMENT			TAPING			PANEL			CAL. COEFF.	DEPTHS		
	SONDE	SOURCE	CALIB-RATOR	LOG TAPED	RECORD SPEED	DIRECT/ REPLAY	SPEED	TC SECS	NORM.		FROM	TO	INTERVAL
GAMMA	78		315	Y	7	D	7	2		1.30	104	0	104
N-N	217	7202	161	Y	7	D	7	2		1.14	106	02	104

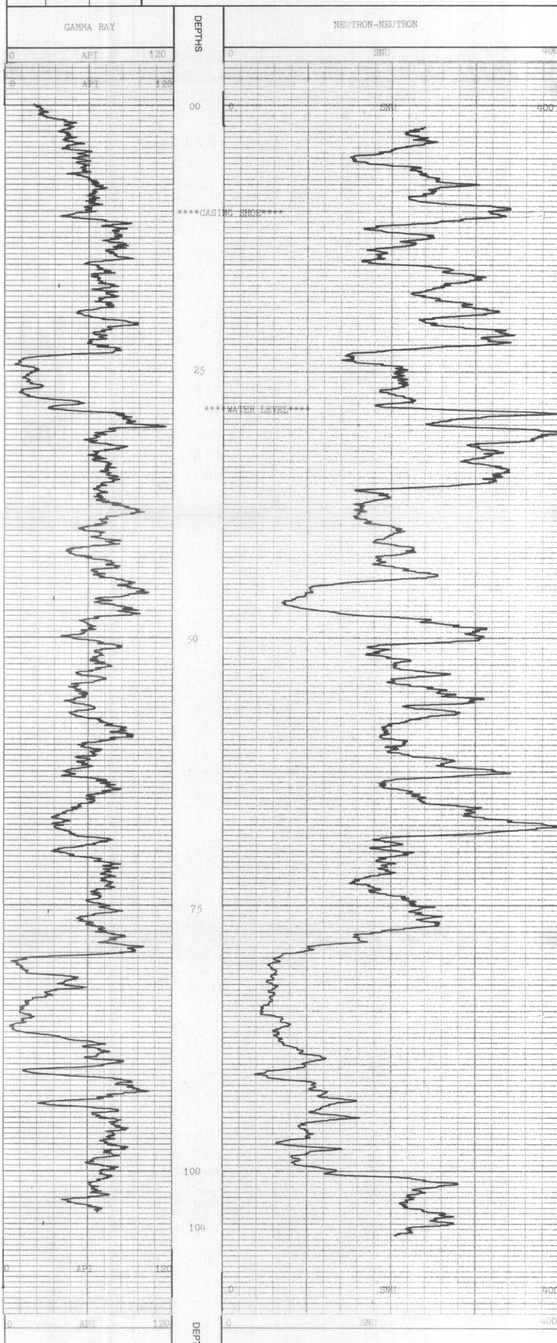
REMARKS

LOGGED IN RODS DETAILS 93-76
30-22

ADDITIONAL SONDES RUN

SONDE	LOG
212	VERT

REFER TO ADDITIONAL HEADINGS



COMPANY FORDING COAL LTD.
WELL 1993
FIELD KILMARNOCK
PROVINCE B.C.
GROUND ELEVATION

K-forden 5 8C34

GAMMA RAY & NEUTRON-NEUTRON

BOREHOLE 1954
CLIENT FORDING COAL LTD.
AREA KILMARNOCK
COUNTRY CANADA
DATE LOGGED 25 MAR 83
DEPTH SCALE 1:250
1 cm = 1.00 m

BOREHOLE DATA

PERMANENT DATUM
ELEVATION OF P.D. GROUND LEVEL
DRILLER
LOGGER'S DEPTH
CASING SHOE
DEPTH REACHED
BIT SIZES 1 6 1/8 TO 710
CASING SIZES 1 6 5/8 TO 564
2 TO
3 TO
4 TO
NATURE
FLUID DATA
S.G.
R.M.F.
VISCOSITY
Rm at meas. temp
B.H.T

OPERATION DATA

FIRST READING 150m
LAST READING 0m
INTERVAL LOGGED 150m
UNIT / TRUCK No 24/215
ENGINEER
WITNESS

328

EQUIPMENT AND RECORDING DATA

LOG	EQUIPMENT			TAPING			PANEL		CAL COEFF	DEPTHS		
	SONDE	SOURCE	CALIBRATOR	LOG TAPED	RECORD SPEED	DIRECT or REPLAY	SPEED	T SECS	NORM	FROM	TO	INTERVAL
GAMMA	82	-	31	Y	7	D	7	2	- 2.42	150	0	150
N-N	219	678/	-	Y	7	D	7	2	2.180 -	150	0	150

ADDITIONAL SONDES RUN

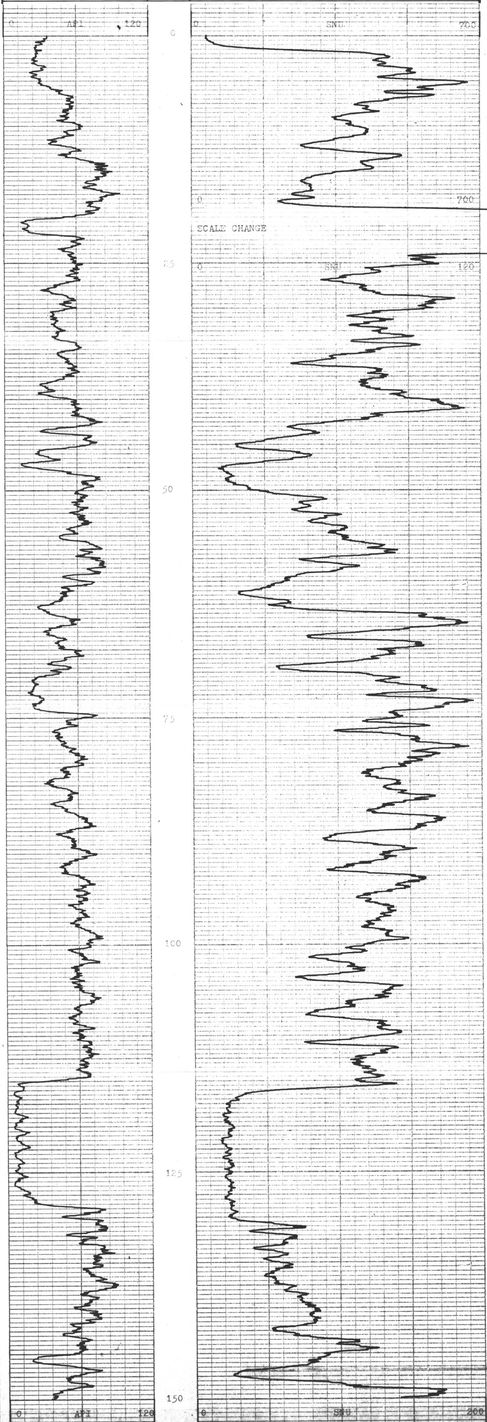
SONDE	LOG	GENERAL SCALE LOG	DETAIL SCALE LOG

REFER TO ADDITIONAL HEADINGS

REMARKS

NEUTRON SCALE CHANGE AT 2m
ABOVE SCALE 0-900
BELOW SCALE 0-200

DEPTH



API 120		0 SNU 200
GAMMA RAY	DEPTH	NEUTRON-NEUTRON

BOREHOLE 1954
CLIENT FORDING COAL LTD.
AREA KILMARNOCK
COUNTRY CANADA

MY 95160 R

GAMMA RAY & NEUTRON-NEUTRON

BOREHOLE 1955
CLIENT FORDING COAL LTD.
AREA KIMBERLEY
COUNTRY CANADA
DEPTH DRILLER 1.0 or 2.1 (m)
DEPTH LOGGER 1.95 (m)
DATE LOGGED 24 MAR 89
RUN No. ONE

BOREHOLE DATA

PERMANENT DATUM	GROUND LEVEL
ELEVATION OF PD	
LOG MEASURED FROM	RT
DEPTH REACHED	200
CASING SHOE	6" @ 197m
BIT SIZES	5 7/8" TO 200
CASING SIZES	6 5/8" @ 197m

OPERATION DATA

TIME SINCE CIRCULATION	39
LAST READING	
MAX. REC. TEMP.	15°C
EQUIPMENT No.	3/216
NEUTRON SOURCE No.	
WITNESS	

FLUID DATA

NATURE	WATER
LEVEL	22m
VISCOSITY	
Rm AT MEAS. TEMP.	
Rmf AT MEAS. TEMP.	

EQUIPMENT AND RECORDING DATA

LOG	EQUIPMENT			TAPING			PANEL			CAL CONST.	DEPTHS		
	SONDE	SOURCE	CALIBRATOR	LOG TAPED	RECORD SPEED	DIRECT'N REPLAY	SPEED	T.C. SECS	NORM		FROM	TO	INTERVAL
GAMMA	780	-	315	Y	7	D	7	2	-	5.67	197	0	197
N-N	2150	6987	-	Y	7	D	7	2	.94	-	197	0	197

ADDITIONAL SONDES RUN

SONDE	LOG	GENERAL SCALE LOG	DETAIL SCALE LOG
VERTICALITY			

REFER TO ADDITIONAL HEADINGS

REMARKS

NEUTRON SCALE CHANGE AT 24m
ABOVE SCALE 0-600
BELOW SCALE 0-300

DEPTH

0 API 120 | 0 SNU 600 | 0 SNU 300

SCALE CHANGE

0 25 50 75 100 125 150 175 200

GAMMA RAY | NEUTRON-NEUTRON

0 API 120 | 0 SNU 300

BOREHOLE 1955
CLIENT FORDING COAL LTD.
AREA KIMBERLEY
COUNTRY CANADA

MT 93160 E

K - Regional 83 (3A

GAMMA RAY & NEUTRON-NEUTRON

BOREHOLE 1956
CLIENT Fording Coal Ltd.
AREA Kilmarnock
COUNTRY Canada
DATE LOGGED 13th March '83
CASING DEPTH 1.5 m
CASING SIZES 16"/610 1.5m 12"/305 60m 8"/203 154.4m 6"/152 TO 157.2m 4"/102 TO 157.2m 2" TO
BIT SIZES 15"/380 60m 8"/203 154.4m 6"/152 157.2m
DEPTH-REACHED DRILLER 157.2m LOGGER 157.2m
PERMANENT DATUM B.P.B
ELEVATION OF PD
GROUND LEVEL
PANEL SPEED 9 TC SECS 2 NORM .94
CAL. DEFF 1.5
DEPTHS FROM 199 TO 0 INTERVAL 199
FROM 198 TO 0 INTERVAL 198
FLUID DATA
NATURE Natural
DENSITY
VISCOSITY
PH
FLUID LEVEL 922m 302'
OPERATION DATA
Rec at room temp.
B.H.T
RECORDED BY
WITNESS
RIG No.
UNIT - TRUCK No. 34/216
LOGGING METHOD Sidajet
MATRIX SANDSTONE
FIRST READING 199.5m
LAST READING 1.5m
MATRIX LOGGED 199.5m
DATUM 0
GENERAL SCALE LOG
DETAIL SCALE LOG
REFER TO ADDITIONAL HEADINGS
Vertically
ADDITIONAL SONDES RUN
REMARKS
Neutron scale change at 24m
Above scale 0-600 SNU
Below scale 0-220 SNU
EQUIPMENT AND RECORDING DATA

LOG	EQUIPMENT			TAPING			PANEL			CAL. DEFF	DEPTHS		
	SONDE	SOURCE	CALIBRATOR	LOG TAPE	RECORD SPEED	DIRECT/ REPLAY	SPEED	TC SECS	NORM		FROM	TO	INTERVAL
Gamma	82		315	Y	9	D	9	2	.94	1.5	199	0	199
N-N	215	6782		Y	9	D	9	2	.94		198	0	198

DEPTH
0 API 120
0 SNU 600
0 SNU 220
1956
-00-
-25-
-50-
-75-
-100-
-125-
-150-
-175-
-200-
SCALE CHANGE
GAMMA RAY
DEPTH
NEUTRON-NEUTRON
BOREHOLE 1956
CLIENT Fording Coal Ltd
AREA Kilmarnock
COUNTRY Canada
MY 93160 B

BPB

GAMMA RAY & NEUTRON-NEUTRON LOG

BOREHOLE 1957
CLIENT FORDING COAL LTD.
AREA KINBASKET
COUNTRY CANADA
DATE LOGGED 22 MAR 83
DEPTH SCALE 1:200
— TOP — LOGS

BOREHOLE DATA

PERMANENT DATUM GROUND LEVEL
ELEVATION OF PD "
MEASUREMENTS FROM B.P.B.
DRILLER 0.0
DEPTH REACHED 1360
CASING SHOE 1360
CASING SIZES 1 4½ TO 2m TO
2 TO
BIT SIZES 1 3 7/8 TO 1357
2 4 TO
3 TO
BIT 1 Hughes HP50

OPERATION DATA

FLUID DATA
NATURE WATER
SALT
LEVEL
VISCOSITY
WEIGHT
PH

FIRST READING
LAST READING
INTERVAL LOGGED 1360m
UNIT - TRUCK No 34/2216
ENGINEER B.Cox
WITNESS

328

K-1 Fording 83-10

EQUIPMENT AND RECORDING DATA

LOG	EQUIPMENT SONDE	EQUIPMENT SOURCE	EQUIPMENT CALIBRATOR	TAPING LOG TAPED	TAPING RECORD SPEED	TAPING DIRECT or REPLAY	PANEL SPEED	PANEL TC S/C'S	PANEL NORM	CAL COILS	DEPTHS FROM	DEPTHS TO	DEPTHS INTERVAL
GAMMA	781		A	Y	9	D	7	2	-	.83	1360	0	1360
NEU	110	6989	A	Y	9	D	7	2	1.95	-	1360	0	1360

ADDITIONAL SONDES RUN

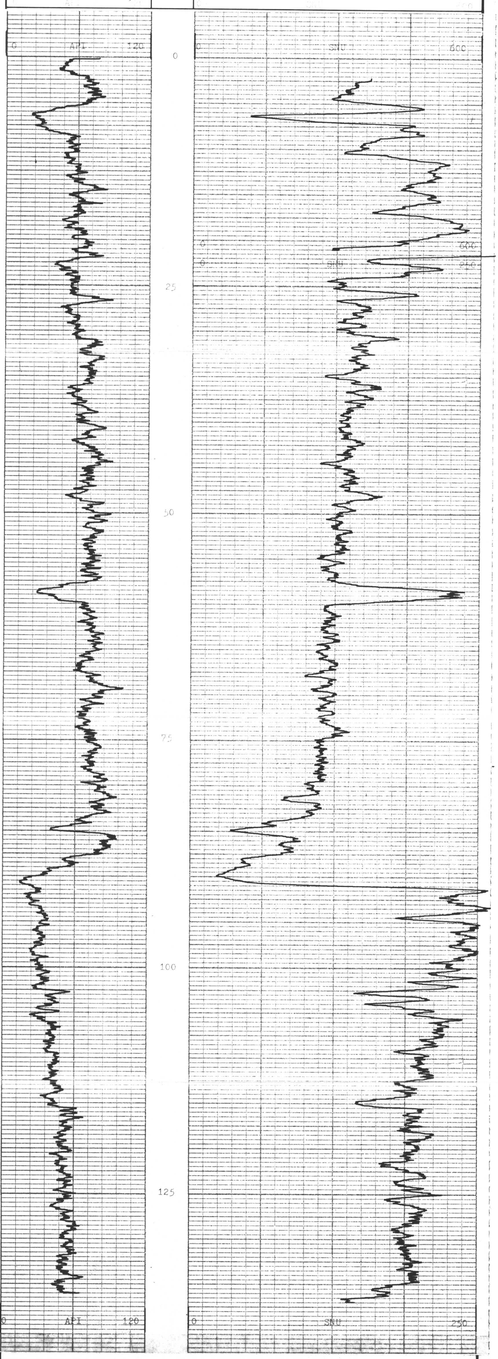
SONDE	LOG	GENERAL SCALE LOG	DETAIL SCALE LOG
NEUTRON	Y		

REFER TO ADDITIONAL HEADINGS

REMARKS

CASING FROM SURFACE TO 1357'
ARMCO CSG. 4½ OD
TUBING LINER O.D. 2"

GAMMA RAY | DEPTH | NEUTRON-NEUTRON



0 API 120 | DEPTH | 0 SNU 250

GAMMA RAY | NEUTRON-NEUTRON

BPB

BOREHOLE 1957
CLIENT FORDING COAL LTD.
AREA KINBASKET
COUNTRY CANADA

MY 93160 R

K-Fording 83(3)A

BPB

GAMMA RAY & NEUTRON-NEUTRON

BOREHOLE 1958
CLIENT FORDING COAL LTD.
AREA KILMARNOCK
COUNTRY CANADA
DEPTH SCALE 250:1
DATE LOGGED 23 MAR 83
1 OF 2 LOGS

BOREHOLE DATA

PERMANENT DATUM	GROUND LEVEL		
ELEVATION OF PD	"	K	
	B P B	DRILLER	
MEASUREMENTS FROM	GL	GL	
DEPTH REACHED	91	92	
CASING SHOE		3"	
BIT SIZES	5 1/10 TO 3D	2 TO	
CASING SIZES	6 5/8@ 35'2	4 TO	

FLUID DATA

NATURE	NATURAL
S.G	
LEVEL	
VISCOSITY	27@8C
Rm at meas. temp	
B.H.T	

OPERATION DATA

FIRST READING	87
LAST READING	
LOGGED	87
UNIT + TRUCK No.	5/216
ENGINEER	B.W.
WITNESS	

328

EQUIPMENT AND RECORDING DATA

LOG	EQUIPMENT			TAPING			PANEL			CAL COEFF	DEPTHS		
	SONDE	SOURCE	CALIBRATOR	LOG TAPED	RECORD SPEED	DIRECT or REPLAY	SPEED	TC SECS	NORM		FROM	TO	INTERVAL
GAMMA	780	-	315	Y	7	D	7	2	-	1.62	87	0	87
N-N	2150	5787	-	Y	7	D	7	2	.94	-	87	0	87

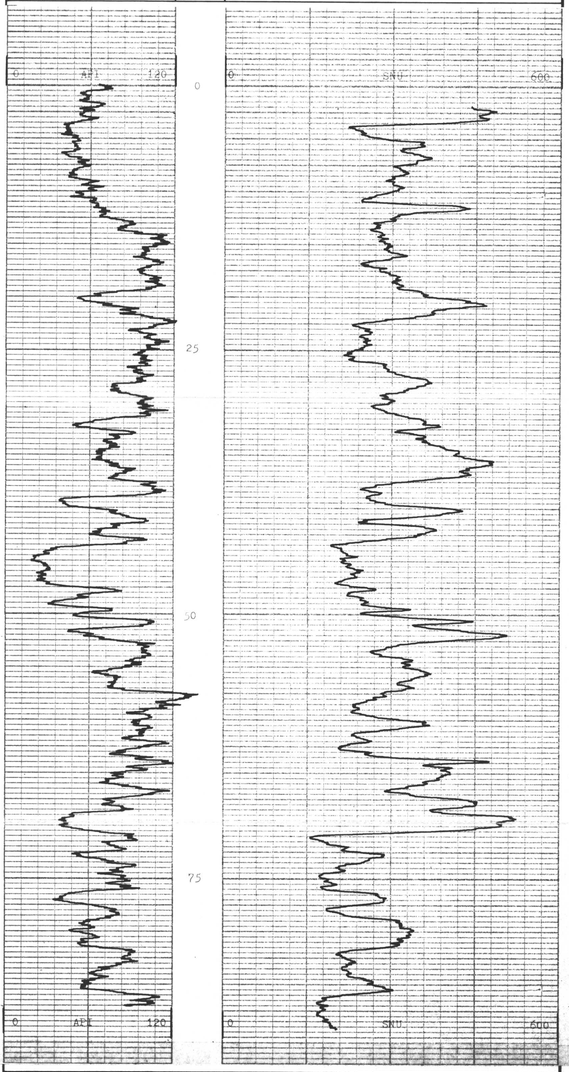
ADDITIONAL SONDES RUN

SONDE	LOG	GENERAL SCALE LOG	DETAIL SCALE LOG
VERTICALITY			

REFER TO ADDITIONAL HEADINGS

REMARKS

DEPTH



0 API 120		0 SNU 600
GAMMA RAY	DEPTH	NEUTRON-NEUTRON

BPB

BOREHOLE 1958
CLIENT FORDING COAL LTD.
AREA KILMARNOCK
COUNTRY CANADA

MY 93160 R

K-Fording 83/3A

BPB

BOREHOLE 1959
CLIENT FORDING COAL LTD.
AREA KILMARNOCK
COUNTRY CANADA
DATE LOGGED 22 MAR 83
± OF 2 LOGS
DEPTH SCALE 200'

GAMMA RAY & NEUTRON-NEUTRON

BOREHOLE DATA

PERMANENT DATUM	GROUND LEVEL		
ELEVATION OF P.D.			
MEASUREMENTS FROM	B.P.B.	DRILLER	
DEPTH REACHED	91	92	
CASING SHOE	94.1	92	
BIT SIZES	1 5 1/8 TO TD 2		TO
	3	4	TO
CASING SIZES	6 5/8 TO 1.2		TO

FLUID DATA

NATURE	NATURAL
S.G.	
LEVEL	
VISCOSITY	56
Rm @ meas. temp.	
R.M.F.	

OPERATION DATA

FIRST READING	91
LAST READING	0
INTERVAL LOGGED	91
UNIT - TRUCK No.	34/216
ENGINEER	R.W.
WITNESS	

328

EQUIPMENT AND RECORDING DATA

LOG	EQUIPMENT			TAPING			PANEL			CAL COEFF	DEPTHS			
	SONDE	SOURCE	CALIBRATOR	LOG TAPED	RECORD SPEED	DIRECT or REPLAY	SPEED	T.C. SECS	NORM		FROM	TO	INTERVAL	
GAMMA	781	-	319	Y	7	D	7	2	-	3.69	91	0	91	
N-N	21	5787	-	Y	7	D	7	2.94	-		93	0	93	

ADDITIONAL SONDES RUN

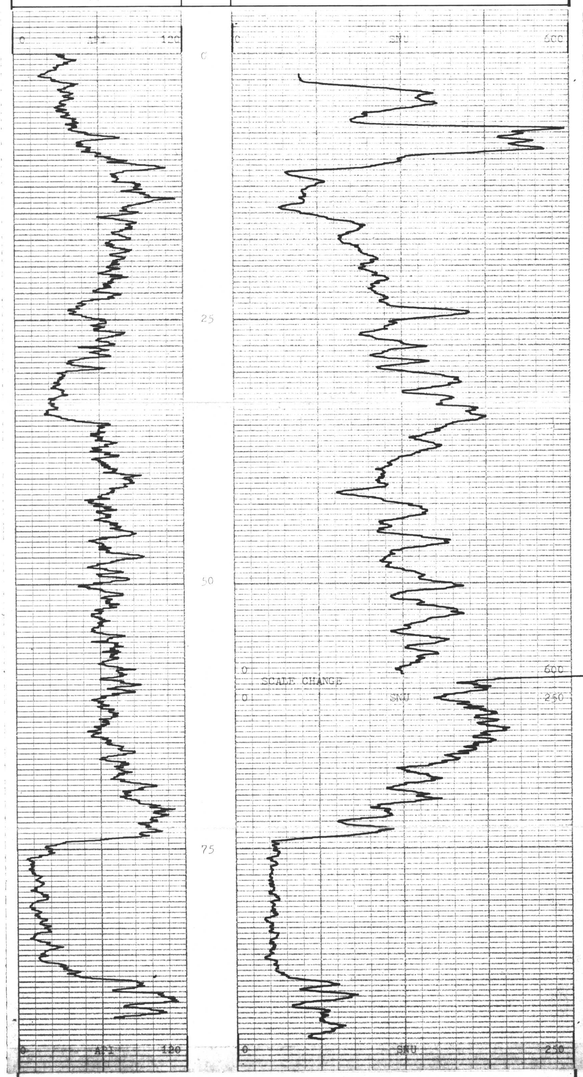
SONDE	LOG	GENERAL SCALE LOG	DETAIL SCALE LOG

REFER TO ADDITIONAL HEADINGS

REMARKS

ARCHIVE SCALE CHANGES AT 56m
ARCHIVE SCALE B 1:600
BEGIN SCALE CHANGE 20

DEPTH



0 API 120 | 0 SNU 250

DEPTH

BPB

BOREHOLE 1959
CLIENT FORDING COAL LTD.
AREA KILMARNOCK
COUNTRY CANADA

MT 95180 R

BPB

BOREHOLE 1960
CLIENT FORDING COAL LTD.
AREA KILWARNOCK
COUNTRY CANADA
DATE LOGGED 21 MAR 83
RUN 1
DEPTH SCALE 1:200
LOG GAMMA RAY & NEUTRON-NEUTRON

K-fording 83/3A

BOREHOLE DATA

PERMANENT DATUM GROUND LEVEL
ELEVATION OF P.D.
MEASUREMENTS FROM P.P.B.
DEPTH REACHED 133.2
CASING SHOE 2.4
BIT SIZES 1 1/8 TO 22.0 TO
CASING SIZES 1 15/16 TO 20.0 TO

FLUID DATA

NATURE NATURAL
S.G.
LEVEL
VISCOSITY
Rm at meas. temp
B.H.T.

OPERATION DATA

FIRST READING 130
LAST READING 3.0
INTERVAL LOGGED 3.0
UNIT / TRUCK No 32/210
ENGINEER R. W.
WITNESS

328

EQUIPMENT AND RECORDING DATA

LOG	EQUIPMENT			TAPING			PANEL			CAL COEFF	DEPTHS		
	SONDE	SOURCE	CALIBRATOR	LOG TAPED	RECORD SPEED	DIRECT or REPLAY	SPEED	T.C. SECS	NORM		FROM	TO	INTERVAL
GAMMA RAY	2CS	-	4A	Y	F	D	F	2	-	-	3.0	0.0	3.0
N-N	1-189	-	-	Y	F	D	F	2	.94	-	133.2	3.0	130.2

ADDITIONAL SONDES RUN

SONDE	LOG	GENERAL SCALE LOG	DETAIL SCALE LOG

REFER TO ADDITIONAL HEADINGS

REMARKS

NEUTRON SCALE TEN TIMES LOG
NEUTRON SCALE 0-600
GAMMA SCALE 0-200

DEPTH

0 API 120 | 0 SNU 300 (SCALE CHANGE)

25 50 75 100 125

0 API 120 | 0 SNU 300

GAMMA RAY	DEPTH	NEUTRON-NEUTRON

BPB

BOREHOLE 1960
CLIENT FORDING COAL LTD.
AREA KILWARNOCK
COUNTRY CANADA

MY 95160 R

BOREHOLE
CLIENT
AREA
COUNTRY
DATE LOGGED
DEPTH DRILLER
DEPTH LOGGER
BTM LOG INT.
TOP LOG INT.

OPERATION DATA
WITNESS
ENGINEER
UNIT / TRUCK No.
RIG
FIRST READING
LAST READING
DATE
TIME
FLUID DATA
RECORDED BY
WITNESSED BY
LEVEL
SALINITY
DENSITY
Rm at MEAS. TEMP.
BIT
CASING SIZES
BIT SIZES
CASING WEIGHT
CASING GRADE
BOREHOLE DATA
PERMANENT DATUM
ELEVATION OF P.D.
K.B.
D.F.
G.L.
LOG MEASURED FROM
DRILLER
LOGGER
TD
TD
TD
TD

EQUIPMENT AND RECORDING DATA

LOG	EQUIPMENT			TAPING			PANEL		CAL. DEPTH	DEPTHS		
	SONDE	SOURCE	CALIBRATOR	LOG TAPED	RECORDED SPEED	DIRECTO REPLAY	SPEED	TC U.C.S.	NORM	FROM	TO	INTERVAL

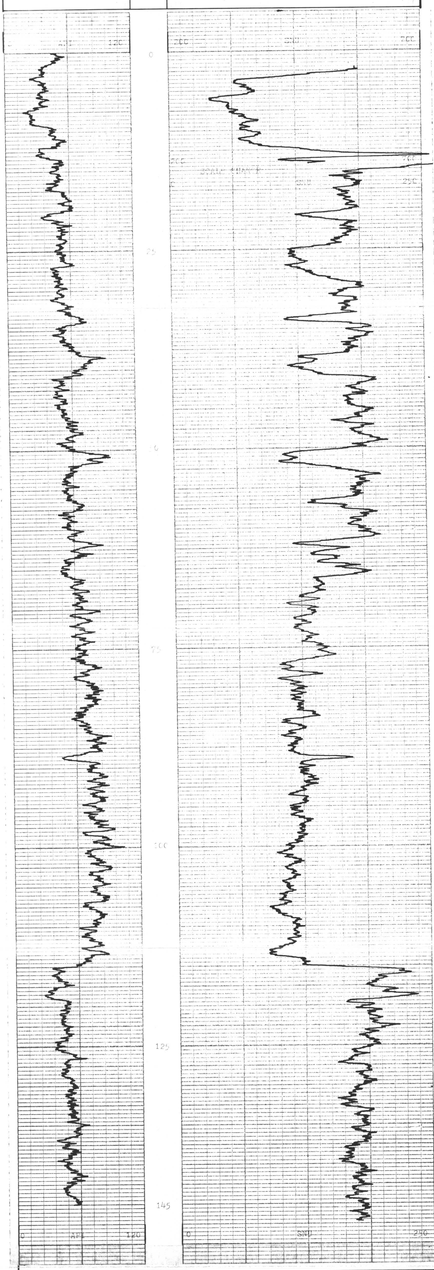
ADDITIONAL SONDES RUN

SONDE	LOG	GENERAL SCALE LOG	DETAIL SCALE LOG

REFER TO ADDITIONAL HEADINGS

REMARKS

DEPTH



BOREHOLE 1961
CLIENT PORDING COAL LTD.
AREA KITSAWANGA
COUNTRY CANADA

MT 93160 R

K-fracole 83/3A

GAMMA RAY & NEUTRON-NEUTRON

BOREHOLE 1962
CLIENT Fording Coal Ltd
AREA Kilmarnock
COUNTRY Canada
DATE LOGGED 13 March 83

DEPTH SCALE 1:250
1 to 2 LOGS

BOREHOLE DATA

PERMANENT DATUM	
ELEVATION OF PD	Ground Level
	D.F.B.
MEASUREMENTS FROM	0 m
	DRILLER
DEPTH REACHED	151.5m
	152.4m
CASING SHOE	22"
BIT SIZES	15 1/2" TO 22"
	TO
	TO
CASING SIZES	16" 6.6/8.10 22"
	TO
	TO

FLUID DATA

NATURE	Natural
S.G.	
LEVEL	? 175.5m.?
VISCOSITY	
Rm at meas. temp.	
RMF	
RMC	
RM	

OPERATION DATA

FIRST READING	1.1m.
LAST READING	151.0
RECORDED BY	J.Gerrard
UNIT-TRUCK NO.	3426/216
ENGINEER	D.Fisher
WITNESS	

328

EQUIPMENT AND RECORDING DATA

LOG	EQUIPMENT			TAPING			PANEL			CAL COEFF	DEPTHS		
	SONDE	SOURCE	CALIBRATOR	LOG TAPED	RECORD SPEED	DIRECT or REPLAY	SPEED	T.C. SECS	NORM		FROM	TO	INTERVAL
Gamma	82		315	Y	9	D	9	2		1.5	151	0	151
N-N	215	6787		Y	9	D	9	2	.94		151	0	151

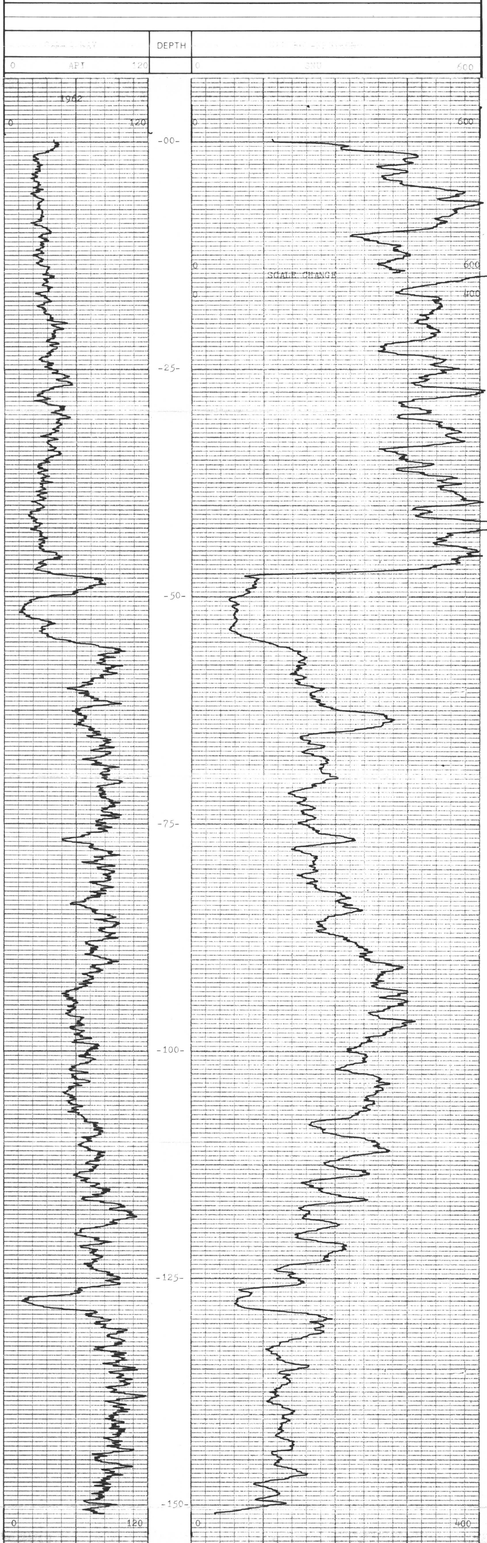
ADDITIONAL SONDES RUN

SONDE	LOG	GENERAL SCALE LOG	DETAIL SCALE LOG

REFER TO ADDITIONAL HEADINGS

REMARKS

Neutron scale change at 1.5m
Above scale 0-600 SNU
Below scale 0-400 SNU



0 API 120	DEPTH	0 SNU 400
GAMMA RAY		NEUTRON-NEUTRON

BOREHOLE 1962
CLIENT Fording Coal Ltd.
AREA Kilmarnock
COUNTRY Canada

MT 9316Q 8

K-Fo 005 83/39

BPB

BOREHOLE 1963
CLIENT Fording Coal Ltd.
AREA Kilmarnock
COUNTRY Canada
DATE LOGGED 14March'83
1 or 2 LOGS
DEPTH SCALE 1:250

GAMMA RAY & NEUTRON-NEUTRON

BOREHOLE DATA

PERMANENT DATUM	Ground Level				
ELEVATION OF P.D.		B.P.B.			
MEASURED FROM	G.L.	DRILLER			
DEPTH REACHED	108.5	108.8			
CASING SHOE	108.5	12m.			
BIT SIZES	1 5 1/8in TD	2			
CASING SIZES	1 6 5/8in 12m.2	3 TO	4 TO	TO	

FLUID DATA

NATURE	Natural				
S.G.					
LEVEL	2 11.5m.2				
VISCOSITY					
Rm at meas. temp.					
B.H.T.					

OPERATION DATA

FIRST READING	108m				
LAST READING	0				
INTERVAL LOGGED	108m.				
UNIT - TRUCK No.	36/216				
ENGINEER	D.Fisher				
WITNESS					

328

EQUIPMENT AND RECORDING DATA

LOG	EQUIPMENT			TAPING			PANEL			CAL. COEFF	DEPTHS		
	SONDE	SOURCE	CALIBRATOR	LOG TAPED	RECORD SPEED	DIRECT or REPLAY	SPEED	T.C. SECS	NORM		FROM	TO	INTERVAL
Gamma	82		315	Y	9	D	9	2		1.5	108	0	108
N-N	215	6787		Y	9	D	9	2	.94		108	0	108

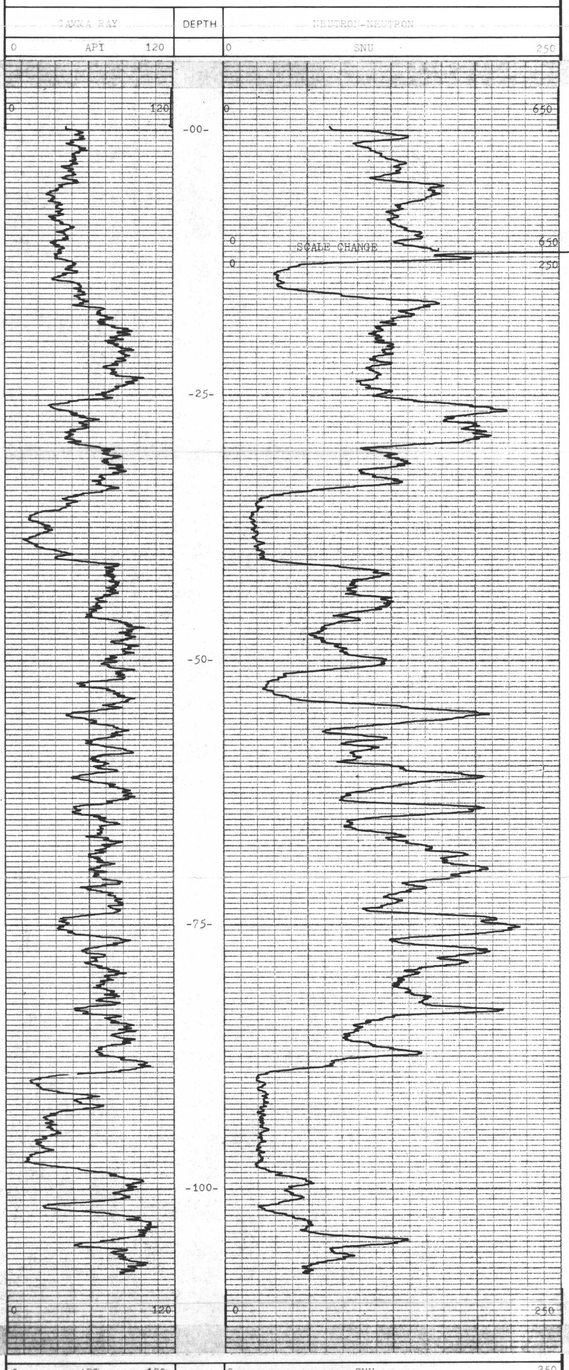
ADDITIONAL SONDES RUN

SONDE	LOG	GENERAL SCALE LOG	DETAIL SCALE LOG

REFER TO ADDITIONAL HEADINGS

REMARKS

Neutron scale change at 11.5m.
Above scale 0-650 SNU
Below scale 0-250 SNU



0 API 120 | DEPTH | 0 SNU 250

GAMMA RAY | NEUTRON-NEUTRON

BPB

BOREHOLE 1963
CLIENT Fording Coal Ltd.
AREA Kilmarnock
COUNTRY Canada

MY 93160 R

GAMMA RAY & NEUTRON-NEUTRON

BOREHOLE 1964
CLIENT FORDING COAL LTD.
AREA KILMARNOCK
COUNTRY CANADA
DATE LOGGED 24 MAR 83

DEPTH SCALE 1:250

± OF ± LOGS

BOREHOLE DATA

PERMANENT DATUM	GROUND LEVEL
ELEVATION OF P.D.	GROUND LEVEL
MEASUREMENTS FROM	B.P.B.
DEPTH REACHED	105
CASING SHOE	106
BIT SIZES	1 5" TO TD 2
	3 TO 4
CASING SIZES	1 6 5/8 TO 20" 2
	3 TO 4

DRILLER

FLUID DATA

NATURE	NATURAL
S.G.	
LEVEL	
VISCOSITY	UNKNOWN
PH	
Rm at meas. temp.	
B.H.T.	

OPERATION DATA

FIRST READING	105m
LAST READING	0m
INTERVAL LOGGED	105m
UNIT-TRUCK No.	35/216
ENGINEER	
WITNESS	R.W.

328

EQUIPMENT AND RECORDING DATA

LOG	EQUIPMENT			TAPING			PANEL			CAL COEFF	DEPTHS		
	SONDE	SOURCE	CALIBRATOR	LOG TAPED	RECORD SPEED	DIRECT or REPLAY	SPEED	T.C. SECS	NORM		FROM	TO	INTERVAL
GAMMA	28	-	315	Y	7	D	7	2	-	1.67	105	0	105
N-N	215	6787	-	Y	7	D	7	2	.94	-	105	0	105

ADDITIONAL SONDES RUN

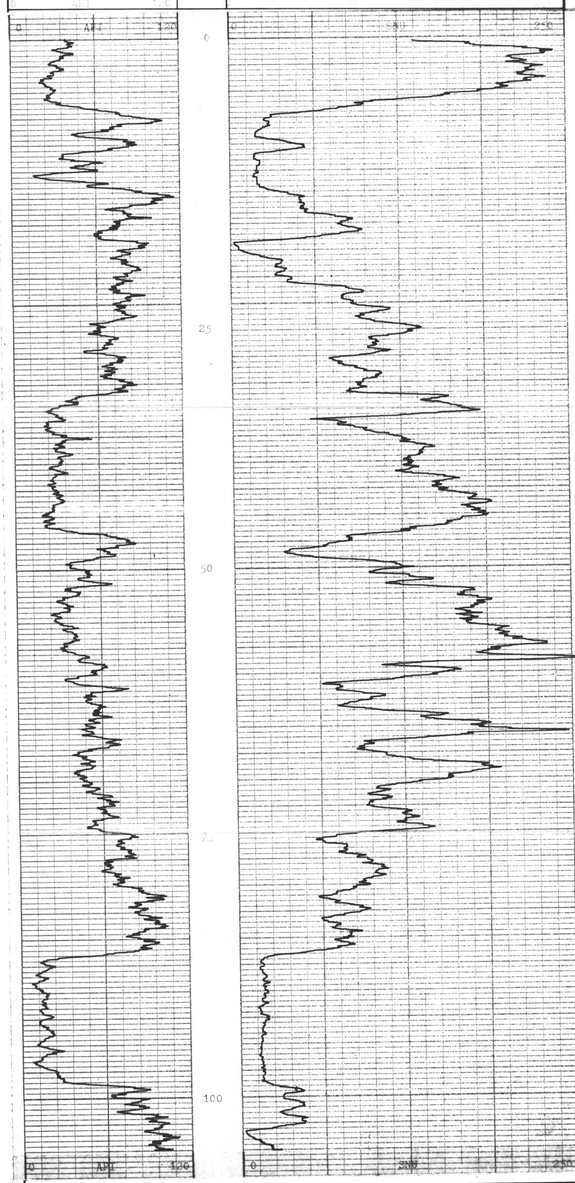
SONDE	LOG	GENERAL SCALE LOG	DETAIL SCALE LOG
VERTICALITY			

REFER TO ADDITIONAL HEADINGS

REMARKS

DEPTH

FEET/100=FEMRO



0	API 120	0	SNU 250
GAMMA RAY		DEPTH	NEUTRON-NEUTRON

BOREHOLE 1964
CLIENT FORDING COAL LTD.
AREA KILMARNOCK
COUNTRY CANADA

MY 95160 R

GAMMA RAY & NEUTRON LOGGING

BOREHOLE 1965
CLIENT FORDING COAL LTD.

AREA KILWARNOCK
COUNTRY CANADA

DATE LOGGED 30 MAR 65
DEPTH SCALE 1" = 100'
DF GL CDGS

BOREHOLE DATA

PERMANENT DATUM GROUND LEVEL
ELEVATION OF PD B.P.B.
MEASUREMENT FROM DRILLER

CASING SIDE	BIT SIZES	DEPTH REACHED
1	10	1615
2	10	1615
3	10	1615
4	10	1615

CASING SIZES 1 8"/8 10" 2
3 4

FLUID DATA

NATURE WATER
S.G. —
LEVEL —
VISCOSITY —
RESISTIVITY —
B.H.T. —

OPERATION DATA

FIRST READING	1600
LAST READING	0
INTERVAL LOGGED	1600
UNIT - TRUCK No.	3/22
ENGINEER	[illegible]
WITNESS	[illegible]

328

K- Fredericks 83(3)A

EQUIPMENT AND RECORDING DATA

LOG	EQUIPMENT			TAPING			PANEL			CAL CON'S	DEPTHS		
	SONDE	SOURCE	CALIBRATOR	LOG TAPE ID	RECORD SPEED	DIRECT or REPLAY	SPEED	T.C. SECS	NORM		FROM	TO	INTERVAL
GAMMA RAY	6.0			V	V								
NEUTRON	6.0	10mC		V	V								

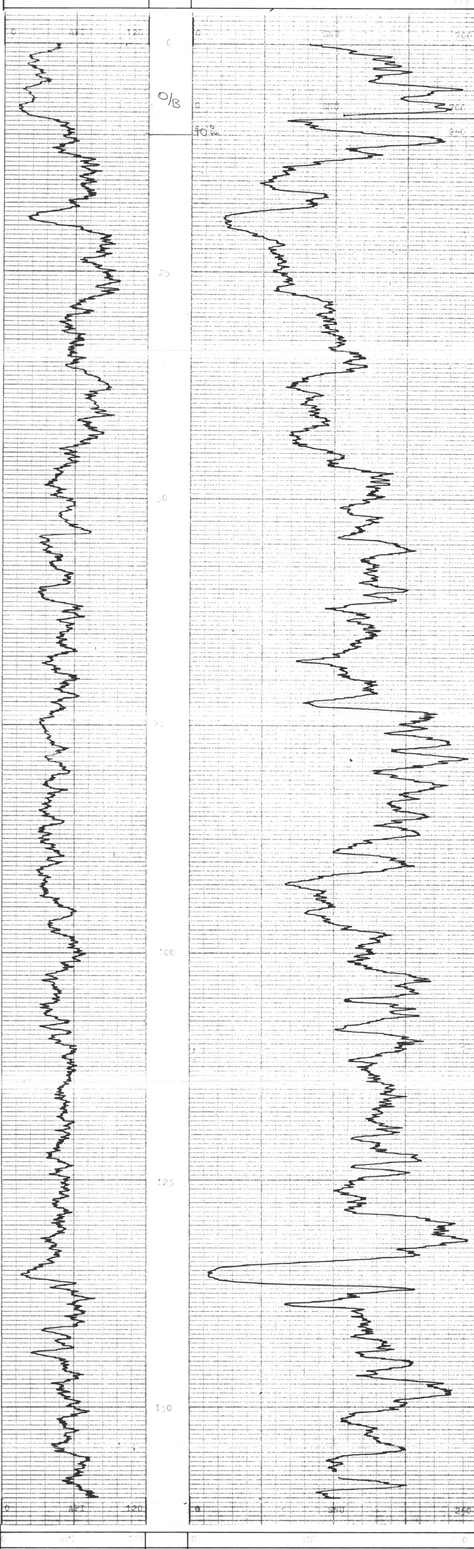
ADDITIONAL SONDES RUN

SONDE	LOG	GENERAL SCALE LOG	DETAIL SCALE LOG

REFER TO ADDITIONAL HEADINGS

REMARKS

DEPTH



GAMMA RAY | DEPTH | NEUTRON-NEUTRON

BOREHOLE 1965
CLIENT FORDING COAL LTD.

AREA KILWARNOCK
COUNTRY CANADA

MT 93160

GAMMA RAY & NEUTRON-DEPTH

BOREHOLE 1966
CLIENT FORDING COAL LTD.
AREA KIMMOCK
COUNTRY CANADA
DEPTH SCALE 1:240
DATE LOGGED 29 MAR 82
RUN NO. 1
LOG 1

BOREHOLE DATA
PERMANENT DATUM GROUND LEVEL
ELEVATION OF PD —
LOG MEASURED FROM RT B
DEPTH REACHED 169.2
CASING SHOE 170
BIT SIZES 1 6 3/4 Dia TO 170
2 4 1/2 Dia TO
3 TO
4 TO
CASING SIZES 1 6" OTO 170
2 TO
3 TO

PANEL
TC SECS 2
NORM —

CAL COEFF
1.69

DEPTHS
FROM 0
TO 169
INTERVAL 169

FLUID DATA
NATURE NATURAL
SALINITY —
FLUID LEVEL —
VISCOSITY —
Rm AT MEAS. TEMP. —
BHT —

OPERATION DATA
RECORDED BY —
WITNESS —
TIME SINCE CIRC. —
MAX. REC. TEMP. —
EQUIP. LOCATION 30/216
RECORDED BY —
WITNESS —

EQUIPMENT AND RECORDING DATA

LOG	EQUIPMENT			TAPING			PANEL		CAL COEFF	DEPTHS		
	SONDE	SOURCE	CALIBRATOR	LOG TAPE ID	RECORD SPEED	DIRECT'N REPLAY	SPEED	T.C. SECS	NORM	FROM	TO	INTERVAL
GAMMA	78D	-	375	Y	7	D	9	2	1.69	169	0	169
N-N	215D	6987		Y	7	D	9	2.94	-	169	0	169

ADDITIONAL SONDES RUN

SONDE	LOG	GENERAL SCALE LOG	DETAIL SCALE LOG
VERTICALITY			

REFER TO ADDITIONAL HEADINGS

REMARKS

NEUTRON SCALE CHANGE AT 75M
ABOVE SCALE 0-750
BELOW SCALE 0-250

GAMMA RAY | DEPTH | NEUTRON-NEUTRON

0 API 120 | 0 SNU 750

SCALE CHANGE

0 SNU 250

0 API 120 | DEPTH | 0 SNU 250

GAMMA RAY | NEUTRON-NEUTRON

BOREHOLE 1966
CLIENT FORDING COAL LTD.
AREA KIMMOCK
COUNTRY CANADA

MT 93160 E

K-Records 83/138

328

GAMMA RAY AND NEUTRON-NEUTRON

BOREHOLE 1962
CLIENT FORDING COAL LTD.
AREA KILMARNOCK
COUNTRY CANADA
DATE LOGGED 23 MAR 83
DEPTH SCALE 1" = 25'
LOG 1 OF 1 LOGS

BOREHOLE DATA

PERMANENT DATUM	GROUND LEVEL
ELEVATION OF P.D.	0
MEASUREMENTS FROM	K.B.
DEPTH REACHED	1962'
CASING DEPTH	1962'
BIT SIZES	1 7 7/8 to 1962' 2 TO 3 TO 4 TO
CASING SIZES	1 16" / 210 2" 2 TO

FLUID DATA

NATURE	WATER
S.G.	
LEVEL	
VISCOSITY	
PH	
RM @ MEAS. TEMP.	
BHT	

OPERATION DATA

TIME READING	12 HRS
LAST READING	1 DAY
INTERVAL LOGGED	1962'
UNIT / TRUCK No.	31/10
ENGINEER	R.W.
WITNESS	

EQUIPMENT AND RECORDING DATA

LOG	EQUIPMENT			TAPING			PANEL			CAL. COEFF.	DEPTHS		
	SONDE	SOURCE	CALIBRATOR	LOG TAPED	RECORD SPEED	DIRECT or REPLAY	SPEED	T.C. SECS	NORM		FROM	TO	INTERVAL
GAMMA	7881	-	31	Y	7	D	2	-	1.075	-			
N-N	433	7887	-	Y	7	D	2	2	.94	-	191	0	

ADDITIONAL SONDES RUN

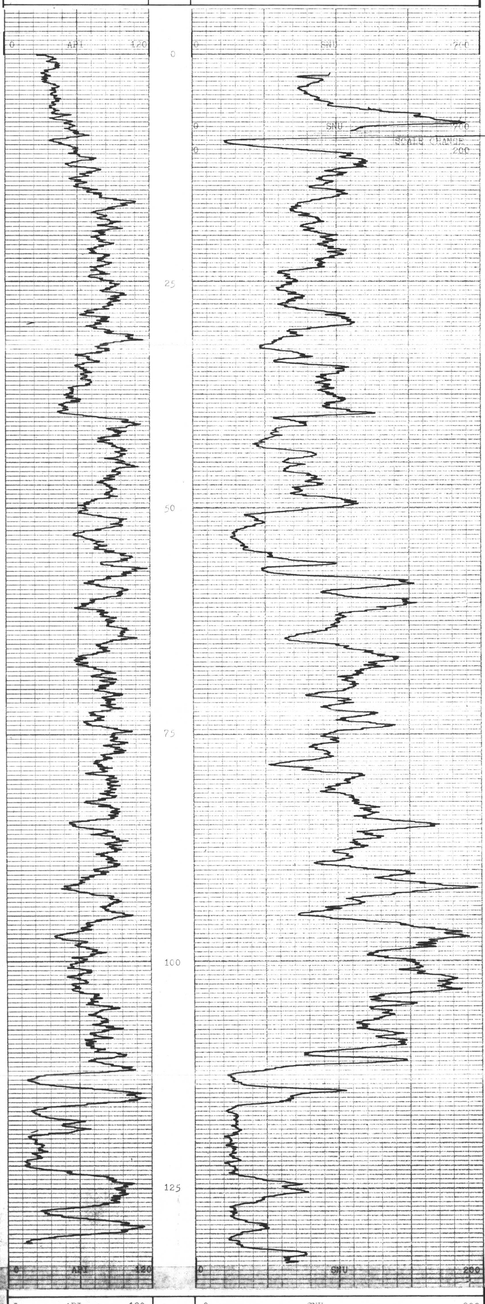
SONDE	LOG	GENERAL SCALE LOG	DETAIL SCALE LOG

REFER TO ADDITIONAL HEADINGS

REMARKS

SECTION TAKEN STARTING AT 0 FT.
APPROX. CASE 0-500
CASING SHOE 0-500

DEPTH



0 API 120	DEPTH	0 SNU 200
GAMMA RAY		NEUTRON-NEUTRON

BOREHOLE 1962
CLIENT FORDING COAL LTD.
AREA KILMARNOCK
COUNTRY CANADA

MY 93160 B

K-Falcon 83(3)R.

GAMMA RAY & NEUTRON-NEUTRON

BOREHOLE 1968

CLIENT FORDING COAL LTD.

AREA KILMARNOCK

COUNTRY CANADA

DATE LOGGED 21 MAR 83

DEPTH SCALE 1:240

+ OF + LOGS

BOREHOLE DATA

PERMANENT DATUM	GROUND LEVEL	
ELEVATION OF P D	"	"
	B P B	DRILLER
MEASUREMENTS FROM	GL	GL
DEPTH REACHED	69.7	70'
CASING SHOE		70'
BIT SIZES 1	6 1/8 TO TD	2 TO
3	TO	4 TO
CASING SIZES 1	6 5/8 TO 70'	2 TO

FLUID DATA

NATURE	NATURAL
S G	
LEVEL	30m
VISCOSITY	
Rm at meas temp	-
B H T	

OPERATION DATA

FIRST READING	67	3238
LAST READING	0	
INTERVAL LOGGED	67	3238
UNIT-TRUCK No	3/215	
ENGINEER		
WITNESS		

EQUIPMENT AND RECORDING DATA

LOG	EQUIPMENT			TAPING			PANEL			CAL COEFF	DEPTHS			
	SONDE	SOURCE	CALIBRATOR	LOG TAPED	RECORD SPEED	DIRECTor REPLAY	SPEED	T C SECS	NORM		FROM	TO	INTERVAL	
GAMMA	70	-	315	Y	7	D	7	2	-	1.67	67	0	-67	
-"	6787	6787	-	Y	7	D	7	2	.9	-	67	0	67	

ADDITIONAL SONDES RUN

SONDE	LOG	GENERAL SCALE LOG	DETAIL SCALE LOG

REFER TO ADDITIONAL HEADINGS

REMARKS

TERTIARY STANDARD CHANGED AT 50'

ABV. SCALE 0-100

BELOW SCALE 0-250

	DEPTH	
		CC

GAMMA RAY	DEPTH	NEUTRON-NEUTRON

BOREHOLE 1968

CLIENT FORDING COAL LTD.

AREA KILMARNOCK

COUNTRY CANADA

MY 95160 R

BPB

BOREHOLE 1992
CLIENT FORESTRY COAL LTD.
AREA KITIMAT BC
COUNTRY CANADA
DATE LOGGED 18 APR 92
No. OF LOGS 1
DEPTH SCALE 1:200

GAMMA RAY NEUTRON

K-FORESTRY 83/3A

BOREHOLE DATA

PERMANENT DATUM GROUND LEVEL
ELEVATION OF P.D. " K.B. " DRILLER "
MEASUREMENTS FROM K.B.
DEPTH REACHED 118m
CASING SHOE 30" 122m
BIT SIZES 1 6 1/2 TO 122m 2
3 4 TO TO
CASING SIZES 1 16"/30" O.D. 2 TO

FLUID DATA

NATURE MUD/AIR
S.G.
LEVEL 2m
VISCOSITY
Rm at meas. temp
B.H.T.

OPERATION DATA

FIRST READING 118m
LAST READING 0m
MATERIAL LOGGED DRILL
UNIT + TRUCK No. 328
ENGINEER
WITNESS

328

EQUIPMENT AND RECORDING DATA

LOG	EQUIPMENT			TAPING			PANEL			CAL COEFF	DEPTHS		
	SONDE	SOURCE	CALIBRATOR	LOG TAPED	RECORD SPEED	DIRECT or REPLAY	SPEED	T.C. SECS	NORM		FROM	TO	INTERVAL
GAMMA	752	-	52	2	7	D	1	2	-	1.0	118	0	118
N-N	10	5787		2	7	D	7	2	.8	-	118	0	118

ADDITIONAL SONDES RUN

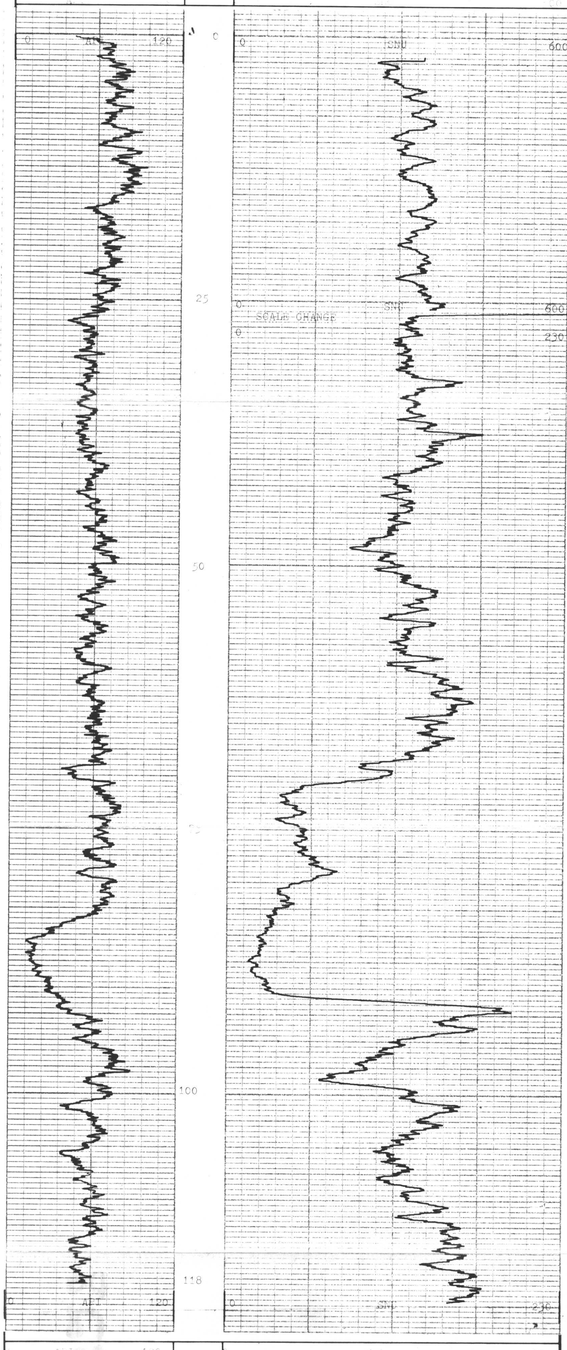
SONDE	LOG	GENERAL SCALE LOG	DETAIL SCALE LOG
0.5 CRAL 150			

REFER TO ADDITIONAL HEADINGS

REMARKS

REFERON SCALE CHANGE AT 23m
ABOVE SCALE 0-600
BELOW SCALE 0-230

DEPTH



DEPTH

BPB

BOREHOLE 1992
CLIENT FORESTRY COAL LTD.
AREA KITIMAT BC
COUNTRY CANADA

MY 9316D R

BPB

GAMMA RAY & NEUTRON-NEUTRON

BOREHOLE 1270
CLIENT FORDING COAL LTD.

AREA KILMARNOCK
COUNTRY CANADA

DEPTH SCALE 1:240

DATE LOGGED 15MAR 83

1 OF 2 LOGS

BOREHOLE DATA

PERMANENT DATUM GROUND LEVEL
ELEVATION OF PD
MEASUREMENTS FROM RT B P B DRILLER
DEPTH REACHED 69 70
CASING SHOE 1.5" 69
BIT SIZES 1 1.5 1/4" TO TD 2 TO
CASING SIZES 3 TO 1 6 5/8" TO 1.5" 2 4 TO

OPERATION DATA

FIRST READING 69m
LAST READING 0m
INTERVAL LOGGED 69m
UNIT - TRUCK No. 34/216
ENGINEER R.M.
WITNESS

MATRIX
S.G.
LEVEL
VISCOSITY 10m
RESISTIVITY (make, temp.)
B.H.T.

FLUID DATA

NATURE NATURAL

328

K-fracture 83(3)A

EQUIPMENT AND RECORDING DATA

LOG	EQUIPMENT			TAPING			PANEL			CAL COEFF	DEPTHS		
	SONDE	SOURCE	CALIBRATOR	LOG TAPE ID	RECORD SPEED	DIRECTV REPLAY	SPEED	TC SECS	NORM		FROM	TO	INTERVAL
GAMMA	780	-	313	Y	7	D	7	2	-	1.6769	0	69	
N-N	61[illegible]-787			Y	7	D	7	2	.94	-	69	0	69

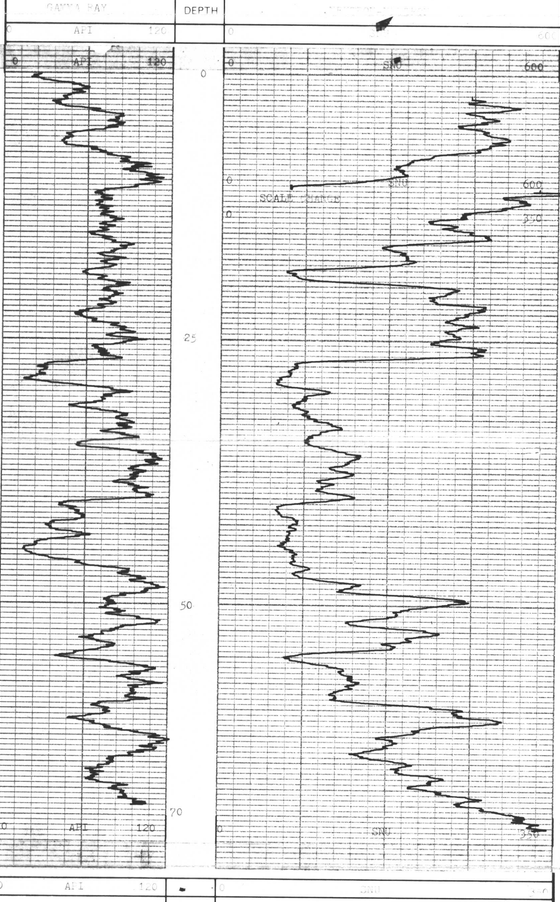
ADDITIONAL SONDES RUN

SONDE	LOG	GENERAL SCALE LOG	DETAIL SCALE LOG
VERTICALITY			

REFER TO ADDITIONAL HEADINGS

REMARKS

NEUTRON SCALE CHANGE AT 10m
ABOVE SCALE 0-600
BELOW SCALE 0-350



GAMMA RAY
API
0
120
DEPTH
NEUTRON-NEUTRON
SNU
600
350

BPB

BOREHOLE 1270
CLIENT FORDING COAL LTD.

AREA KILMARNOCK
COUNTRY CANADA

MY 95160 R

K - Records 8134

GAMMA RAY & NEUTRON-NEUTRON

BOREHOLE 1971
CLIENT FORDING COAL LTD.
AREA KILMARNOCK
COUNTRY CANADA
DATE LOGGED 19 MAR 83
DEPTH SCALE 1:240

OPERATION DATA

RUN NUMBER	1
INTERVAL LOGGED	134m
UNIT / TRUCK No.	3/2412
ENGINEER	R.W.
WITNESS	
FIRST READING	134m
LAST READING	0m
Run at (mph, kmph)	
B.H.T.	
LEVEL	
SALINITY	
NATURE	SANDSTONE
S.G.	
LEVEL	
SALINITY	OIL

FLUID DATA

CASING SIZES	1	6.5/8in 20#
	2	
BIT SIZES	1	5.1/4in
	2	
CASING SHOE	1	134m
	2	
MEASUREMENTS FROM		G.L.
ELEVATION OF KB		0m
PERMANENT DATUM		G.L.
ELEVATION OF P.D.		0m

BOREHOLE DATA

DRILLER

LOG	TAPED	Y
	RECORDED	Y
TAPING	SPEED	7
	DIRECTION	D
	REPLAY	7
PANEL	SPEED	7
	TC SECS	2
	NORM	2
CAL DEFN		
DEPTHS	FROM	134
	TO	0
	INTERVAL	134

EQUIPMENT AND RECORDING DATA

LOG	EQUIPMENT			TAPING			PANEL		CAL DEFN	DEPTHS		
	SONDE	SOURCE	CALIBRATOR	LOG TAPED	RECORD SPEED	DIRECTION REPLAY	SPEED	TC SECS	NORM	FROM	TO	INTERVAL
GAMMA	2810	3132	Y	Y	7	D	7	2	1.624	134	0	134
N-N	2530	6787	-	Y	7	D	7	2	1.594	134	0	134

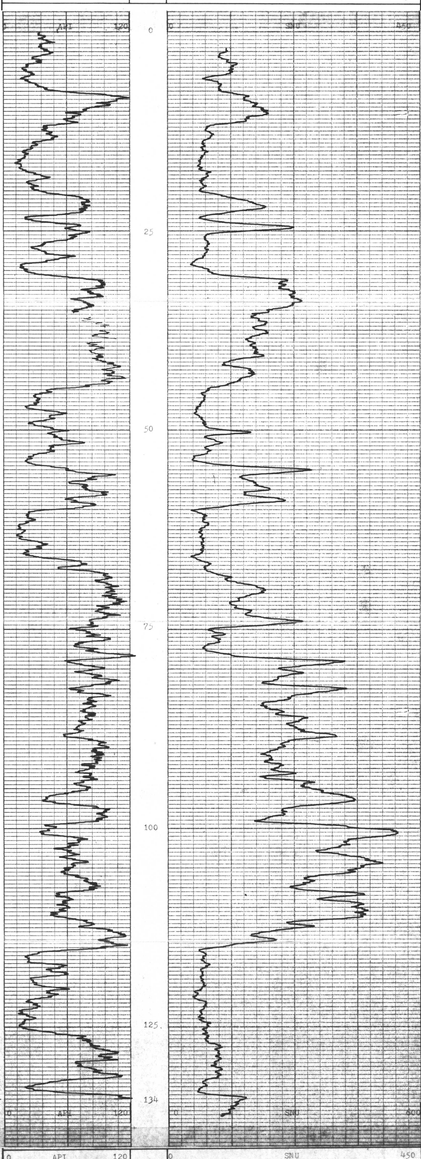
ADDITIONAL SONDES RUN

SONDE	LOG	GENERAL SCALE LOG	DETAIL SCALE LOG

REFER TO ADDITIONAL HEADINGS

REMARKS

GAMMA RAY	DEPTH	NEUTRON-NEUTRON
0 API 120		0 SNU 450



GAMMA RAY	DEPTH	NEUTRON-NEUTRON
0 API 120		0 SNU 450

BOREHOLE 1971
CLIENT FORDING COAL LTD.
AREA KILMARNOCK
COUNTRY CANADA

MY 93160 X

K-formation 83/3A

GAMMA RAY & NEUTRON-NEUTRON

BOREHOLE 1972
CLIENT FORDING COAL LTD.
AREA KILMARNOCK
COUNTRY CANADA
DATE LOGGED 22 MAR 83
DEPTH SCALE 250:1
1 OF 2 LOGS

BOREHOLE DATA

PERMANENT DATUM	GROUND LEVEL				
ELEVATION OF PD	"				
	B P B	DRILLER			
MEASUREMENTS FROM	GL	GL			
DEPTH REACHED	102.2	102.5			
CASING SHOE	102.2	34.4			
BIT SIZES	5" TO TD	2 TO 34.4			
CASING SIZES	1 5/8 TO 34.4	3 TO 4	1 TO 2		

FLUID DATA

NATURE	NATURAL
S.G	
LEVEL	9m
VISCOSITY	
Rm at meas. temp	
B H T	

OPERATION DATA

FIRST READING	100m
LAST READING	0
INTERVAL LOGGED	100m
CONTRACTOR No	35/216
ENGINEER	R.B.
WITNESS	

328

EQUIPMENT AND RECORDING DATA

LOG	EQUIPMENT			TAPING			PANEL			CAL COEFF	DEPTHS		
	SONDE	SOURCE	CALIBRATOR	LOG TAPED	RECORD SPEED	DIRECT or REPLAY	SPEED	T.C. SECS	NORM		FROM	TO	INTERVAL
GAMMA	78D	-	315	Y	7	D	7	2	-	1.67	100	0	100
N-N	2.5D	6787	-	Y	7	D	7	2	.94	-	100	0	100

ADDITIONAL SONDES RUN

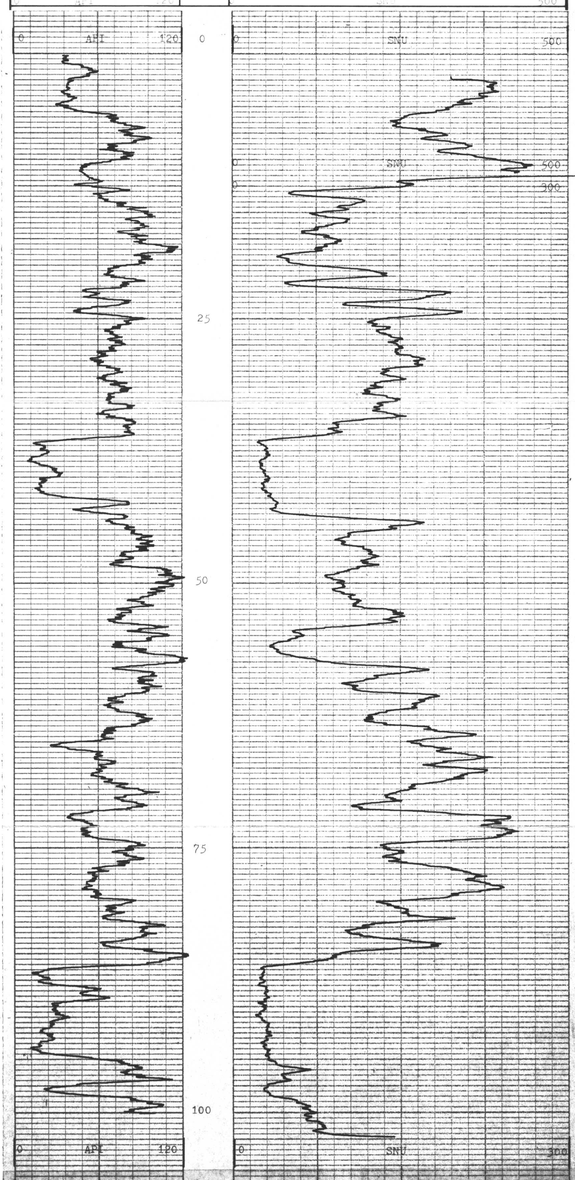
SONDE	LOG	GENERAL SCALE LOG	DETAIL SCALE LOG
VERTICALITY			

REFER TO ADDITIONAL HEADINGS

REMARKS

NEUTRON SCALE CHANGES AT 9M
ABOVE SCALE 0-600
BELOW SCALE 0-300

GAMMA RAY	DEPTH	NEUTRON-NEUTRON
0 API 120		0 SNU 600



0 API 120		0 SNU 300
GAMMA RAY	DEPTH	NEUTRON-NEUTRON

BOREHOLE 1972
CLIENT FORDING COAL LTD.
AREA KILMARNOCK
COUNTRY CANADA

MY 93160 B

CAMMA RAY & NEUTRON-NEUTRON

BOREHOLE 1973
CLIENT FORDING COAL LTD.
AREA KILMARNOCK
COUNTRY CANADA
DATE LOGGED 22 MAR 83
1 OF 2 LOGS
DEPTH SCALE 1:200

BOREHOLE DATA

PERMANENT DATUM	GROUND LEVEL
ELEVATION OF PD	"
MEASUREMENTS FROM	B.P.B.
DEPTH REACHED	91 DRILLER
CASING SHOE	90 91
BIT SIZES	1 3 / 2 4
CASING SIZES	1 6"/150 20m / 2
	TO / TO / TO / TO

FLUID DATA

NATURE	NATURAL
S.G.	
LEVEL	
VISCOSITY	57m
Rm at meas. temp	
B.H.T.	

OPERATION DATA

FIRST READING	87
LAST READING	0
INTERVAL LOGGED	87
UNIT - TRUCK No	31/216
ENGINEER	R.W.
WITNESS	

328

EQUIPMENT AND RECORDING DATA

LOG	EQUIPMENT			TAPING			PANEL			CAL COEFF	DEPTHS		
	SONDE	SOURCE	CALIBRATOR	LOG TAPED	RECORD SPEED	DIRECT or REPLAY	SPEED	T.C. SECS	NORM		FROM	TO	INTERVAL
GAMMA	78D	-	31C	Y	7	D	7	2	-	2.67	87	0	87
N-N	21C	128	-	Y	7	D	7	2	.94	-	87	0	87

ADDITIONAL SONDES RUN

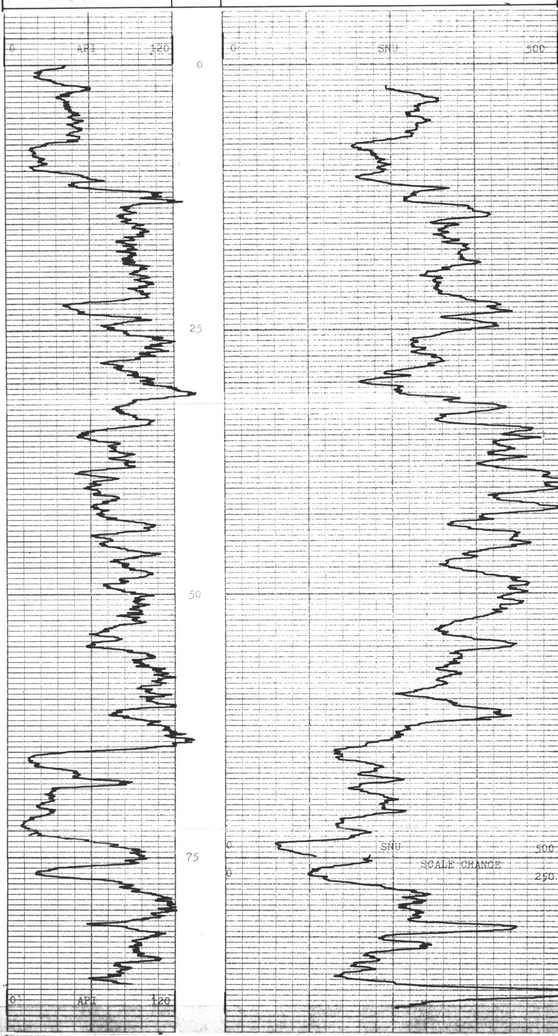
SONDE	LOG	GENERAL SCALE LOG	DETAIL SCALE LOG
VERTICALITY			

REFER TO ADDITIONAL HEADINGS

REMARKS

NEUTRON SCALE CHANGE AT 15m
AERY. COMP. 6-20
HIGH SCALE 6-250

SCALE AT DEPTH



0 API 120		0 SNU 250
GAMMA RAY	DEPTH	NEUTRON-NEUTRON

BOREHOLE 1973
CLIENT FORDING COAL LTD.
AREA KILMARNOCK
COUNTRY CANADA

MY 93160 R

K-freeman 83 GA

K-Fording 83(3)

BPB

GAMMA RAY & NEUTRON-NEUTRON

BOREHOLE 1974
CLIENT FORDING COAL LTD.
AREA KIMMANOCK
COUNTRY CANADA
DATE LOGGED 25 MAR 82
DEPTH SCALE 1:250
1 OF 2 LOGS

BOREHOLE DATA

PERMANENT DATUM
ELEVATION OF P.D. GROUND LEVEL
ft
B P B DRILLER
MEASUREMENTS FROM GL
DEPTH REACHED 112.7 114.5
CASING SHOE 5.4
BIT SIZES 1 5 1/8 TO TD 2
CASING SIZES 1 6 5/8 TO 4' 3 TO 2
2 TO 4 TO

FLUID DATA

NATURE MUD
S G NATURAL
LEVEL
VISCOSITY UNKNOWN
Rm at meas. temp
B H T

OPERATION DATA

FIRST READING 112m
LAST READING 1.0m
INTERVAL LOGGED 111.0m
UNIT / TRUCK No 3 / 216
ENGINEER
WITNESS R.W.

328

EQUIPMENT AND RECORDING DATA

LOG	EQUIPMENT			TAPING			PANEL			CAL COEFF	DEPTHS		
	SONDE	SOURCE	CALIBRATOR	LOG TAPED	RECORD SPEED	DIRECT or REPLAY	SPEED	T.C. SECS	NORM		FROM	TO	INTERVAL
GAMMA	82	-	312	Y	7	D	7	2		1.4	112	0	112
N-N	216	6787	-	Y	7	D	7	2	1.84	-	112	0	112

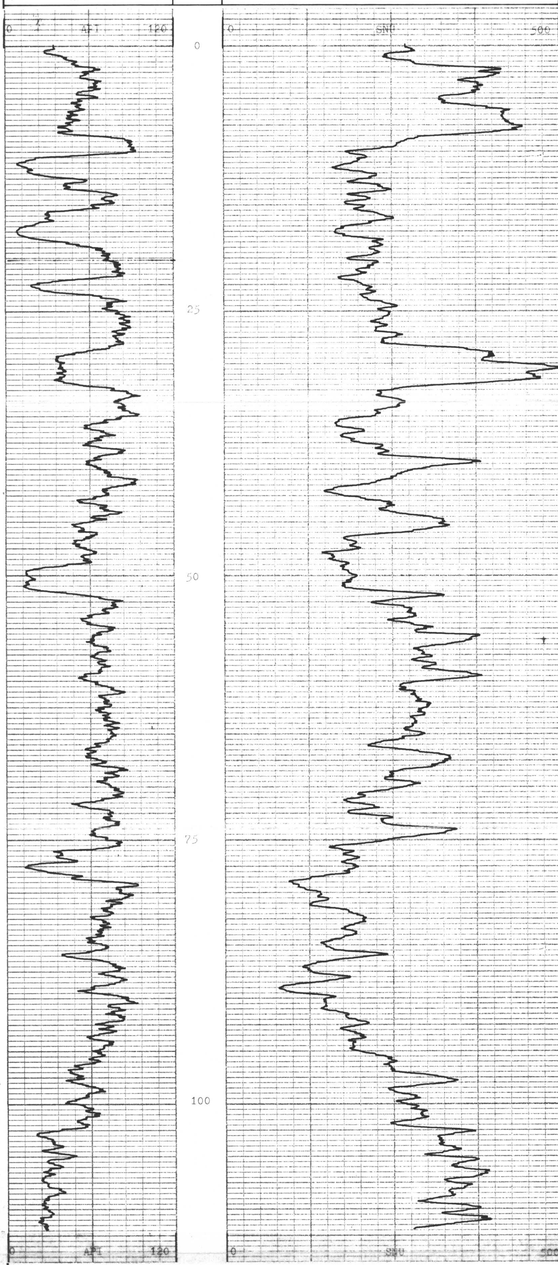
ADDITIONAL SONDES RUN

SONDE	LOG	GENERAL SCALE LOG	DETAIL SCALE LOG

REFER TO ADDITIONAL HEADINGS

REMARKS

DEPTH



GAMMA RAY	DEPTH	NEUTRON-NEUTRON
0 API 120		0 SNP 500

BPB

BOREHOLE 1974
CLIENT FORDING COAL LTD.
AREA KIMMANOCK
COUNTRY CANADA

MY 95160 R

K - Fordonia 83/310

BPB

GAMMA RAY & NEUTRON-NEUTRON

BOREHOLE 1975
CLIENT FORDING COAL LTD.
AREA KITIMAT/DOUGLAS
COUNTRY CANADA
DATE LOGGED 18 MAY 83
RUN NO. 1
DEPTH-DRILLER 1.00
DEPTH-LOGGER 1.008
BTM. LOG INTERVAL 1.008
TOP LOG INTERVAL SURFACE

OPERATION DATA

RIG NO.	165
RECORDED BY	[illegible]
WITNESSED BY	[illegible]
UNIT / TRUCK No.	55/215
LOGGING METHOD	[illegible]

FIRST READING
LAST READING
INTERVAL LOGGED
CASING SHOE
CASING SCHOOL
BIT SIZES
Rec. at mean temp.
Rm at mean temp.
VISCOSITY
PH
FLUID LOSS
MATRIX
FLUID DATA

CASING SIZES 10"/7"/5" 4½" 2⅜"
BIT SIZES 9" 5 7/8" 3¾"
CASING SHOE 1015' 1015' 1015'
CASING SCHOOL 0 0 0
RECORDED BY B P B
WITNESSED BY [illegible]
DEPTH-REACHED 1015 1015 1015
BOREHOLE RECORD 1 2 3
PERMANENT DATUM GROUND LEVEL
ELEVATION KB
DRILLER
LOGGER
MEASURED FROM KB
ELEVATION GL

EQUIPMENT AND RECORDING DATA

LOG	EQUIPMENT			TAPING			PANEL			CAL. CHECK	DEPTHS		
	SONDE	SOURCE	CALIBRATOR	LOG TAPE ID	RECORD SPEED	DIRECT REPLAY	SPEED	TC S/S	NORM		FROM	TO	INTERVAL
GAMMA	980		355	Y	7	D	7	2	-	1.00	185	0	185
N-N	21/D	5787		Y	7	D	7	2	.98	-	185	0	185

ADDITIONAL SONDES RUN

SONDE	LOG	GENERAL SCALE LOG	DETAIL SCALE LOG
VERTICALITY			

REFER TO ADDITIONAL HEADINGS

REMARKS

OPEN HOLE
DIFFERENT SCALES CHANGING AT 175'
ABOVE SCALE 600-2000
BELOW SCALE 0-300

DEPTH

0	API	250	0		300
GAMMA RAY			DEPTH	NEUTRON-NEUTRON	

BPB

BOREHOLE 1975
CLIENT FORDING COAL LTD.
AREA KITIMAT/DOUGLAS
COUNTRY CANADA

MY 93160 E

GAMMA RAY & NEUTRON-NEUTRON

BOREHOLE 1976
CLIENT FORDING COAL LTD.

AREA KITIMAT
COUNTRY CANADA

DATE LOGGED 11 AUG 80

RUN ONE
DEPTH DRILLER 1500
DEPTH LOGGER 1500

OPERATION DATA

RECORDED BY	
WITNESSED BY	
TIME SINCE CIRC.	20hr
MAX. REC. TEMP.	20°C
EQUIP. LOCATION	KITIMAT
RECORDED BY	
WITNESSED BY	

FLUID DATA

SALINITY	FRESH
FLUID LEVEL	0m
MATRIX DENSITY	
FLUID DENSITY	

BOREHOLE DATA

PERMANENT DATUM	GROUND RL
ELEVATION	0 m
LOG MEASURED FROM	DRILLER
DRILLING MEASURED FROM	GL

CASING	SIZE	WEIGHT	GRADE	FROM	TO
CASING DRILLER	13 3/8"	72 lb/ft	H-40	0	1500
CASING LOGGER	12 1/4"	72 lb/ft	H-40	0	1500
BIT SIZE	12 1/4"			1500	

DEPTH REACHED	1500
CASING SHOE	1500

RECORDED SPEED	3
DIRECT REPLAY	N

PANEL

LOG TAPED	Y
SPEED	3
T.C. SECS	7
NORM	-

CAL CURVE

	-

DEPTHS

	FROM	TO
INTVAL	0	1500

TAPING

	LOG TAPED	RECORD SPEED	DIRECT REPLAY
GAMMA	Y	3	D
N-N	Y	3	D

EQUIPMENT

LOG	SONDE	SOURCE	CALIBRATOR
GAMMA	78	-	351
N-N	215	7787	

EQUIPMENT AND RECORDING DATA

ADDITIONAL SONDES RUN

SONDE	LOG	GENERAL SCALE LOG	DETAIL SCALE LOG

REFER TO ADDITIONAL HEADINGS

REMARKS

NEUTRON SCALE CHECK AT 0m
ABOVE SCALE READING
BELOW SCALE CHECK

328

DEPTH

0 GAMMA RAY API 120 | 0 NEUTRON-NEUTRON CNT 250

25 50 75 100 125 150 175 200

BOREHOLE 1976
CLIENT FORDING COAL LTD.
AREA KITIMAT
COUNTRY CANADA

MY 93160 B

GAMMA RAY & NEUTRON-NEUTRON

BOREHOLE 1977
CLIENT FORDING COAL LTD.
AREA KITIMAT
COUNTRY CANADA
DATE LOGGED 30 MAR 83
DEPTH SCALE 1:250
+ OR − LOGS

BOREHOLE DATA

PERMANENT DATUM GROUND LEVEL
ELEVATION OF P.D. " "
MEASUREMENTS FROM RT B " DRILLER
DEPTH REACHED 149 149
CASING SHOE 134' 134'
BIT SIZES 1 15 1/8 TO 210 1 TO
2 TO 2 TO
CASING SIZES 1 16 4/8 TO 201 1 TO
2 TO 2 TO

FLUID DATA

ROTOMIC
SALINITY NATURAL
LEVEL
VISCOSITY 56
Rm at mean temp
Rm f
Rm at mean temp

OPERATION DATA

FIRST READING 140m
LAST READING 10m
MAX. RECORDED TEMP.
UNIT / TRUCK NO.
ENGINEER B.W. 34/016
WITNESS

328

K: Fording Coal

EQUIPMENT AND RECORDING DATA

LOG	EQUIPMENT			TAPING			PANEL		CAL (DEFT)	DEPTHS		
	SONDE	SOURCE	CALIBRATOR	LOG TAPED	RECORD SPEED	DIRECT'N REPLAY	SPEED	T.C. SECS	NORM	FROM	TO	INTERVAL
GAMMA	82	-	37	Y	7	D	7	3	.497	148	0	148
N-N	21	6787		Y	7	D	7	3	.494	148	0	148

ADDITIONAL SONDES RUN

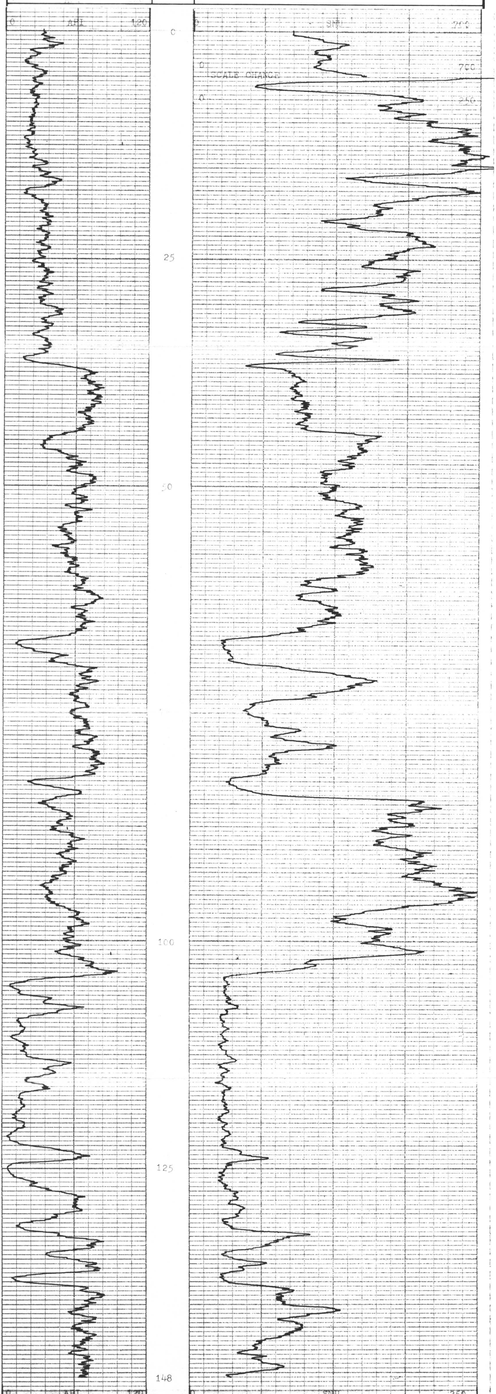
SONDE	LOG	GENERAL SCALE LOG	DETAIL SCALE LOG
VERTICALITY			

REFER TO ADDITIONAL HEADINGS

REMARKS

NEUTRON SCALE CHANGE AT 4m
ARGYLE SCALE 0-700
SUTTON SCALE 0-2.0

DEPTH



GAMMA RAY | DEPTH | NEUTRON-NEUTRON

BOREHOLE 1977
CLIENT FORDING COAL LTD.
AREA KITIMAT
COUNTRY CANADA

MY 93160 R

K-FORDING 83/3A

GAMMA RAY & NEUTRON-NEUTRON

COMPANY FORDING COAL
WELL 1978
FIELD KILMARNOCK
PROVINCE B.C.

COMPANY FORDING COAL LTD.
WELL 1978
FIELD KILMARNOCK
PROVINCE B.C.

Permanent Datum GROUND LEVEL Elev. ____ m.
Log measured from " " m. above P.D
Drilling measured from G.L. m. above P.D.

LSD ____ SEC ____ TWP ____ RGE ____

Run No.	Depth Scale 1:250		
Date	MAY 8/83		
First Reading	73		
Last Reading	0		
Interval Measured	73m		
Casing BPB	4.5m		
Casing Driller	15'		
Depth Reached	75m		
Bottom Driller	75m		
Mud Nature			
S.G. Viscosity			
Bit Size 1	6 5/8 to 4.5m	to	to
2	5 1/8 to TD	to	to
Casing Size 1	6 1/2 to 4.5m	to	to
Rm @ Meas. Temp.	@	@	@
BHT			
Operating Time	1.5hrs		
Truck No.	34/213		
Recorded By	BP		
Witness			

328

EQUIPMENT & RECORDING DATA

LOG	EQUIPMENT SONDE	EQUIPMENT SOURCE	EQUIPMENT CALIB-RATOR	TAPING LOG TAPED	TAPING RECORD SPEED	PANEL DIRECT/ REPLAY	PANEL SPEED	PANEL TC SECS	PANEL NORM.	CAL. COEFF.	DEPTHS FROM	DEPTHS TO	DEPTHS INTERVAL
GAMMA	75	315	Y	7	D	7	2		1.13	73	0	73
N-N	217	7202	181	Y	7	D	7	2		1.13	75	02	73

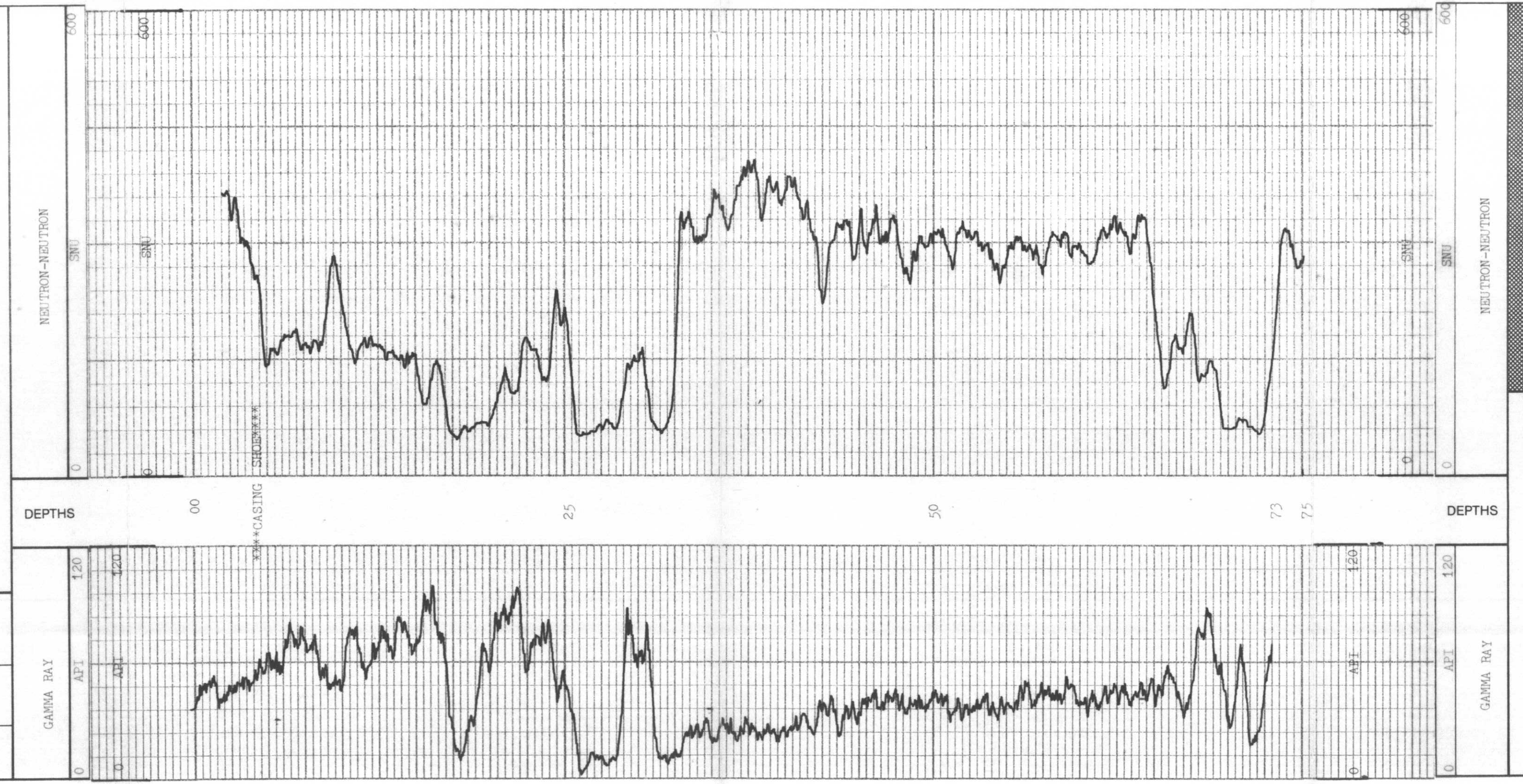
REMARKS

LOGGED IN RODS DETAILS 73-67
35-15

ADDITIONAL SONDES RUN

SONDE	LOG
212	VERT

REFER TO ADDITIONAL HEADINGS



COMPANY FORDING COAL LTD.
WELL " 1978
FIELD KILMARNOCK
PROVINCE B.C.
GROUND ELEVATION

K - Fording 83/3A

COMPANY FORDING COAL
WELL 1979
FIELD KILMARNOCK
PROVINCE B.C.

GAMMA RAY & NEUTRON-NEUTRON

Run No.			
Depth Scale			
Date	30A1 1/80		
First Reading	1450		
Last Reading	0		
Interval Measured	104		
Casing Bit	2m		
Casing Driller	2m		
Depth Reached	106.5		
Bottom Driller	107		
Mud Nature			
S.G. / Viscosity			
Bit Size 1	6 5/8in to 2m		
2	5 1/4in to 70m		
Casing Size 1	5 1/2in to m		
Rm @ Meas. Temp.	@		
BHT	@		
Operating Time	2hrs		
Truck No.	34/243		
Recorded By	BP		
Witness			

328

COMPANY FORDING COAL LTD.
WELL 1979
FIELD KILMARNOCK
PROVINCE B.C.

LSD ____ SEC ____ TWP ____ RGE ____

Permanent Datum GROUND LEVEL Elev. ____ m.
Log measured from ____ " " m. above P.D.
Drilling measured from G.L. m. above P.D.

EQUIPMENT & RECORDING DATA

LOG	EQUIPMENT			TAPING			PANEL			CAL COEFF.	DEPTHS		
	SONDE	SOURCE	CALIB-RATOR	LOG TAPED	RECORD SPEED	DIRECT/ REPLAY	SPEED	TC SECS	NORM.		FROM	TO	INTERVAL
GAMMA	78		315	Y	7	D	7	2		1.53	104	00	104
N-N	217	7202	181	Y	7	D	7	2		1.13	106	02	104

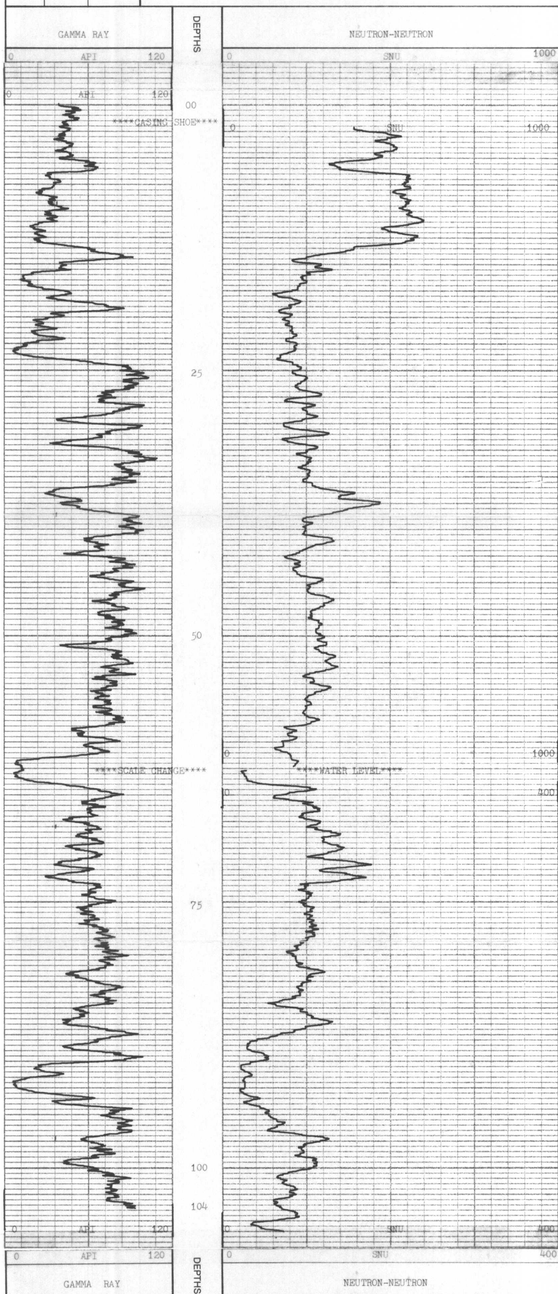
REMARKS

LOGGED IN RODS DETAILS 96-85
66-60
26-14

ADDITIONAL SONDES RUN

SONDE	LOG
212	VERT

REFER TO ADDITIONAL HEADINGS



COMPANY FORDING COAL LTD.
WELL 1979
FIELD KILMARNOCK
PROVINCE B.C.
GROUND ELEVATION ____

K-fee cores 83/13A

Run No.	
Depth Scale	
Date	MAY 13/83
First Reading	96
Last Reading	0
Logged Measured from	
Casing Bottom	96
Casing Driller	96
Depth Reached	99.5m
Bottom Driller	
Mud Nature	WATER
Viscosity	
S.G.	
Bit Size 1	6 3/8" to 96
2	5 1/8" TD
Casing Size 1	6 1/2 to 96
Rm @ Meas. Temp.	@ to @
BHT	@ to @
Operating Time	1hr
Truck No.	34/213
Recorded By	BP
Witness	

COMPANY FORDING COAL LTD.
WELL 1980
FIELD KILMARNOCK
PROVINCE B.C.

LSD SEC TWP RGE

Permanent Datum GROUND LEVEL Elev m.
Log measured from " m. above P.D.
Drilling measured from G.L. " m. above P.D.

COMPANY FORDING COAL LTD.
WELL 1980
FIELD KILMARNOCK
PROVINCE B.C.

GAMMA RAY & NEUTRON-NEUTRON

328

EQUIPMENT & RECORDING DATA

LOG	EQUIPMENT			TAPING			PANEL			CAL COEFF.	DEPTHS		
	SONDE	SOURCE	CALIBRATOR	LOG TAPED	RECORD SPEED	DIRECT/REPLAY	SPEED	TC SECS	NORM.		FROM	TO	INTERVAL
GAMMA	28		315	Y	7	D	7	2		1.53	96	00	96
N-N	217	7202	181	Y	7	D	7	2		1.13	98	02	96

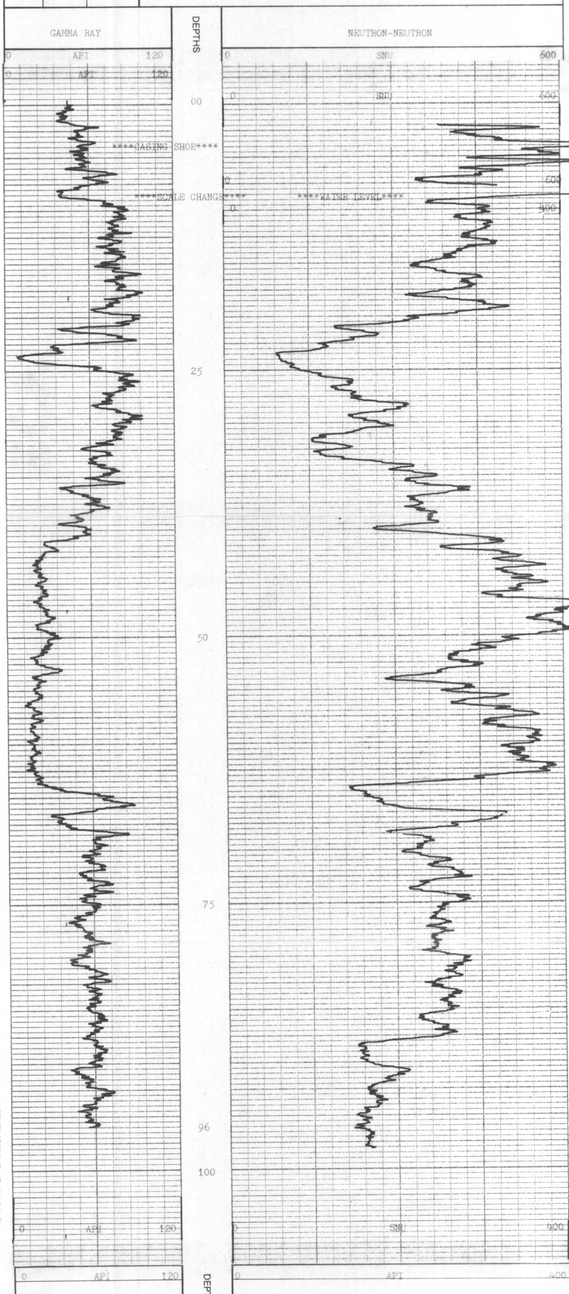
REMARKS

LOGGED IN RODS NO VERTICALITY AS HOLE CAVED AT 0m

ADDITIONAL SONDES RUN

SONDE	LOG

REFER TO ADDITIONAL HEADINGS



COMPANY FORDING COAL LTD.
WELL 1980
FIELD KILMARNOCK
PROVINCE B.C.
GROUND ELEVATION

K-fencorie 83(3)A

COMPANY FORDING COAL

WELL 1981

FIELD KILMARNOCK

PROVINCE B.C.

GAMMA RAY & NEUTRON-NEUTRON

COMPANY FORDING COAL LTD.
WELL 1981
FIELD KILMARNOCK
PROVINCE B.C.

LSD ____ SEC ____ TWP ____ RGE ____

Permanent Datum GROUND LEVEL Elev. ____ m.
Log measured from " " m. above P.D.
Drilling measured from G.L. m. above P.D.

Run No.	
Depth Scale	1:250
Date	MAY 1985
First Reading	100
Last Reading	0
Interval Measured	100
Casing SPB	14m
Casing Driller	14m
Depth Reached	102.5m
Bottom Driller	102.5m
Mud Nature	
S.G. / Viscosity	
Bit Size 1	6 1/8" to 15m
Bit Size 2	5 7/8" to TD
Casing Size 1	6 1/2" to 15m
Rm @ Meas. Temp	@ to @
Rmf @ Meas. Temp	@ to @
Operating Time	1.3hrs
Truck No.	30/215
Recorded By	BP
Witness	

EQUIPMENT & RECORDING DATA

LOG	EQUIPMENT			TAPING			PANEL			CAL COEFF.	DEPTHS		
	SONDE	SOURCE	CALIB-RATOR	LOG TAPED	RECORD SPEED	DIRECT/ REPLAY	SPEED	TC SECS	NORM.		FROM	TO	INTERVAL
GAMMA	28		315	Y	7	D	7	2		1.53	100	00	100
N-N	217	7202	181	Y	7	D	7	2		1.15	102	02	100

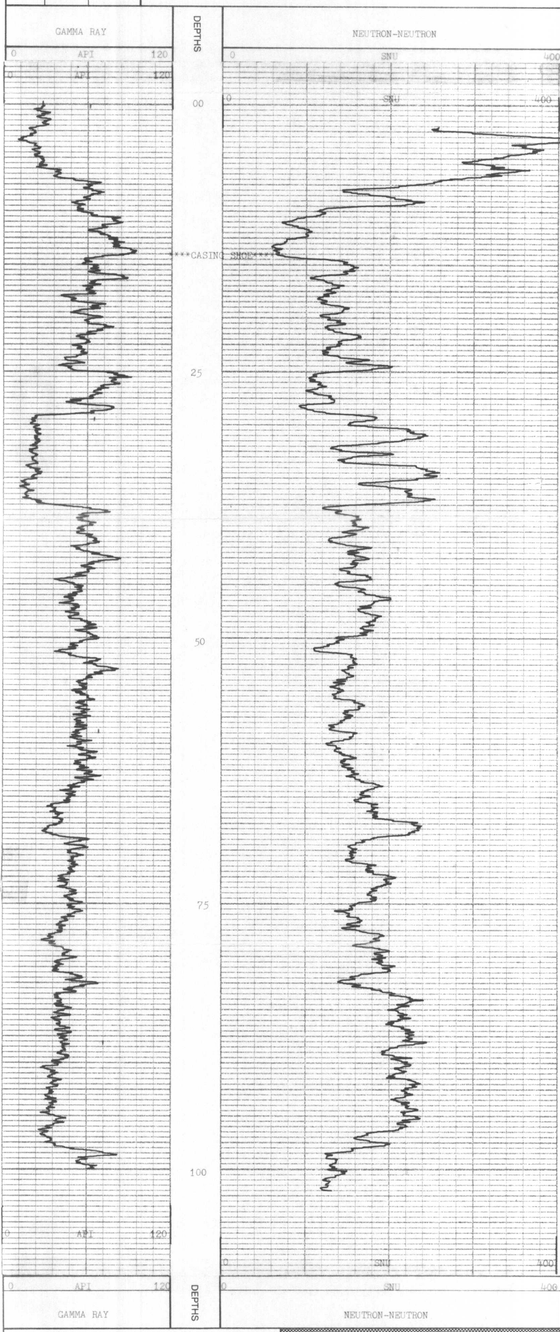
REMARKS

LOGGED IN RODS NO DETAILS

ADDITIONAL SONDES RUN

SONDE	LOG
212	VERT

REFER TO ADDITIONAL HEADINGS



COMPANY FORDING COAL LTD.
WELL 1981
FIELD KILMARNOCK
PROVINCE B.C.
GROUND ELEVATION

K-Fraserview 83/34

COMPANY FORDING COAL
WELL 1982
FIELD KILMARNOCK
PROVINCE B.C.

GAMMA RAY & NEUTRON-NEUTRON

COMPANY FORDING COAL LTD.
WELL 1982
FIELD KILMARNOCK
PROVINCE B.C.

Permanent Datum GROUND LEVEL Elev m.
Log measured from K.B. m. above P.D.
Drilling measured from G.L. m. above P.D.

LSD SEC TWP RGE

Run No.	
Depth Scale	1:250
Date	
First Reading	
Last Reading	98
Interval Measured	98
Casing (DTB)	10m
Casing Driller	10m
Depth Reached	100m
Bottom Driller	100m
Mud Nature	
S.G. / Viscosity	
Bit Size 1	5 5/8 to 16m
2	to to
Casing Size 1	6 1/2 to 16m
2	to to
Rm @ Meas. Temp.	@ @
Rmf @	@ @
Operating Time	1.2hrs
Truck No.	82/21
Recorded By	BP
Witness	

EQUIPMENT & RECORDING DATA

LOG	EQUIPMENT			TAPING			PANEL			CAL. COEFF.	DEPTHS		
	SONDE	SOURCE	CALIB-RATOR	LOG TAPED	RECORD SPEED	DIRECT/ REPLAY	SPEED	TC SECS	NORM.		FROM	TO	INTERVAL
GAMMA	78		315	Y	7	D	7	2		1.53	98	00	98
N-N	217	7202	181	Y	7	D	7	2		1.13	100	02	98

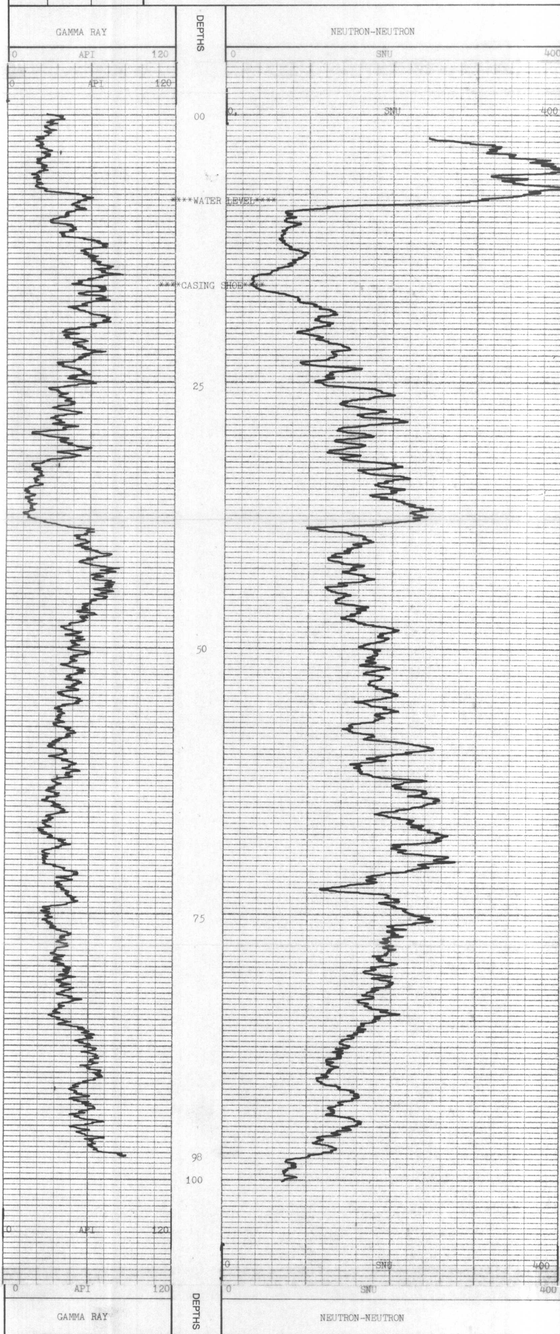
ADDITIONAL SONDES RUN

SONDE	LOG
212	VERT

REFER TO ADDITIONAL HEADINGS

REMARKS

LOGGED IN RODS HOLE EXTENDED 25m TO 100m



COMPANY FORDING COAL LTD.
WELL 1982
FIELD KILMARNOCK
PROVINCE B.C.
GROUND ELEVATION

K-fredina 91-74

COMPANY FORDING COAL
WELL 1983
FIELD KILMARNOCK
PROVINCE B.C.

GAMMA RAY & NEUTRON-NEUTRON

Run No.	
Depth Scale	1:240
Date	MAY 14/83
First Reading	110
Last Reading	0
Interval Measured	110m
Casing Bit	10m
Casing Driller	10m
Depth Reached	113
Bottom Driller	114m
Mud Nature	
S.G. | Viscosity	
Bit Size 1	6 5/8in to 10m
2	5 1/2in to TD
Casing Size 1	6 1/2in @ 10m
2	@
Rm @ Meas. Temp.	@
BHT	
Operating Time	1.5hrs
Truck No.	34/213
Recorded By	BP
Witness	

COMPANY FORDING COAL LTD.
WELL 1983
FIELD KILMARNOCK
PROVINCE B.C.

Permanent Datum GROUND LEVEL Elev. m.
Log measured from " " m. above P.D.
Drilling measured from G.L. m. above P.D.

LSD SEC TWP RGE

328

EQUIPMENT & RECORDING DATA

LOG	EQUIPMENT			TAPING			PANEL			CAL COEFF	DEPTHS		
	SONDE	SOURCE	CALIB-RATOR	LOG TAPED	RECORD SPEED	DIRECT/ REPLAY	SPEED	TC SECS	NORM.		FROM	TO	INTERVAL
GAMMA	78		315	Y	7	D	7	2		1.50	110	00	110
N-N	217	7202	181	Y	7	D	7	2		1.14	112	02	110

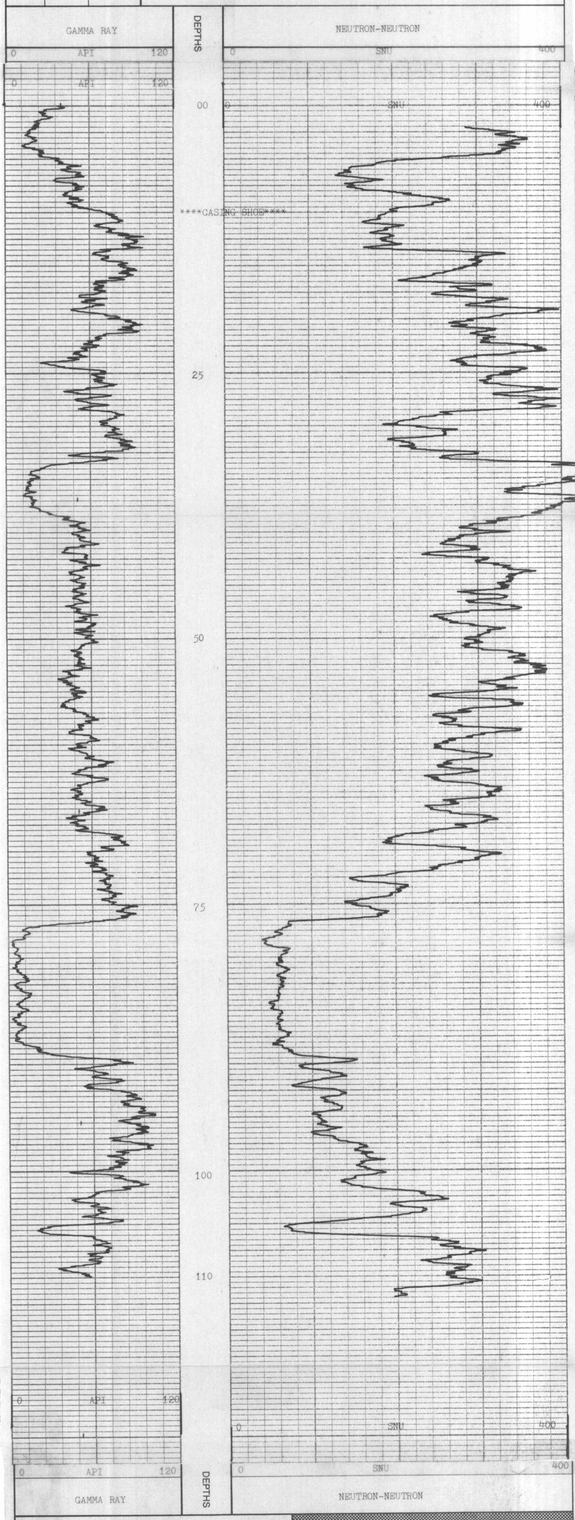
REMARKS

LOGGED IN RODS DETAILS 108-103
91-74

ADDITIONAL SONDES RUN

SONDE	LOG
212	VERT

REFER TO ADDITIONAL HEADINGS



COMPANY FORDING COAL LTD.
WELL 1983
FIELD KILMARNOCK
PROVINCE B.C.
GROUND ELEVATION

RH 1963

```
LOG DEPTH  0100.00
TRUE DEPTH 0099.96
TILT          3.39 DG
BEARING     127.12 DG
NORTHING   -001.20
EASTING    +001.94

LOG DEPTH  0090.00
TRUE DEPTH 0089.98
TILT          2.88 DG
BEARING     122.35 DG
NORTHING   -000.84
EASTING    +001.47

LOG DEPTH  0080.00
TRUE DEPTH 0079.99
TILT          1.81 DG
BEARING     102.01 DG
NORTHING   -000.57
EASTING    +001.05

LOG DEPTH  0070.00
TRUE DEPTH 0070.00
TILT          1.30 DG
BEARING     102.52 DG
NORTHING   -000.50
EASTING    +000.74

LOG DEPTH  0060.00
TRUE DEPTH 0060.00
TILT          1.28 DG
BEARING     108.07 DG
NORTHING   -000.46
EASTING    +000.51

LOG DEPTH  0050.00
TRUE DEPTH 0050.00
TILT          1.14 DG
BEARING     114.13 DG
NORTHING   -000.39
EASTING    +000.30

LOG DEPTH  0040.00
TRUE DEPTH 0040.00
TILT          1.12 DG
BEARING     122.31 DG
NORTHING   -000.30
EASTING    +000.12

LOG DEPTH  0030.00
TRUE DEPTH 0030.00
TILT           .87 DG
BEARING     187.42 DG
NORTHING   -000.20
EASTING    -000.04

LOG DEPTH  0020.00
TRUE DEPTH 0020.00
TILT           .65 DG
BEARING     205.15 DG
NORTHING   -000.05
EASTING    -000.02

LOG DEPTH  0015.00
TRUE DEPTH 0015.00
TILT           .69 DG
BEARING     146.05 DG
NORTHING   +000.00
EASTING    +000.00
```

```
DEPTH   =  0015.00
TILT    =      .69 DG
BEARING =   146.05 DG

DEPTH   =  0020.00
TILT    =      .61 DG
BEARING =   264.26 DG

DEPTH   =  0025.00
TILT    =     1.15 DG
BEARING =    96.83 DG

DEPTH   =  0030.00
TILT    =     1.14 DG
BEARING =   110.58 DG

DEPTH   =  0035.00
TILT    =      .54 DG
BEARING =    83.51 DG

DEPTH   =  0040.00
TILT    =     1.11 DG
BEARING =   134.04 DG

DEPTH   =  0045.00
TILT    =     1.15 DG
BEARING =   113.90 DG

DEPTH   =  0050.00
TILT    =     1.18 DG
BEARING =    94.22 DG

DEPTH   =  0055.00
TILT    =     1.65 DG
BEARING =   116.74 DG

DEPTH   =  0060.00
TILT    =     1.38 DG
BEARING =   121.93 DG

DEPTH   =  0065.00
TILT    =     2.13 DG
BEARING =   102.15 DG

DEPTH   =  0070.00
TILT    =     1.22 DG
BEARING =    83.10 DG

DEPTH   =  0075.00
TILT    =     1.59 DG
BEARING =   113.61 DG

DEPTH   =  0080.00
TILT    =     2.39 DG
BEARING =   120.93 DG

DEPTH   =  0085.00
TILT    =     3.06 DG
BEARING =   122.08 DG

DEPTH   =  0090.00
TILT    =     3.38 DG
BEARING =   123.76 DG

DEPTH   =  0095.00
TILT    =     3.18 DG
BEARING =   134.95 DG

DEPTH   =  0100.00
TILT    =     3.40 DG
BEARING =   130.48 DG

DEPTH   =  0105.00
TILT    =     1.72 DG
BEARING =   197.39 DG
```

```
DATE            830314
JOB NUMBER        1963
LOG LABEL        025.1
MAG 1 MAX          230
MAG 1 MIN          130
MAG 2 MAX          230
MAG 2 MIN          130
MAG 3 MAX          204
MAG 3 MIN          156
L. CELL 1 TILT 1    10
L. CELL 1 CPS 1    271
L. CELL 1 TILT 2   -10
L. CELL 1 CPS 2    166
L. CELL 2 TILT 1    10
L. CELL 2 CPS 1    271
L. CELL 2 TILT 2   -10
L. CELL 2 CPS 2    168

MAG 1 CENTRE       181
MAG 2 CENTRE       179
MAG 3 CENTRE       180
L. CELL 1 CENTRE   221
L. CELL 2 CENTRE   219

MAG DECL            22
STOP DEPTH          15
```

1964

```
LOG DEPTH   0100.00
TRUE DEPTH  0099.89
TILT           3.16 DG
BEARING      282.26 DG
NORTHING    -002.00
EASTING     -003.52

LOG DEPTH   0090.00
TRUE DEPTH  0089.91
TILT           3.36 DG
BEARING      247.65 DG
NORTHING    -002.12
EASTING     -002.98

LOG DEPTH   0080.00
TRUE DEPTH  0079.93
TILT           3.12 DG
BEARING      232.54 DG
NORTHING    -001.89
EASTING     -002.44

LOG DEPTH   0070.00
TRUE DEPTH  0069.94
TILT           2.76 DG
BEARING      234.01 DG
NORTHING    -001.56
EASTING     -002.01

LOG DEPTH   0060.00
TRUE DEPTH  0059.95
TILT           2.85 DG
BEARING      244.14 DG
NORTHING    -001.28
EASTING     -001.62

LOG DEPTH   0050.00
TRUE DEPTH  0049.96
TILT           2.25 DG
BEARING      250.02 DG
NORTHING    -001.06
EASTING     -001.17

LOG DEPTH   0040.00
TRUE DEPTH  0039.97
TILT           2.35 DG
BEARING      233.94 DG
NORTHING    -000.93
EASTING     -000.80

LOG DEPTH   0030.00
TRUE DEPTH  0029.98
TILT           2.47 DG
BEARING      243.56 DG
NORTHING    -000.69
EASTING     -000.47

LOG DEPTH   0020.00
TRUE DEPTH  0019.99
TILT           1.83 DG
BEARING      222.11 DG
NORTHING    -000.49
EASTING     -000.08

LOG DEPTH   0010.00
TRUE DEPTH  0010.00
TILT           1.85 DG
BEARING      153.70 DG
NORTHING    -000.26
EASTING     +000.12
```

```
LOG DEPTH   0001.00
TRUE DEPTH  0001.00
TILT           1.84 DG
BEARING      121.96 DG
NORTHING    +000.00
EASTING     +000.00
```

```
DEPTH    =  0010.00
TILT     =     1.87 DG
BEARING  =   185.44 DG

DEPTH    =  0020.00
TILT     =     1.79 DG
BEARING  =   258.77 DG

DEPTH    =  0030.00
TILT     =     3.14 DG
BEARING  =   228.36 DG

DEPTH    =  0040.00
TILT     =     1.56 DG
BEARING  =   239.53 DG

DEPTH    =  0050.00
TILT     =     2.93 DG
BEARING  =   260.51 DG

DEPTH    =  0060.00
TILT     =     2.77 DG
BEARING  =   227.78 DG

DEPTH    =  0070.00
TILT     =     2.75 DG
BEARING  =   240.24 DG

DEPTH    =  0080.00
TILT     =     3.50 DG
BEARING  =   224.85 DG

DEPTH    =  0090.00
TILT     =     3.21 DG
BEARING  =   270.44 DG

DEPTH    =  0100.00
TILT     =     3.10 DG
BEARING  =   294.07 DG
```

```
DATE          032283
JOB NUMBER      1973
LOG LABEL       025.2
MAG 1 MAX         228
MAG 1 MIN         133
MAG 2 MAX         224
MAG 2 MIN         135
MAG 3 MAX         204
MAG 3 MIN         156
L.CELL 1 TILT 1   06
L.CELL 1 CPS 1   250
L.CELL 1 TILT 2  -06
L.CELL 1 CPS 2   190
L.CELL 2 TILT 1   06
L.CELL 2 CPS 1   251
L.CELL 2 TILT 2  -06
L.CELL 2 CPS 2   189
```

```
MAG 1 CENTRE    180
MAG 2 CENTRE    180
MAG 3 CENTRE    180
L.CELL 1 CENTRE 219
L.CELL 2 CENTRE 235
MAG DECL         21
STOP DEPTH     0001
```

RH 1964

RH 1965

```
LOG DEPTH   0160.00
TRUE DEPTH  0159.42
TILT           7.29 DG
BEARING      102.73 DG
NORTHING    +003.44
EASTING     +010.27

LOG DEPTH   0150.00
TRUE DEPTH  0149.50
TILT           7.18 DG
BEARING       87.86 DG
NORTHING    +003.72
EASTING     +009.03

LOG DEPTH   0140.00
TRUE DEPTH  0139.58
TILT           6.90 DG
BEARING       89.47 DG
NORTHING    +003.67
EASTING     +007.78

LOG DEPTH   0130.00
TRUE DEPTH  0129.65
TILT           6.11 DG
BEARING       83.02 DG
NORTHING    +003.66
EASTING     +006.58

LOG DEPTH   0120.00
TRUE DEPTH  0119.71
TILT           5.49 DG
BEARING       75.55 DG
NORTHING    +003.53
EASTING     +005.52

LOG DEPTH   0110.00
TRUE DEPTH  0109.76
TILT           4.85 DG
BEARING       76.18 DG
NORTHING    +003.29
EASTING     +004.59

LOG DEPTH   0100.00
TRUE DEPTH  0099.80
TILT           4.31 DG
BEARING       85.76 DG
NORTHING    +003.09
EASTING     +003.77

LOG DEPTH   0090.00
TRUE DEPTH  0089.83
TILT           4.52 DG
BEARING       79.89 DG
NORTHING    +003.03
EASTING     +003.02

LOG DEPTH   0080.00
TRUE DEPTH  0079.86
TILT           3.94 DG
BEARING       47.58 DG
NORTHING    +002.89
EASTING     +002.24

LOG DEPTH   0070.00
TRUE DEPTH  0069.88
TILT           3.67 DG
BEARING       29.37 DG
NORTHING    +002.43
EASTING     +001.74

LOG DEPTH   0060.00
TRUE DEPTH  0059.90
TILT           3.99 DG
BEARING       18.83 DG
NORTHING    +001.87
EASTING     +001.42
```

```
LOG DEPTH   0050.00
TRUE DEPTH  0049.92
TILT           3.83 DG
BEARING      358.54 DG
NORTHING    +001.21
EASTING     +001.20

LOG DEPTH   0040.00
TRUE DEPTH  0039.94
TILT           4.31 DG
BEARING       40.92 DG
NORTHING    +000.54
EASTING     +001.21

LOG DEPTH   0030.00
TRUE DEPTH  0029.97
TILT           4.16 DG
BEARING       91.55 DG
NORTHING    -000.01
EASTING     +000.72

LOG DEPTH   0020.00
TRUE DEPTH  0020.00
TILT           3.72 DG
BEARING       94.43 DG
NORTHING    +000.00
EASTING     +000.00
```

```
DEPTH   =   0020.00
TILT    =      3.72 DG
BEARING =     94.43 DG

DEPTH   =   0030.00
TILT    =      4.60 DG
BEARING =     88.68 DG

DEPTH   =   0040.00
TILT    =      4.02 DG
BEARING =    353.16 DG

DEPTH   =   0050.00
TILT    =      3.64 DG
BEARING =      3.92 DG

DEPTH   =   0060.00
TILT    =      4.33 DG
BEARING =     33.74 DG

DEPTH   =   0070.00
TILT    =      3.00 DG
BEARING =     25.00 DG

DEPTH   =   0080.00
TILT    =      4.88 DG
BEARING =     70.16 DG

DEPTH   =   0090.00
TILT    =      4.16 DG
BEARING =     89.62 DG

DEPTH   =   0100.00
TILT    =      4.47 DG
BEARING =     81.89 DG

DEPTH   =   0110.00
TILT    =      5.24 DG
BEARING =     70.47 DG

DEPTH   =   0120.00
TILT    =      5.75 DG
BEARING =     80.63 DG

DEPTH   =   0130.00
TILT    =      6.46 DG
BEARING =     85.42 DG
```

```
DEPTH   =   0140.00
TILT    =      7.34 DG
BEARING =     93.52 DG

DEPTH   =   0150.00
TILT    =      7.03 DG
BEARING =     82.19 DG

DEPTH   =   0160.00
TILT    =      7.55 DG
BEARING =    123.27 DG


DATE              830329
JOB NUMBER          1965
LOG LABEL          025.1
MAG 1 MAX            228
MAG 1 MIN            133
MAG 2 MAX            224
MAG 2 MIN            135
MAG 3 MAX            204
MAG 3 MIN            156
L. CELL 1 TILT 1      10
L. CELL 1 CPS 1      270
L. CELL 1 TILT 2     -10
L. CELL 1 CPS 2      171
L. CELL 2 TILT 1      10
L. CELL 2 CPS 1      270
L. CELL 2 TILT 2     -10
L. CELL 2 CPS 2      171

MAG 1 CENTRE         180
MAG 2 CENTRE         180
MAG 3 CENTRE         180
L. CELL 1 CENTRE     220
L. CELL 2 CENTRE     236

MAG DECL              22
STOP DEPTH            20
```

RH 1966 1 of 2

```
LOG DEPTH   0160.00
TRUE DEPTH 0159.41
TILT           9.02 DG
BEARING       63.61 DG
NORTHING    +005.78
EASTING     +007.41

LOG DEPTH   0150.00
TRUE DEPTH 0149.53
TILT           9.46 DG
BEARING       61.37 DG
NORTHING    +005.09
EASTING     +006.00

LOG DEPTH   0140.00
TRUE DEPTH 0139.67
TILT           7.98 DG
BEARING       63.51 DG
NORTHING    +004.30
EASTING     +004.56

LOG DEPTH   0130.00
TRUE DEPTH 0129.77
TILT           6.98 DG
BEARING       64.58 DG
NORTHING    +003.68
EASTING     +003.31

LOG DEPTH   0120.00
TRUE DEPTH 0119.84
TILT           6.04 DG
BEARING       60.39 DG
NORTHING    +003.16
EASTING     +002.21

LOG DEPTH   0110.00
TRUE DEPTH 0109.90
TILT           4.40 DG
BEARING       51.68 DG
NORTHING    +002.64
EASTING     +001.30

LOG DEPTH   0100.00
TRUE DEPTH 0099.93
TILT           2.64 DG
BEARING       33.28 DG
NORTHING    +002.16
EASTING     +000.70

LOG DEPTH   0090.00
TRUE DEPTH 0089.94
TILT           2.17 DG
BEARING       17.29 DG
NORTHING    +001.77
EASTING     +000.44

LOG DEPTH   0080.00
TRUE DEPTH 0079.95
TILT           1.88 DG
BEARING       26.05 DG
NORTHING    +001.41
EASTING     +000.33

LOG DEPTH   0070.00
TRUE DEPTH 0069.96
TILT           1.45 DG
BEARING       14.12 DG
NORTHING    +001.12
EASTING     +000.19

LOG DEPTH   0060.00
TRUE DEPTH 0059.96
TILT           2.02 DG
BEARING       67.53 DG
NORTHING    +000.87
EASTING     +000.12
```

```
LOG DEPTH   0050.00
TRUE DEPTH 0049.97
TILT           1.52 DG
BEARING      191.92 DG
NORTHING    +000.74
EASTING     -000.19

LOG DEPTH   0040.00
TRUE DEPTH 0039.97
TILT           2.35 DG
BEARING      306.03 DG
NORTHING    +001.00
EASTING     -000.14

LOG DEPTH   0030.00
TRUE DEPTH 0029.98
TILT           2.64 DG
BEARING      355.42 DG
NORTHING    +000.75
EASTING     +000.18

LOG DEPTH   0020.00
TRUE DEPTH 0019.99
TILT           2.14 DG
BEARING       37.14 DG
NORTHING    +000.29
EASTING     +000.22

LOG DEPTH   0010.00
TRUE DEPTH 0010.00
TILT           2.23 DG
BEARING       96.59 DG
NORTHING    +000.00
EASTING     +000.00
```

```
DEPTH    =  0010.00
TILT     =     2.23 DG
BEARING  =    96.59 DG

DEPTH    =  0015.00
TILT     =     2.65 DG
BEARING  =   240.51 DG

DEPTH    =  0020.00
TILT     =     2.06 DG
BEARING  =   337.69 DG

DEPTH    =  0025.00
TILT     =     2.45 DG
BEARING  =    87.21 DG

DEPTH    =  0030.00
TILT     =     3.23 DG
BEARING  =    13.15 DG

DEPTH    =  0035.00
TILT     =     2.74 DG
BEARING  =   298.96 DG

DEPTH    =  0040.00
TILT     =     1.47 DG
BEARING  =   238.91 DG

DEPTH    =  0045.00
TILT     =     1.90 DG
BEARING  =   156.08 DG

DEPTH    =  0050.00
TILT     =     1.57 DG
BEARING  =   144.92 DG
```

```
DEPTH    =  0055.00
TILT     =     3.86 DG
BEARING  =    18.31 DG

DEPTH    =  0060.00
TILT     =     2.46 DG
BEARING  =   350.14 DG

DEPTH    =  0065.00
TILT     =     1.29 DG
BEARING  =   317.94 DG

DEPTH    =  0070.00
TILT     =      .45 DG
BEARING  =    38.11 DG

DEPTH    =  0075.00
TILT     =     3.47 DG
BEARING  =    29.45 DG

DEPTH    =  0080.00
TILT     =     3.31 DG
BEARING  =    13.99 DG

DEPTH    =  0085.00
TILT     =     2.36 DG
BEARING  =    14.18 DG

DEPTH    =  0090.00
TILT     =     1.03 DG
BEARING  =    20.60 DG

DEPTH    =  0095.00
TILT     =     5.63 DG
BEARING  =    72.10 DG

DEPTH    =  0100.00
TILT     =     4.26 DG
BEARING  =    45.95 DG

DEPTH    =  0105.00
TILT     =     5.49 DG
BEARING  =    41.04 DG

DEPTH    =  0110.00
TILT     =     4.55 DG
BEARING  =    57.40 DG

DEPTH    =  0115.00
TILT     =     7.90 DG
BEARING  =    57.71 DG

DEPTH    =  0120.00
TILT     =     7.52 DG
BEARING  =    63.37 DG

DEPTH    =  0125.00
TILT     =     6.11 DG
BEARING  =    64.55 DG

DEPTH    =  0130.00
TILT     =     6.44 DG
BEARING  =    65.79 DG

DEPTH    =  0135.00
TILT     =     8.44 DG
BEARING  =    66.98 DG

DEPTH    =  0140.00
TILT     =     9.52 DG
BEARING  =    61.23 DG

DEPTH    =  0145.00
TILT     =    10.23 DG
BEARING  =    58.09 DG
```

1969

LOG DEPTH	0110.00
TRUE DEPTH	0109.81
TILT	5.29 DG
BEARING	349.01 DG
NORTHING	+005.59
EASTING	-000.04
LOG DEPTH	0100.00
TRUE DEPTH	0099.85
TILT	4.49 DG
BEARING	351.61 DG
NORTHING	+004.68
EASTING	+000.13
LOG DEPTH	0090.00
TRUE DEPTH	0089.88
TILT	3.78 DG
BEARING	351.30 DG
NORTHING	+003.91
EASTING	+000.24
LOG DEPTH	0080.00
TRUE DEPTH	0079.90
TILT	3.81 DG
BEARING	352.89 DG
NORTHING	+003.25
EASTING	+000.34
LOG DEPTH	0070.00
TRUE DEPTH	0069.92
TILT	4.04 DG
BEARING	357.50 DG
NORTHING	+002.59
EASTING	+000.43
LOG DEPTH	0060.00
TRUE DEPTH	0059.94
TILT	3.66 DG
BEARING	352.65 DG
NORTHING	+001.89
EASTING	+000.46
LOG	50.00
TRUE DEPTH	0049.96
TILT	3.36 DG
BEARING	341.90 DG
EASTING	+000.54
LOG DEPTH	0040.00
TRUE DEPTH	0039.98
TILT	2.54 DG
BEARING	358.36 DG
NORTHING	+000.70
EASTING	+000.72
LOG DEPTH	0030.00
TRUE DEPTH	0029.99
TILT	1.94 DG
BEARING	41.45 DG
NORTHING	+000.25
EASTING	+000.73
LOG DEPTH	0020.00
TRUE DEPTH	0020.00
TILT	1.72 DG
BEARING	86.75 DG
NORTHING	+000.00
EASTING	+000.51

LOG DEPTH	0010.00
TRUE DEPTH	0010.00
TILT	1.34 DG
NORTHING	-000.01
EASTING	+000.21
LOG DEPTH	0001.00
TRUE DEPTH	0001.00
TILT	1.45 DG
BEARING	77.71 DG
NORTHING	+000.00
EASTING	+000.00

DEPTH	=	0010.00
TILT	=	1.23 DG
BEARING	=	109.35 DG
DEPTH	=	0020.00
TILT	=	2.22 DG
BEARING	=	64.14 DG
DEPTH	=	0030.00
TILT	=	1.66 DG
BEARING	=	18.75 DG
DEPTH	=	0040.00
TILT	=	3.43 DG
BEARING	=	337.97 DG
DEPTH	=	0050.00
TILT	=	3.29 DG
BEARING	=	345.82 DG
DEPTH	=	0060.00
TILT	=	4.02 DG
BEARING	=	359.49 DG
DEPTH	=	0070.00
TILT	=	4.06 DG
BEARING	=	355.67 DG
DEPTH	=	0080.00
TILT	=	3.55 DG
BEARING	=	350.11 DG
DEPTH	=	0090.00
TILT	=	4.01 DG
BEARING	=	352.49 DG
DEPTH	=	0100.00
TILT	=	4.96 DG
BEARING	=	350.74 DG
DEPTH	=	0110.00
TILT	=	5.61 DG
BEARING	=	347.29 DG

DATE	031683
JOB NUMBER	1863
LOG LABEL	025.3
MAG 1 MAX	230
MAG 1 MIN	130
MAG 2 MAX	230
MAG 2 MIN	130
MAG 3 MAX	204
MAG 3 MIN	156
L. CELL 1 TILT 1	04
L. CELL 1 CPS 1	240
L. CELL 1 TILT 2	-04
L. CELL 1 CPS 2	198
L. CELL 2 TILT 1	04
L. CELL 2 CPS 1	240
L. CELL 2 TILT 2	-04
L. CELL 2 CPS 2	199
MAG 1 CENTRE	182
MAG 2 CENTRE	179
MAG 3 CENTRE	180
L. CELL 1 CENTRE	222
L. CELL 2 CENTRE	222
MAG DECL	21
STOP DEPTH	0001

RH 1969

1972

RH 1972

LOG DEPTH	0100.00
TRUE DEPTH	0099.94
TILT	3.84 DG
BEARING	40.19 DG
NORTHING	+001.24
EASTING	+001.37

LOG DEPTH	0090.00
TRUE DEPTH	0089.96
BEARING	41.61 DG
NORTHING	+000.73
EASTING	+000.94

LOG DEPTH	0080.00
TRUE DEPTH	0079.98
TILT	2.65 DG
BEARING	42.41 DG
NORTHING	+000.30
EASTING	+000.56

LOG DEPTH	0070.00
TRUE DEPTH	0069.99
TILT	1.97 DG
BEARING	42.18 DG
NORTHING	-000.03
EASTING	+000.24

LOG DEPTH	0060.00
TRUE DEPTH	0060.00
TILT	.88 DG
BEARING	82.34 DG
NORTHING	-000.29
EASTING	+000.01

LOG DEPTH	0050.00
TRUE DEPTH	0050.00
TILT	.45 DG
BEARING	194.48 DG
NORTHING	-000.31
EASTING	-000.13

LOG DEPTH	0040.00
TRUE DEPTH	0040.00
TILT	.57 DG
BEARING	241.26 DG
NORTHING	-000.23
EASTING	-000.11

LOG DEPTH	0030.00
TRUE DEPTH	0030.00
TILT	.41 DG
BEARING	198.01 DG
NORTHING	-000.19
EASTING	-000.02

LOG DEPTH	0020.00
TRUE DEPTH	0020.00
TILT	.41 DG
BEARING	189.31 DG
NORTHING	-000.12
EASTING	-000.00

LOG DEPTH	0010.00
TRUE DEPTH	0010.00
TILT	.32 DG
BEARING	172.57 DG
NORTHING	-000.05
EASTING	+000.00

LOG DEPTH	0001.00
TRUE DEPTH	0001.00
TILT	.20 DG
BEARING	146.44 DG
NORTHING	+000.00
EASTING	+000.00

DEPTH =	0010.00
TILT =	.44 DG
BEARING =	198.71 DG

DEPTH =	0020.00
TILT =	.38 DG
BEARING =	179.92 DG

DEPTH =	0030.00
TILT =	.44 DG
BEARING =	216.11 DG

DEPTH =	0040.00
TILT =	.70 DG
BEARING =	266.40 DG

DEPTH =	0050.00
TILT =	.19 DG
BEARING =	122.55 DG

DEPTH =	0060.00
TILT =	1.57 DG
BEARING =	42.13 DG

DEPTH =	0070.00
TILT =	2.37 DG
BEARING =	42.23 DG

DEPTH =	0080.00
TILT =	2.93 DG
BEARING =	42.60 DG

DEPTH =	0090.00
TILT =	3.68 DG
BEARING =	40.61 DG

DEPTH =	0100.00
TILT =	4.01 DG
BEARING =	39.77 DG

DATE	032283
JOB NUMBER	1973
LOG LABEL	025.2
MAG 1 MAX	228
MAG 1 MIN	133
MAG 2 MAX	224
MAG 2 MIN	135
MAG 3 MAX	204
MAG 3 MIN	156
L. CELL 1 TILT 1	06
L. CELL 1 CPS 1	250
L. CELL 1 TILT 2	-06
L. CELL 1 CPS 2	190
L. CELL 2 TILT 1	06
L. CELL 2 CPS 1	251
L. CELL 2 TILT 2	-06
L. CELL 2 CPS 2	189
MAG 1 CENTRE	181
MAG 2 CENTRE	180
MAG 3 CENTRE	180
L. CELL 1 CENTRE	219
L. CELL 2 CENTRE	234
MAG DECL	21
STOP DEPTH	0001

1973

LOG DEPTH	0090.00	
TRUE DEPTH	0089.82	
TILT	6.37	DG
BEARING	57.13	DG
NORTHING	+001.70	
EASTING	+004.26	
LOG DEPTH	0080.00	
TRUE DEPTH	0079.88	
TILT	5.45	DG
BEARING	63.60	DG
NORTHING	+001.10	
EASTING	+003.33	
LOG DEPTH	0070.00	
TRUE DEPTH	0069.93	
TILT	4.30	DG
BEARING	68.27	DG
NORTHING	+000.68	
EASTING	+002.48	
LOG DEPTH	0060.00	
TRUE DEPTH	0059.96	
TILT	3.52	DG
BEARING	70.69	DG
NORTHING	+000.40	
EASTING	+001.78	
LOG DEPTH	0050.00	
TRUE DEPTH	0049.98	
TILT	2.67	DG
BEARING	70.80	DG
NORTHING	+000.20	
EASTING	+001.20	
LOG DEPTH	0040.00	
TRUE DEPTH	0039.99	
TILT	2.00	DG
BEARING	73.35	DG
NORTHING	+000.04	
EASTING	+000.76	
LOG DEPTH	0030.00	
TRUE DEPTH	0030.00	
TILT	1.43	DG
BEARING	64.42	DG
NORTHING	-000.05	
EASTING	+000.43	
LOG DEPTH	0020.00	
TRUE DEPTH	0020.00	
TILT	1.12	DG
BEARING	71.44	DG
NORTHING	-000.15	
EASTING	+000.20	
LOG DEPTH	0010.00	
TRUE DEPTH	0010.00	
TILT	1.42	DG
BEARING	175.13	DG
NORTHING	-000.22	
EASTING	+000.01	
LOG DEPTH	0001.00	
TRUE DEPTH	0001.00	
TILT	1.41	DG
BEARING	259.55	DG
NORTHING	+000.00	
EASTING	+000.00	

DEPTH =	0010.00	
TILT =	1.42	DG
BEARING =	90.70	DG
DEPTH =	0020.00	
TILT =	.82	DG
BEARING =	52.19	DG
DEPTH =	0030.00	
TILT =	2.04	DG
BEARING =	76.65	DG
DEPTH =	0040.00	
TILT =	1.95	DG
BEARING =	70.06	DG
DEPTH =	0050.00	
TILT =	3.39	DG
BEARING =	71.54	DG
DEPTH =	0060.00	
TILT =	3.65	DG
BEARING =	69.84	DG
DEPTH =	0070.00	
TILT =	4.94	DG
BEARING =	66.70	DG
DEPTH =	0080.00	
TILT =	5.97	DG
BEARING =	60.51	DG
DEPTH =	0090.00	
TILT =	6.77	DG
BEARING =	53.75	DG

DATE	032283
JOB NUMBER	1973
LOG LABEL	025.2
MAG 1 MAX	230
MAG 1 MIN	133
MAG 2 MAX	224
MAG 2 MIN	135
MAG 3 MAX	204
MAG 3 MIN	156
L.CELL 1 TILT 1	06
L.CELL 1 CPS 1	250
L.CELL 1 TILT 2	-06
L.CELL 1 CPS 2	190
L.CELL 2 TILT 1	06
L.CELL 2 CPS 1	251
L.CELL 2 TILT 2	-06
L.CELL 2 CPS 2	189
MAG 1 CENTRE	181
MAG 2 CENTRE	180
MAG 3 CENTRE	180
L.CELL 1 CENTRE	221
L.CELL 2 CENTRE	235
MAG DECL	21
STOP DEPTH	0001

RH 1973

1975

LOG DEPTH 0180.00
TRUE DEPTH 0179.86
TILT 4.65 DG
BEARING 139.40 DG
NORTHING +001.44
EASTING -001.17

LOG DEPTH 0170.00
TRUE DEPTH 0169.89
TILT 3.18 DG
BEARING 76.88 DG
NORTHING +002.05
EASTING -001.70

LOG DEPTH 0160.00
TRUE DEPTH 0159.91
TILT 1.72 DG
BEARING 45.09 DG
NORTHING +001.93
EASTING -002.24

LOG DEPTH 0150.00
TRUE DEPTH 0149.91
TILT 1.68 DG
BEARING 8.59 DG
NORTHING +001.72
EASTING -002.45

LOG DEPTH 0140.00
TRUE DEPTH 0139.91
TILT 1.84 DG
BEARING 349.27 DG
NORTHING +001.42
EASTING -002.50

LOG DEPTH 0130.00
TRUE DEPTH 0129.92
TILT 2.20 DG
BEARING 322.39 DG
NORTHING +001.11
EASTING -002.44

LOG DEPTH 0120.00
TRUE DEPTH 0119.93
TILT 2.36 DG
BEARING 305.26 DG
NORTHING +000.80
EASTING -002.20

LOG DEPTH 0110.00
TRUE DEPTH 0109.94
TILT 2.44 DG
BEARING 288.69 DG
NORTHING +000.57
EASTING -001.87

LOG DEPTH 0100.00
TRUE DEPTH 0099.95
TILT 2.62 DG
BEARING 267.04 DG
NORTHING +000.43
EASTING -001.46

LOG DEPTH 0090.00
TRUE DEPTH 0089.96
TILT 2.52 DG
BEARING 268.13 DG
NORTHING +000.45
EASTING -001.01

LOG DEPTH 0080.00
TRUE DEPTH 0079.97
TILT 1.97 DG
BEARING 264.52 DG
NORTHING +000.47
EASTING -000.56

LOG DEPTH 0070.00
TRUE DEPTH 0069.98
TILT 2.01 DG
BEARING 270.52 DG
NORTHING +000.50
EASTING -000.22

LOG DEPTH 0060.00
TRUE DEPTH 0059.99
TILT 2.11 DG
BEARING 308.46 DG
NORTHING +000.50
EASTING +000.12

LOG DEPTH 0050.00
TRUE DEPTH 0050.00
TILT 1.12 DG
BEARING 17.17 DG
NORTHING +000.27
EASTING +000.41

LOG DEPTH 0040.00
TRUE DEPTH 0040.00
TILT .65 DG
BEARING 105.29 DG
NORTHING +000.08
EASTING +000.35

LOG DEPTH 0030.00
TRUE DEPTH 0030.00
TILT .57 DG
BEARING 57.13 DG
NORTHING +000.11
EASTING +000.24

LOG DEPTH 0020.00
TRUE DEPTH 0020.00
TILT .65 DG
BEARING 19.23 DG
NORTHING +000.05
EASTING +000.16

LOG DEPTH 0010.00
TRUE DEPTH 0010.00
TILT .86 DG
BEARING 111.37 DG
NORTHING -000.04
EASTING +000.12

LOG DEPTH 0001.00
TRUE DEPTH 0001.00
TILT .96 DG
BEARING 153.39 DG
NORTHING +000.00
EASTING +000.00

DEPTH = 0010.00
TILT = .76 DG
BEARING = 69.35 DG

DEPTH = 0020.00
TILT = .54 DG
BEARING = 329.12 DG

DEPTH = 0030.00
TILT = .60 DG
BEARING = 145.14 DG

DEPTH = 0040.00
TILT = .69 DG
BEARING = 65.44 DG

DEPTH = 0050.00
TILT = 1.56 DG
BEARING = 328.89 DG

DEPTH = 0060.00
TILT = 2.67 DG
BEARING = 288.04 DG

DEPTH = 0070.00
TILT = 1.36 DG
BEARING = 253.01 DG

DEPTH = 0080.00
TILT = 2.59 DG
BEARING = 276.02 DG

DEPTH = 0090.00
TILT = 2.45 DG
BEARING = 260.24 DG

DEPTH = 0100.00
TILT = 2.79 DG
BEARING = 273.84 DG

DEPTH = 0110.00
TILT = 2.09 DG
BEARING = 303.54 DG

DEPTH = 0120.00
TILT = 2.63 DG
BEARING = 306.98 DG

DEPTH = 0130.00
TILT = 1.77 DG
BEARING = 337.81 DG

DEPTH = 0140.00
TILT = 1.91 DG
BEARING = .74 DG

DEPTH = 0150.00
TILT = 1.45 DG
BEARING = 16.44 DG

DEPTH = 0160.00
TILT = 1.98 DG
BEARING = 73.74 DG

DEPTH = 0170.00
TILT = 4.38 DG
BEARING = 80.02 DG

DEPTH = 0180.00
TILT = 4.92 DG
BEARING = 198.77 DG

RH 1975 - 2 SHEETS

RH 1975

DATE	031683
JOB NUMBER	1863
LOG LABEL	025.3
MAG 1 MIN	130
MAG 2 MAX	230
MAG 2 MIN	130
MAG 3 MAX	206
MAG 3 MIN	156
L. CELL 1 TILT 1	04
L. CELL 1 CPS 1	240
L. CELL 1 TILT 2	-04
L. CELL 1 CPS 2	198
L. CELL 2 TILT 1	04
L. CELL 2 CPS 1	240
L. CELL 2 TILT 2	-04
L. CELL 2 CPS 2	199
MAG 1 CENTRE	181
MAG 2 CENTRE	177
MAG 3 CENTRE	180
L. CELL 1 CENTRE	223
L. CELL 2 CENTRE	221
MAG DECL	21
STOP DEPTH	0001

RH 1976 - 2 SHEETS

1976

LOG DEPTH 0210.00
TRUE DEPTH 0198.47
TILT 25.08 DG
BEARING 89.55 DG
NORTHING +013.11
EASTING +058.50

LOG DEPTH 0200.00
TRUE DEPTH 0189.41
TILT 26.21 DG
BEARING 87.57 DG
NORTHING +013.07
EASTING +054.26

LOG DEPTH 0190.00
TRUE DEPTH 0180.44
TILT 26.60 DG
BEARING 82.96 DG
NORTHING +012.89
EASTING +049.85

LOG DEPTH 0180.00
TRUE DEPTH 0171.50
TILT 25.36 DG
BEARING 85.93 DG
NORTHING +012.34
EASTING +045.40

LOG DEPTH 0170.00
TRUE DEPTH 0162.46
TILT 23.48 DG
BEARING 89.63 DG
NORTHING +012.04
EASTING +041.13

LOG DEPTH 0160.00
TRUE DEPTH 0153.29
TILT 24.41 DG
BEARING 82.77 DG
NORTHING +012.01
EASTING +037.15

LOG DEPTH 0150.00
TRUE DEPTH 0144.18
TILT 26.24 DG
BEARING 74.19 DG
NORTHING +011.49
EASTING +033.05

LOG DEPTH 0140.00
TRUE DEPTH 0135.21
TILT 23.66 DG
BEARING 76.52 DG
NORTHING +010.29
EASTING +028.79

LOG DEPTH 0130.00
TRUE DEPTH 0126.05
TILT 22.64 DG
BEARING 76.12 DG
NORTHING +009.35
EASTING +024.89

LOG DEPTH 0120.00
TRUE DEPTH 0116.82
TILT 22.21 DG
BEARING 73.06 DG
NORTHING +008.43
EASTING +021.15

LOG DEPTH 0110.00
TRUE DEPTH 0107.56
TILT 20.27 DG
BEARING 70.47 DG
NORTHING +007.33
EASTING +017.53

LOG DEPTH 0100.00
TRUE DEPTH 0098.18
TILT 18.23 DG
BEARING 69.21 DG
NORTHING +006.17
EASTING +014.27

LOG DEPTH 0090.00
TRUE DEPTH 0088.68
TILT 15.93 DG
BEARING 70.27 DG
NORTHING +005.06
EASTING +011.34

LOG DEPTH 0080.00
TRUE DEPTH 0079.06
TILT 14.42 DG
BEARING 69.31 DG
NORTHING +004.13
EASTING +008.76

LOG DEPTH 0070.00
TRUE DEPTH 0069.38
TILT 13.56 DG
BEARING 64.53 DG
NORTHING +003.25
EASTING +006.43

LOG DEPTH 0060.00
TRUE DEPTH 0059.66
TILT 11.31 DG
BEARING 65.81 DG
NORTHING +002.24
EASTING +004.31

LOG DEPTH 0050.00
TRUE DEPTH 0049.85
TILT 7.98 DG
BEARING 72.43 DG
NORTHING +001.44
EASTING +002.52

LOG DEPTH 0040.00
TRUE DEPTH 0039.95
TILT 4.83 DG
BEARING 71.14 DG
NORTHING +001.02
EASTING +001.20

LOG DEPTH 0030.00
TRUE DEPTH 0029.99
TILT 2.55 DG
BEARING 51.80 DG
NORTHING +000.75
EASTING +000.40

LOG DEPTH 0020.00
TRUE DEPTH 0020.00
TILT 1.47 DG
BEARING 20.17 DG
NORTHING +000.47
EASTING +000.05

LOG DEPTH 0010.00
TRUE DEPTH 0010.00
TILT 1.51 DG
BEARING 351.39 DG
NORTHING +000.23
EASTING -000.03

LOG DEPTH 0001.00
TRUE DEPTH 0001.00
TILT 1.48 DG
BEARING 339.44 DG
NORTHING +000.00
EASTING +000.00

DEPTH = 0010.00
TILT = 1.54 DG
BEARING = 3.35 DG

DEPTH = 0020.00
TILT = 1.39 DG
BEARING = 36.99 DG

DEPTH = 0030.00
TILT = 3.71 DG
BEARING = 66.61 DG

DEPTH = 0040.00
TILT = 5.96 DG
BEARING = 75.66 DG

DEPTH = 0050.00
TILT = 10.00 DG
BEARING = 69.20 DG

DEPTH = 0060.00
TILT = 12.62 DG
BEARING = 62.42 DG

DEPTH = 0070.00
BEARING = 66.63 DG

DEPTH = 0080.00
TILT = 14.34 DG
BEARING = 71.98 DG

DEPTH = 0090.00
TILT = 17.52 DG
BEARING = 68.56 DG

DEPTH = 0100.00
TILT = 18.93 DG
BEARING = 69.86 DG

DEPTH = 0110.00
TILT = 21.61 DG
BEARING = 71.07 DG

DEPTH = 0120.00
TILT = 22.80 DG
BEARING = 75.05 DG

DEPTH = 0130.00
TILT = 22.47 DG
BEARING = 77.20 DG

DEPTH = 0140.00
TILT = 24.85 DG
BEARING = 75.84 DG

DEPTH = 0150.00
TILT = 27.63 DG
BEARING = 72.54 DG

DEPTH = 0160.00
TILT = 21.19 DG
BEARING = 93.00 DG

DEPTH = 0170.00
TILT = 25.76 DG
BEARING = 86.26 DG

AH 1576

```
DEPTH    =  0180.00
TILT     =    24.95 DG
BEARING  =    85.60 DG

DEPTH    =  0190.00
TILT     =    28.25 DG
BEARING  =    80.31 DG

DEPTH    =  0200.00
TILT     =    24.18 DG
BEARING  =    94.82 DG

DEPTH    =  0210.00
TILT     =    25.98 DG
BEARING  =    84.28 DG




DATE          031683
JOB NUMBER      1863
LOG LABEL        025.3
MAG 1 MAX         230
MAG 1 MIN         130
MAG 2 MAX         230
MAG 2 MIN         130
MAG 3 MAX         204
MAG 3 MIN         156
L.CELL 1 TILT 1   04
L.CELL 1 CPS 1   240
L.CELL 1 TILT 2  -04
L.CELL 1 CPS 2   198
L.CELL 2 TILT 1   04
L.CELL 2 CPS 1   240
L.CELL 2 TILT 2  -04
L.CELL 2 CPS 2   199

MAG 1 CENTRE     181
MAG 2 CENTRE     177
MAG 3 CENTRE     180
L.CELL 1 CENTRE  223
L.CELL 2 CENTRE  221

MAG DECL          22
STOP DEPTH      0001
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RH 1977

LOG DEPTH	0140.00
TRUE DEPTH	0139.94
TILT	2.71 DG
BEARING	249.15 DG
NORTHING	-000.71
EASTING	-003.61
LOG DEPTH	0130.00
TRUE DEPTH	0129.95
TILT	2.49 DG
BEARING	292.08 DG
NORTHING	-000.54
EASTING	-003.16
LOG DEPTH	0120.00
TRUE DEPTH	0119.96
TILT	1.81 DG
BEARING	277.04 DG
NORTHING	-000.71
EASTING	-002.76
LOG DEPTH	0110.00
TRUE DEPTH	0109.97
TILT	2.04 DG
BEARING	233.25 DG
NORTHING	-000.75
EASTING	-002.45
LOG DEPTH	0100.00
TRUE DEPTH	0099.98
TILT	2.64 DG
BEARING	207.34 DG
NORTHING	-000.53
EASTING	-002.16
LOG DEPTH	0090.00
TRUE DEPTH	0089.99
TILT	2.04 DG
BEARING	220.11 DG
NORTHING	-000.42
EASTING	-001.95
LOG DEPTH	0080.00
TRUE DEPTH	0080.00
TILT	1.27 DG
BEARING	252.81 DG
NORTHING	+000.14
EASTING	-001.72
LOG DEPTH	0070.00
TRUE DEPTH	0070.00
TILT	1.23 DG
BEARING	277.15 DG
NORTHING	+000.21
EASTING	-001.51
LOG DEPTH	0060.00
TRUE DEPTH	0060.00
TILT	1.29 DG
BEARING	275.75 DG
NORTHING	+000.18
EASTING	-001.29
LOG DEPTH	0050.00
TRUE DEPTH	0050.00
TILT	1.49 DG
BEARING	274.26 DG
NORTHING	+000.16
EASTING	-001.07
LOG DEPTH	0040.00
TRUE DEPTH	0040.00
TILT	1.32 DG
BEARING	275.36 DG
NORTHING	+000.14
EASTING	-000.81

LOG DEPTH	0030.00
TRUE DEPTH	0030.00
TILT	1.60 DG
BEARING	283.00 DG
NORTHING	+000.12
EASTING	-000.58
LOG DEPTH	0020.00
TRUE DEPTH	0020.00
TILT	1.80 DG
BEARING	280.61 DG
NORTHING	+000.05
EASTING	-000.31
LOG DEPTH	0010.00
TRUE DEPTH	0010.00
TILT	1.62 DG
BEARING	266.66 DG
NORTHING	+000.00
EASTING	+000.00

DEPTH =	0010.00
TILT =	1.62 DG
BEARING =	266.66 DG
DEPTH =	0020.00
TILT =	1.98 DG
BEARING =	294.56 DG
DEPTH =	0030.00
TILT =	1.22 DG
BEARING =	271.44 DG
DEPTH =	0040.00
TILT =	1.41 DG
BEARING =	279.27 DG
DEPTH =	0050.00
TILT =	1.57 DG
BEARING =	269.26 DG
DEPTH =	0060.00
TILT =	1.01 DG
BEARING =	282.24 DG
DEPTH =	0070.00
TILT =	1.45 DG
BEARING =	272.06 DG
DEPTH =	0080.00
TILT =	1.08 DG
BEARING =	233.55 DG
DEPTH =	0090.00
TILT =	3.00 DG
BEARING =	206.68 DG
DEPTH =	0100.00
TILT =	2.28 DG
BEARING =	208.00 DG
DEPTH =	0110.00
TILT =	1.80 DG
BEARING =	258.51 DG
DEPTH =	0120.00
TILT =	1.81 DG
BEARING =	295.57 DG
DEPTH =	0130.00
TILT =	3.16 DG
BEARING =	288.60 DG
DEPTH =	0140.00
TILT =	2.25 DG
BEARING =	209.70 DG

DATE	830330
JOB NUMBER	1977
LOG LABEL	025.1
MAG 1 MAX	228
MAG 1 MIN	133
MAG 2 MAX	224
MAG 2 MIN	135
MAG 3 MAX	204
MAG 3 MIN	156
L. CELL 1 TILT 1	10
L. CELL 1 CPS 1	270
L. CELL 1 TILT 2	-10
L. CELL 1 CPS 2	171
L. CELL 2 TILT 1	10
L. CELL 2 CPS 1	270
L. CELL 2 TILT 2	-10
L. CELL 2 CPS 2	171
MAG 1 CENTRE	181
MAG 2 CENTRE	179
MAG 3 CENTRE	180
L. CELL 1 CENTRE	220
L. CELL 2 CENTRE	235
MAG DEC.	22
STOP DEPTH	10

RH 1979

LOG DEPTH	0100.00
TRUE DEPTH	0099.62
TILT	8.09 DG
BEARING	317.24 DG
NORTHING	+006.38
EASTING	-003.25
LOG DEPTH	0090.00
TRUE DEPTH	0089.72
TILT	7.78 DG
BEARING	322.35 DG
NORTHING	+005.35
EASTING	-002.29
LOG DEPTH	0080.00
TRUE DEPTH	0079.81
TILT	6.96 DG
BEARING	327.45 DG
NORTHING	+004.27
EASTING	-001.47
LOG DEPTH	0070.00
TRUE DEPTH	0069.88
TILT	5.87 DG
BEARING	331.29 DG
NORTHING	+003.25
EASTING	-000.81
LOG DEPTH	0060.00
TRUE DEPTH	0059.93
TILT	5.14 DG
BEARING	334.94 DG
NORTHING	+002.36
EASTING	-000.32
LOG DEPTH	0050.00
TRUE DEPTH	0049.97
TILT	3.76 DG
BEARING	342.71 DG
NORTHING	+001.54
EASTING	+000.05
LOG DEPTH	0040.00
TRUE DEPTH	0039.99
TILT	2.36 DG
BEARING	1.94 DG
NORTHING	+000.92
EASTING	+000.24
LOG DEPTH	0030.00
TRUE DEPTH	0030.00
TILT	1.58 DG
BEARING	26.39 DG
NORTHING	+000.50
EASTING	+000.23
LOG DEPTH	0020.00
TRUE DEPTH	0020.00
TILT	1.18 DG
BEARING	26.46 DG
NORTHING	+000.26
EASTING	+000.10
LOG DEPTH	0010.00
TRUE DEPTH	0010.00
TILT	.88 DG
BEARING	12.64 DG
NORTHING	+000.07
EASTING	+000.01
LOG DEPTH	0005.00
TRUE DEPTH	0005.00
TILT	.81 DG
BEARING	10.29 DG
NORTHING	+000.00
EASTING	+000.00

DEPTH =	0005.00
TILT =	.81 DG
BEARING =	10.29 DG
DEPTH =	0010.00
TILT =	.96 DG
BEARING =	14.99 DG
DEPTH =	0015.00
TILT =	1.41 DG
BEARING =	10.87 DG
DEPTH =	0020.00
TILT =	1.41 DG
BEARING =	37.94 DG
DEPTH =	0025.00
TILT =	.86 DG
BEARING =	12.55 DG
DEPTH =	0030.00
TILT =	1.76 DG
BEARING =	14.84 DG
DEPTH =	0035.00
TILT =	1.90 DG
BEARING =	5.46 DG
DEPTH =	0040.00
TILT =	2.96 DG
BEARING =	349.04 DG
DEPTH =	0045.00
TILT =	4.00 DG
BEARING =	344.13 DG
DEPTH =	0050.00
TILT =	4.57 DG
BEARING =	336.39 DG
DEPTH =	0055.00
TILT =	4.88 DG
BEARING =	338.31 DG
DEPTH =	0060.00
TILT =	5.71 DG
BEARING =	333.49 DG
DEPTH =	0065.00
TILT =	4.40 DG
BEARING =	308.73 DG
DEPTH =	0070.00
TILT =	6.02 DG
BEARING =	329.08 DG
DEPTH =	0075.00
TILT =	6.26 DG
BEARING =	324.14 DG
DEPTH =	0080.00
TILT =	7.89 DG
BEARING =	325.81 DG
DEPTH =	0085.00
TILT =	6.25 DG
BEARING =	309.12 DG
DEPTH =	0090.00
TILT =	7.66 DG
BEARING =	318.90 DG

DEPTH =	0095.00
TILT =	7.76 DG
BEARING =	299.59 DG
DEPTH =	0100.00
TILT =	8.52 DG
BEARING =	315.58 DG
DEPTH =	0105.00
TILT =	7.91 DG
BEARING =	301.39 DG

DATE	051183
JOB NUMBER	1979
LOG LABEL	026.1
MAG 1 MAX	230
MAG 1 MIN	131
MAG 2 MAX	228
MAG 2 MIN	131
MAG 3 MAX	205
MAG 3 MIN	155
L.CELL 1 TILT 1	20
L.CELL 1 CPS 1	321
L.CELL 1 TILT 2	-20
L.CELL 1 CPS 2	116
L.CELL 2 TILT 1	20
L.CELL 2 CPS 1	323
L.CELL 2 TILT 2	-20
L.CELL 2 CPS 2	110
MAG 1 CENTRE	179
MAG 2 CENTRE	183
MAG 3 CENTRE	180
L.CELL 1 CENTRE	221
L.CELL 2 CENTRE	220
MAG DECL	021
STOP DEPTH	0005

RH 1981

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LOG DEPTH  0100.00
TRUE DEPTH 0099.88
TILT          2.97 DG
BEARING      74.37 DG
NORTHING   +000.33
EASTING    +004.57

LOG DEPTH  0090.00
TRUE DEPTH 0089.89
TILT          2.81 DG
BEARING      72.87 DG
NORTHING   +000.19
EASTING    +004.07

LOG DEPTH  0080.00
TRUE DEPTH 0079.90
TILT          2.88 DG
BEARING      80.45 DG
NORTHING   +000.05
EASTING    +003.60

LOG DEPTH  0070.00
TRUE DEPTH 0069.91
TILT          2.84 DG
BEARING      85.93 DG
NORTHING   -000.03
EASTING    +003.10

LOG DEPTH  0060.00
TRUE DEPTH 0059.92
TILT          3.50 DG
BEARING      87.30 DG
NORTHING   -000.06
EASTING    +002.61

LOG DEPTH  0050.00
TRUE DEPTH 0049.94
TILT          3.97 DG
BEARING      92.03 DG
NORTHING   -000.09
EASTING    +002.00

LOG DEPTH  0040.00
TRUE DEPTH 0039.96
TILT          3.80 DG
BEARING      95.72 DG
NORTHING   -000.07
EASTING    +001.30

LOG DEPTH  0030.00
TRUE DEPTH 0029.98
TILT          3.70 DG
BEARING      90.41 DG
NORTHING   -000.00
EASTING    +000.64

LOG DEPTH  0020.00
TRUE DEPTH 0020.00
TILT          3.50 DG
BEARING      86.67 DG
NORTHING   +000.00
EASTING    +000.00
```

```
DEPTH    =  0020.00
TILT     =     3.50 DG
BEARING  =    86.67 DG

DEPTH    =  0025.00
TILT     =     3.92 DG
BEARING  =    92.37 DG

DEPTH    =  0030.00
TILT     =     3.90 DG
BEARING  =    94.15 DG

DEPTH    =  0035.00
TILT     =     3.82 DG
BEARING  =    95.17 DG

DEPTH    =  0040.00
TILT     =     3.70 DG
BEARING  =    97.29 DG

DEPTH    =  0045.00
TILT     =     3.72 DG
BEARING  =    93.17 DG

DEPTH    =  0050.00
TILT     =     4.25 DG
BEARING  =    86.78 DG

DEPTH    =  0055.00
TILT     =     3.55 DG
BEARING  =    88.72 DG

DEPTH    =  0060.00
TILT     =     2.75 DG
BEARING  =    87.82 DG

DEPTH    =  0065.00
TILT     =     3.55 DG
BEARING  =    77.96 DG

DEPTH    =  0070.00
TILT     =     2.93 DG
BEARING  =    84.04 DG

DEPTH    =  0075.00
TILT     =     3.13 DG
BEARING  =    69.60 DG

DEPTH    =  0080.00
TILT     =     2.83 DG
BEARING  =    76.86 DG

DEPTH    =  0085.00
TILT     =     2.73 DG
BEARING  =    67.34 DG

DEPTH    =  0090.00
TILT     =     2.78 DG
BEARING  =    68.88 DG

DEPTH    =  0095.00
TILT     =     3.46 DG
BEARING  =    52.79 DG

DEPTH    =  0100.00
TILT     =     3.15 DG
BEARING  =    79.85 DG
```

```
DATE          051383
JOB NUMBER      1981
LOG LABEL       026.1
MAG 1 MAX       230
MAG 1 MIN       131
MAG 2 MAX       228
MAG 2 MIN       131
MAG 3 MAX       205
MAG 3 MIN       155
L.CELL 1 TILT 1  20
L.CELL 1 CPS 1  321
L.CELL 1 TILT 2 -20
L.CELL 1 CPS 2  116
L.CELL 2 TILT 1  20
L.CELL 2 CPS 1  323
L.CELL 2 TILT 2 -20
L.CELL 2 CPS 2  110

MAG 1 CENTRE    182
MAG 2 CENTRE    178
MAG 3 CENTRE    180
TRE 223
                    L.CEI
L.CELL 2 CENTRE 220

MAG DECL        021
STOP DEPTH       20
```

RH 1982

LOG DEPTH	0100.00
TRUE DEPTH	0099.67
TILT	7.55 DG
BEARING	291.11 DG
NORTHING	+002.09
EASTING	-005.31
LOG DEPTH	0090.00
TRUE DEPTH	0089.76
TILT	7.23 DG
BEARING	295.24 DG
NORTHING	+001.62
EASTING	-004.09
LOG DEPTH	0080.00
TRUE DEPTH	0079.84
TILT	7.06 DG
BEARING	292.43 DG
NORTHING	+001.08
EASTING	-002.95
LOG DEPTH	0070.00
TRUE DEPTH	0069.92
TILT	6.24 DG
BEARING	286.13 DG
NORTHING	+000.62
EASTING	-001.81
LOG DEPTH	0060.00
TRUE DEPTH	0059.98
TILT	3.79 DG
BEARING	290.86 DG
NORTHING	+000.31
EASTING	-000.77
LOG DEPTH	0050.00
TRUE DEPTH	0050.00
TILT	1.52 DG
BEARING	309.16 DG
NORTHING	+000.08
EASTING	-000.15
LOG DEPTH	0040.00
TRUE DEPTH	0040.00
TILT	.68 DG
BEARING	236.35 DG
NORTHING	-000.08
EASTING	+000.05
LOG DEPTH	0030.00
TRUE DEPTH	0030.00
TILT	.68 DG
BEARING	117.73 DG
NORTHING	-000.01
EASTING	+000.15
LOG DEPTH	0020.00
TRUE DEPTH	0020.00
TILT	.68 DG
BEARING	52.91 DG
NORTHING	+000.03
EASTING	+000.04
LOG DEPTH	0015.00
TRUE DEPTH	0015.00
TILT	.77 DG
BEARING	22.80 DG
NORTHING	+000.00
EASTING	+000.00

DEPTH =	0015.00
TILT =	.77 DG
BEARING =	22.80 DG
DEPTH =	0020.00
TILT =	.59 DG
BEARING =	83.02 DG
DEPTH =	0025.00
TILT =	.56 DG
BEARING =	151.94 DG
DEPTH =	0030.00
TILT =	.77 DG
BEARING =	152.45 DG
DEPTH =	0035.00
TILT =	.95 DG
BEARING =	357.25 DG
DEPTH =	0040.00
TILT =	.59 DG
BEARING =	320.25 DG
DEPTH =	0045.00
TILT =	.84 DG
BEARING =	302.48 DG
DEPTH =	0050.00
TILT =	2.45 DG
BEARING =	298.06 DG
DEPTH =	0055.00
TILT =	3.81 DG
BEARING =	290.64 DG
DEPTH =	0060.00
TILT =	5.12 DG
BEARING =	283.65 DG
DEPTH =	0065.00
TILT =	6.12 DG
BEARING =	286.64 DG
DEPTH =	0070.00
TILT =	7.36 DG
BEARING =	288.62 DG
DEPTH =	0075.00
TILT =	7.01 DG
BEARING =	298.61 DG
DEPTH =	0080.00
TILT =	6.76 DG
BEARING =	296.23 DG
DEPTH =	0085.00
TILT =	6.80 DG
BEARING =	291.36 DG
DEPTH =	0090.00
TILT =	7.71 DG
BEARING =	294.24 DG
DEPTH =	0095.00
TILT =	8.06 DG
BEARING =	295.31 DG
DEPTH =	0100.00
TILT =	7.39 DG
BEARING =	287.97 DG

DATE	051183
JOB NUMBER	1982
LOG LABEL	026.1
MAG 1 MAX	230
MAG 1 MIN	131
MAG 2 MAX	228
MAG 2 MIN	131
MAG 3 MAX	205
MAG 3 MIN	155
L CELL 1 TILT 1	20
L CELL 1 CPS 1	321
L CELL 1 TILT 2	-20
L CELL 1 CPS 2	116
L CELL 2 TILT 1	20
L CELL 2 CPS 1	323
L CELL 2 TILT 2	-20
L CELL 2 CPS 2	110
MAG 1 CENTRE	179
MAG 2 CENTRE	179
MAG 3 CENTRE	180
L CELL 1 CENTRE	222
L CELL 2 CENTRE	219
MAG DECL	021
STOP DEPTH	0015

RH 1983

```
LOG DEPTH  0110.00
TRUE DEPTH 0109.97
TILT          2.59 DG
BEARING      53.22 DG
NORTHING   +001.96
EASTING    +001.60

LOG DEPTH  0100.00
TRUE DEPTH 0099.98
TILT          2.11 DG
BEARING      39.54 DG
NORTHING   +001.69
EASTING    +001.24

LOG DEPTH  0090.00
TRUE DEPTH 0089.99
TILT          1.87 DG
BEARING      37.13 DG
NORTHING   +001.41
EASTING    +001.00

LOG DEPTH  0080.00
TRUE DEPTH 0080.00
TILT          1.52 DG
BEARING      48.80 DG
NORTHING   +001.15
EASTING    +000.80

LOG DEPTH  0070.00
TRUE DEPTH 0070.00
TILT          1.32 DG
BEARING      51.66 DG
NORTHING   +000.97
EASTING    +000.60

LOG DEPTH  0060.00
TRUE DEPTH 0060.00
TILT          1.41 DG
BEARING      44.52 DG
NORTHING   +000.83
EASTING    +000.42

LOG DEPTH  0050.00
TRUE DEPTH 0050.00
TILT          1.18 DG
BEARING      18.89 DG
NORTHING   +000.65
EASTING    +000.25

LOG DEPTH  0040.00
TRUE DEPTH 0040.00
TILT          1.03 DG
BEARING      10.75 DG
NORTHING   +000.46
EASTING    +000.18

LOG DEPTH  0030.00
TRUE DEPTH 0030.00
TILT          1.29 DG
BEARING      33.81 DG
NORTHING   +000.28
EASTING    +000.15

LOG DEPTH  0020.00
TRUE DEPTH 0020.00
TILT           .95 DG
BEARING      15.98 DG
NORTHING   +000.09
EASTING    +000.02
```

```
LOG DEPTH  0014.00
TRUE DEPTH 0014.00
TILT           .43 DG
BEARING     348.86 DG
NORTHING   +000.00
EASTING    +000.00
```

```
DEPTH    =  0015.00
TILT     =      .37 DG
BEARING  =    32.56 DG

DEPTH    =  0020.00
TILT     =     1.47 DG
BEARING  =    43.09 DG

DEPTH    =  0025.00
TILT     =      .84 DG
BEARING  =    27.72 DG

DEPTH    =  0030.00
TILT     =     1.10 DG
BEARING  =    24.53 DG

DEPTH    =  0035.00
TILT     =      .80 DG
BEARING  =    38.47 DG

DEPTH    =  0040.00
TILT     =      .95 DG
BEARING  =   356.96 DG

DEPTH    =  0045.00
TILT     =     1.62 DG
BEARING  =    25.52 DG

DEPTH    =  0050.00
TILT     =     1.41 DG
BEARING  =    40.83 DG

DEPTH    =  0055.00
TILT     =     1.73 DG
BEARING  =    22.41 DG

DEPTH    =  0060.00
TILT     =     1.41 DG
BEARING  =    48.22 DG

DEPTH    =  0065.00
TILT     =     1.18 DG
BEARING  =    37.09 DG

DEPTH    =  0070.00
TILT     =     1.22 DG
BEARING  =    55.11 DG

DEPTH    =  0075.00
TILT     =     1.79 DG
BEARING  =    25.43 DG

DEPTH    =  0080.00
TILT     =     1.82 DG
BEARING  =    42.50 DG

DEPTH    =  0085.00
TILT     =     1.77 DG
BEARING  =    36.57 DG
```

```
DEPTH    =  0090.00
TILT     =     1.92 DG
BEARING  =    31.76 DG

DEPTH    =  0095.00
TILT     =     2.03 DG
BEARING  =    31.45 DG

DEPTH    =  0100.00
TILT     =     2.31 DG
BEARING  =    47.32 DG

DEPTH    =  0105.00
TILT     =     2.70 DG
BEARING  =    56.24 DG

DEPTH    =  0110.00
TILT     =     2.88 DG
BEARING  =    59.11 DG



DATE              051483
JOB NUMBER          1983
LOG LABEL          026.1
MAG 1 MAX            230
MAG 1 MIN            131
MAG 2 MAX            228
MAG 2 MIN            131
MAG 3 MAX            205
MAG 3 MIN            155
L. CELL 1 TILT 1      20
L. CELL 1 CPS 1      321
L. CELL 1 TILT 2     -20
L. CELL 1 CPS 2      116
L. CELL 2 TILT 1      20
L. CELL 2 CPS 1      323
L. CELL 2 TILT 2     -20
L. CELL 2 CPS 2      110

MAG 1 CENTRE         178
MAG 2 CENTRE         182
MAG 3 CENTRE         180
L. CELL 1 CENTRE     222
L. CELL 2 CENTRE     220

MAG DECL             021
STOP DEPTH            14
```

RH 1978

```
LOG DEPTH  0070.00
TRUE DEPTH 0069.98
TILT          2.36 DG
BEARING      61.05 DG
NORTHING   +000.32
EASTING    +000.72

LOG DEPTH  0060.00
TRUE DEPTH 0059.99
TILT          1.91 DG
BEARING      60.58 DG
NORTHING   +000.12
EASTING    +000.36

LOG DEPTH  0050.00
TRUE DEPTH 0050.00
TILT          1.37 DG
BEARING      79.29 DG
NORTHING   -000.04
EASTING    +000.07

LOG DEPTH  0040.00
TRUE DEPTH 0040.00
TILT           .69 DG
BEARING     155.59 DG
NORTHING   -000.08
EASTING    -000.16

LOG DEPTH  0030.00
TRUE DEPTH 0030.00
TILT           .40 DG
BEARING     260.89 DG
NORTHING   +000.02
EASTING    -000.21

LOG DEPTH  0020.00
TRUE DEPTH 0020.00
TILT           .65 DG
BEARING     287.62 DG
NORTHING   +000.03
EASTING    -000.14

LOG DEPTH  0010.00
TRUE DEPTH 0010.00
TILT           .94 DG
BEARING     269.49 DG
NORTHING   -000.00
EASTING    -000.03

LOG DEPTH  0008.00
TRUE DEPTH 0008.00
TILT           .95 DG
BEARING     273.99 DG
NORTHING   +000.00
EASTING    +000.00
```

```
DEPTH    =  0010.00
TILT     =      .93 DG
BEARING  =   265.00 DG

DEPTH    =  0015.00
TILT     =      .99 DG
BEARING  =   211.20 DG

DEPTH    =  0020.00
TILT     =      .37 DG
BEARING  =   310.25 DG

DEPTH    =  0025.00
TILT     =      .54 DG
BEARING  =   250.16 DG

DEPTH    =  0030.00
TILT     =      .43 DG
BEARING  =   211.52 DG

DEPTH    =  0035.00
TILT     =      .27 DG
BEARING  =   113.05 DG

DEPTH    =  0040.00
TILT     =      .95 DG
BEARING  =    99.65 DG

DEPTH    =  0045.00
TILT     =      .69 DG
BEARING  =    75.61 DG

DEPTH    =  0050.00
TILT     =     1.78 DG
BEARING  =    58.92 DG

DEPTH    =  0055.00
TILT     =     1.62 DG
BEARING  =    57.09 DG

DEPTH    =  0060.00
TILT     =     2.04 DG
BEARING  =    62.24 DG

DEPTH    =  0065.00
TILT     =     1.49 DG
BEARING  =    52.00 DG

DEPTH    =  0070.00
TILT     =     2.68 DG
BEARING  =    59.86 DG

DEPTH    =  0075.00
TILT     =     2.06 DG
BEARING  =   201.34 DG
```

```
DATE           050883
JOB NUMBER       1978
LOG LABEL       026.1
MAG 1 MAX         230
MAG 1 MIN         131
MAG 2 MAX         228
MAG 2 MIN         131
MAG 3 MAX         205
MAG 3 MIN         155
L.CELL 1 TILT 1    20
L.CELL 1 CPS 1    321
L.CELL 1 TILT 2   -20
L.CELL 1 CPS 2    116
L.CELL 2 TILT 1    20
L.CELL 2 CPS 1    323
L.CELL 2 TILT 2   -20
L.CELL 2 CPS 2    110

MAG 1 CENTRE      182
MAG 2 CENTRE      180
MAG 3 CENTRE      180
L.CELL 1 CENTRE   220
L.CELL 2 CENTRE   219

MAG DECL          021
STOP DEPTH       0008
```

RH1950

```
LOG DEPTH   0070.00
TRUE DEPTH  0069.96
TILT           2.26 DG
BEARING      164.59 DG
NORTHING    -001.56
EASTING     -000.38

LOG DEPTH   0060.00
TRUE DEPTH  0059.97
TILT           1.91 DG
BEARING      196.15 DG
NORTHING    -001.18
EASTING     -000.49

LOG DEPTH   0050.00
TRUE DEPTH  0049.98
TILT           2.30 DG
BEARING      215.68 DG
NORTHING    -000.86
EASTING     -000.40

LOG DEPTH   0040.00
TRUE DEPTH  0039.99
TILT           2.17 DG
BEARING      208.49 DG
NORTHING    -000.53
EASTING     -000.16

LOG DEPTH   0030.00
TRUE DEPTH  0030.00
TILT           1.16 DG
BEARING      175.77 DG
NORTHING    -000.20
EASTING     +000.01

LOG DEPTH   0020.00
TRUE DEPTH  0020.00
TILT            .60 DG
BEARING      140.15 DG
NORTHING    +000.00
EASTING     +000.00
```

```
DEPTH    =  0020.00
TILT     =      .60 DG
BEARING  =   140.15 DG

DEPTH    =  0025.00
TILT     =      .63 DG
BEARING  =   236.29 DG

DEPTH    =  0030.00
TILT     =     1.72 DG
BEARING  =   211.38 DG

DEPTH    =  0035.00
TILT     =     1.88 DG
BEARING  =   203.56 DG

DEPTH    =  0040.00
TILT     =     2.62 DG
BEARING  =   205.60 DG

DEPTH    =  0045.00
TILT     =     3.03 DG
BEARING  =   228.43 DG

DEPTH    =  0050.00
TILT     =     1.98 DG
BEARING  =   225.75 DG

DEPTH    =  0055.00
TILT     =     2.74 DG
BEARING  =   189.15 DG

DEPTH    =  0060.00
TILT     =     1.83 DG
BEARING  =   166.55 DG

DEPTH    =  0065.00
TILT     =     2.26 DG
BEARING  =   164.67 DG

DEPTH    =  0070.00
TILT     =     2.69 DG
BEARING  =   162.62 DG



DATE          050783
JOB NUMBER      1950
LOG LABEL        026.1
MAG 1 MAX        230
MAG 1 MIN        133
MAG 2 MAX        225
MAG 2 MIN        134
MAG 3 MAX        202
MAG 3 MIN        151
L.CELL 1 TILT 1   20
L.CELL 1 CPS 1   321
L.CELL 1 TILT 2  -20
L.CELL 1 CPS 2   123
L.CELL 2 TILT 1   20
L.CELL 2 CPS 1   320
L.CELL 2 TILT 2  -20
L.CELL 2 CPS 2   119

MAG 1 CENTRE     180
MAG 2 CENTRE     179
MAG 3 CENTRE     180
L.CELL 1 CENTRE  223
L.CELL 2 CENTRE  220

MAG DECL         021
STOP DEPTH      0020
```

RH 1951. (REST ON OTHER SIDE...)

LOG DEPTH	0160.00	
TRUE DEPTH	0158.94	
TILT	9.68	DG
BEARING	137.79	DG
NORTHING	-007.62	
EASTING	+011.12	
LOG DEPTH	0150.00	
TRUE DEPTH	0149.08	
TILT	10.95	DG
BEARING	130.76	DG
NORTHING	-006.37	
EASTING	+009.99	
LOG DEPTH	0140.00	
TRUE DEPTH	0139.26	
TILT	11.05	DG
BEARING	129.34	DG
NORTHING	-005.13	
EASTING	+008.55	
LOG DEPTH	0130.00	
TRUE DEPTH	0129.45	
TILT	10.16	DG
BEARING	135.63	DG
NORTHING	-003.91	
EASTING	+007.07	
LOG DEPTH	0120.00	
TRUE DEPTH	0119.61	
TILT	9.55	DG
BEARING	132.12	DG
NORTHING	-002.65	
EASTING	+005.83	
LOG DEPTH	0110.00	
TRUE DEPTH	0109.75	
TILT	9.15	DG
BEARING	119.27	DG
NORTHING	-001.54	
EASTING	+004.60	
LOG DEPTH	0100.00	
TRUE DEPTH	0099.88	
TILT	7.12	DG
BEARING	109.08	DG
NORTHING	-000.76	
EASTING	+003.21	
LOG DEPTH	0090.00	
TRUE DEPTH	0089.96	
TILT	4.56	DG
BEARING	103.64	DG
NORTHING	-000.35	
EASTING	+002.04	
LOG DEPTH	0080.00	
TRUE DEPTH	0079.99	
TILT	2.75	DG
BEARING	95.25	DG
NORTHING	-000.17	
EASTING	+001.27	
LOG DEPTH	0070.00	
TRUE DEPTH	0070.00	
TILT	1.49	DG
BEARING	88.89	DG
NORTHING	-000.12	
EASTING	+000.79	
LOG DEPTH	0060.00	
TRUE DEPTH	0060.00	
TILT	.90	DG
BEARING	98.88	DG
NORTHING	-000.13	
EASTING	+000.53	

LOG DEPTH	0050.00	
TRUE DEPTH	0050.00	
TILT	.55	DG
BEARING	103.72	DG
NORTHING	-000.10	
EASTING	+000.37	
LOG DEPTH	0040.00	
TRUE DEPTH	0040.00	
TILT	.68	DG
BEARING	101.16	DG
NORTHING	-000.08	
EASTING	+000.28	
LOG DEPTH	0030.00	
TRUE DEPTH	0030.00	
TILT	.77	DG
BEARING	98.67	DG
NORTHING	-000.06	
EASTING	+000.16	
LOG DEPTH	0020.00	
TRUE DEPTH	0020.00	
TILT	.50	DG
BEARING	141.92	DG
NORTHING	-000.04	
EASTING	+000.03	
LOG DEPTH	0014.00	
TRUE DEPTH	0014.00	
TILT	.42	DG
BEARING	190.27	DG
NORTHING	+000.00	
EASTING	+000.00	

DEPTH =	0015.00	
TILT =	.37	DG
BEARING =	99.46	DG
DEPTH =	0020.00	
TILT =	.59	DG
BEARING =	93.58	DG
DEPTH =	0025.00	
TILT =	.59	DG
BEARING =	99.82	DG
DEPTH =	0030.00	
TILT =	.95	DG
BEARING =	103.77	DG
DEPTH =	0035.00	
TILT =	.61	DG
BEARING =	94.91	DG
DEPTH =	0040.00	
TILT =	.42	DG
BEARING =	98.55	DG
DEPTH =	0045.00	
TILT =	.99	DG
BEARING =	119.48	DG
DEPTH =	0050.00	
TILT =	.69	DG
BEARING =	108.88	DG
DEPTH =	0055.00	
TILT =	1.12	DG
BEARING =	121.82	DG
DEPTH =	0060.00	
TILT =	1.10	DG
BEARING =	88.87	DG

DEPTH =	0065.00	
TILT =	1.50	DG
BEARING =	108.57	DG
DEPTH =	0070.00	
TILT =	1.88	DG
BEARING =	88.91	DG
DEPTH =	0075.00	
TILT =	2.32	DG
BEARING =	109.69	DG
DEPTH =	0080.00	
TILT =	3.61	DG
BEARING =	101.58	DG
DEPTH =	0085.00	
TILT =	4.69	DG
BEARING =	102.40	DG
DEPTH =	0090.00	
TILT =	5.50	DG
BEARING =	105.69	DG
DEPTH =	0095.00	
TILT =	7.51	DG
BEARING =	109.96	DG
DEPTH =	0100.00	
TILT =	8.75	DG
BEARING =	112.47	DG
DEPTH =	0105.00	
TILT =	9.22	DG
BEARING =	116.52	DG
DEPTH =	0110.00	
TILT =	9.55	DG
BEARING =	126.08	DG
DEPTH =	0115.00	
TILT =	11.32	DG
BEARING =	122.48	DG
DEPTH =	0120.00	
TILT =	9.56	DG
BEARING =	138.16	DG
DEPTH =	0125.00	
TILT =	10.16	DG
BEARING =	134.85	DG
DEPTH =	0130.00	
TILT =	10.77	DG
BEARING =	133.09	DG
DEPTH =	0135.00	
TILT =	10.20	DG
BEARING =	136.27	DG
DEPTH =	0140.00	
TILT =	11.32	DG
BEARING =	125.59	DG
DEPTH =	0145.00	
TILT =	10.58	DG
BEARING =	136.31	DG
DEPTH =	0150.00	
TILT =	10.57	DG
BEARING =	135.92	DG
DEPTH =	0155.00	
TILT =	9.35	DG
BEARING =	138.69	DG

```
DEPTH   =  0160.00
TILT    =     8.79 DG
BEARING =   139.66 DG

DEPTH   =  0165.00
TILT    =    10.13 DG
BEARING =   146.14 DG



DATE          051083
JOB NUMBER      1951
LOG LABEL        026.1
MAG 1 MAX          230
MAG 1 MIN          131
MAG 2 MAX          228
MAG 2 MIN          131
MAG 3 MAX          205
MAG 3 MIN          155
L CELL 1 TILT 1   20
L CELL 1 CPS 1   321
L CELL 1 TILT 2  -20
L CELL 1 CPS 2   116
L CELL 2 TILT 1   20
L CELL 2 CPS 1   323
L CELL 2 TILT 2  -20
L CELL 2 CPS 2   110

MAG 1 CENTRE     181
MAG 2 CENTRE     178
MAG 3 CENTRE     180
L CELL 1 CENTRE  221
L CELL 2 CENTRE  220

MAG DECL         021
STOP DEPTH      0014
```

RH 1953

LOG DEPTH	0100.00	
TRUE DEPTH	0099.92	
TILT	3.07	DG
BEARING	163.29	DG
NORTHING	-004.14	
EASTING	+000.24	
LOG DEPTH	0090.00	
TRUE DEPTH	0089.93	
TILT	2.78	DG
BEARING	165.99	DG
NORTHING	-003.63	
EASTING	+000.09	
LOG DEPTH	0080.00	
TRUE DEPTH	0079.94	
TILT	2.73	DG
BEARING	169.02	DG
NORTHING	-003.16	
EASTING	-000.02	
LOG DEPTH	0070.00	
TRUE DEPTH	0069.95	
TILT	3.08	DG
BEARING	173.64	DG
NORTHING	-002.69	
EASTING	-000.11	
LOG DEPTH	0060.00	
TRUE DEPTH	0059.96	
TILT	2.95	DG
BEARING	179.54	DG
NORTHING	-002.15	
EASTING	-000.17	
LOG DEPTH	0050.00	
TRUE DEPTH	0049.97	
TILT	2.91	DG
BEARING	186.81	DG
NORTHING	-001.64	
EASTING	-000.18	
LOG DEPTH	0040.00	
TRUE DEPTH	0039.98	
TILT	3.02	DG
BEARING	187.95	DG
NORTHING	-001.13	
EASTING	-000.12	
LOG DEPTH	0030.00	
TRUE DEPTH	0029.99	
TILT	2.34	DG
BEARING	184.23	DG
NORTHING	-000.61	
EASTING	-000.04	
LOG DEPTH	0020.00	
TRUE DEPTH	0020.00	
TILT	1.99	DG
BEARING	184.78	DG
NORTHING	-000.20	
EASTING	-000.01	
LOG DEPTH	0014.00	
TRUE DEPTH	0014.00	
TILT	2.45	DG
BEARING	186.09	DG
NORTHING	+000.00	
EASTING	+000.00	

DEPTH =	0015.00	
TILT =	2.42	DG
BEARING =	179.55	DG
DEPTH =	0020.00	
TILT =	1.52	DG
BEARING =	183.47	DG
DEPTH =	0025.00	
TILT =	3.03	DG
BEARING =	184.66	DG
DEPTH =	0030.00	
TILT =	3.15	DG
BEARING =	184.99	DG
DEPTH =	0035.00	
TILT =	2.75	DG
BEARING =	187.36	DG
DEPTH =	0040.00	
TILT =	2.88	DG
BEARING =	190.91	DG
DEPTH =	0045.00	
TILT =	3.26	DG
BEARING =	185.65	DG
DEPTH =	0050.00	
TILT =	2.95	DG
BEARING =	182.71	DG
DEPTH =	0055.00	
TILT =	3.07	DG
BEARING =	171.15	DG
DEPTH =	0060.00	
TILT =	2.95	DG
BEARING =	176.38	DG
DEPTH =	0065.00	
TILT =	2.34	DG
BEARING =	148.21	DG
DEPTH =	0070.00	
TILT =	3.21	DG
BEARING =	170.90	DG
DEPTH =	0075.00	
TILT =	2.25	DG
BEARING =	170.36	DG
DEPTH =	0080.00	
TILT =	2.25	DG
BEARING =	167.13	DG
DEPTH =	0085.00	
TILT =	3.44	DG
BEARING =	162.76	DG
DEPTH =	0090.00	
TILT =	3.32	DG
BEARING =	164.85	DG
DEPTH =	0095.00	
TILT =	2.95	DG
BEARING =	164.35	DG
DEPTH =	0100.00	
TILT =	2.83	DG
BEARING =	161.74	DG
DEPTH =	0105.00	
TILT =	3.44	DG
BEARING =	156.24	DG

DATE	051583
JOB NUMBER	1953
LOG LABEL	026.1
MAG 1 MAX	230
MAG 1 MIN	131
MAG 2 MAX	228
MAG 2 MIN	131
MAG 3 MAX	205
MAG 3 MIN	155
L. CELL 1 TILT 1	20
L. CELL 1 CPS 1	321
L. CELL 1 TILT 2	-20
L. CELL 1 CPS 2	116
L. CELL 2 TILT 1	20
L. CELL 2 CPS 1	323
L. CELL 2 TILT 2	-20
L. CELL 2 CPS 2	110
MAG 1 CENTRE	178
MAG 2 CENTRE	179
MAG 3 CENTRE	180
L. CELL 1 CENTRE	223
L. CELL 2 CENTRE	219
MAG DECL	021
STOP DEPTH	14

RH 1955

1955

LOG DEPTH	0050.00	
TRUE DEPTH	0049.98	
TILT	2.34	DG
BEARING	74.00	DG
NORTHING	+000.31	
EASTING	+001.10	
LOG DEPTH	0040.00	
TRUE DEPTH	0039.99	
TILT	1.99	DG
BEARING	72.50	DG
NORTHING	+000.19	
EASTING	+000.71	
LOG DEPTH	0030.00	
TRUE DEPTH	0030.00	
TILT	1.63	DG
BEARING	40.57	DG
NORTHING	+000.09	
EASTING	+000.38	
LOG DEPTH	0020.00	
TRUE DEPTH	0020.00	
TILT	1.03	DG
BEARING	106.67	DG
NORTHING	-000.12	
EASTING	+000.19	
LOG DEPTH	0010.00	
TRUE DEPTH	0010.00	
TILT	.48	DG
BEARING	160.60	DG
NORTHING	-000.07	
EASTING	+000.02	
LOG DEPTH	0001.00	
TRUE DEPTH	0001.00	
TILT	.38	DG
BEARING	134.28	
NORTHING	+000.0	
EASTING	+000.0	

DATE	032283	
JOB NUMBER	1973	
LOG LABEL	025.2	
MAG 1 MAX	228	
MAG 1 MIN	133	
MAG 2 MAX	224	
MAG 2 MIN	135	
MAG 3 MAX	204	
MAG 3 MIN	156	
L. CELL 1 TILT 1	06	
L. CELL 1 CPS 1	250	
L. CELL 1 TILT 2	-06	
L. CELL 1 CPS 2	190	
L. CELL 2 TILT 1	06	
L. CELL 2 CPS 1	251	
L. CELL 2 TILT 2	-06	
L. CELL 2 CPS 2	189	
MAG 1 CENTRE	180	
MAG 2 CENTRE	180	
MAG 3 CENTRE	180	
L. CELL 1 CENTRE	219	
L. CELL 2 CENTRE	235	
MAG DECL	21	
STOP DEPTH	0001	

DEPTH	=	0010.00	
TILT	=	.58	DG
BEARING	=	186.92	DG
DEPTH	=	0020.00	
TILT	=	1.48	DG
BEARING	=	26.43	DG
DEPTH	=	0030.00	
TILT	=	1.78	DG
BEARING	=	54.71	DG
DEPTH	=	0040.00	
TILT	=	2.19	DG
BEARING	=	90.29	DG
DEPTH	=	0050.00	
TILT	=	2.48	DG
BEARING	=	57.71	DG

RH 1956

```
LOG DEPTH  0190.00
TRUE DEPTH 0186.26
TILT         20.02 DG
BEARING      96.31 DG
NORTHING    +001.81
EASTING     +030.56

LOG DEPTH  0180.00
TRUE DEPTH 0176.86
TILT         19.68 DG
BEARING      96.46 DG
NORTHING    +002.18
EASTING     +027.15

LOG DEPTH  0170.00
TRUE DEPTH 0167.44
TILT         18.28 DG
BEARING      97.88 DG
NORTHING    +002.56
EASTING     +023.81

LOG DEPTH  0160.00
TRUE DEPTH 0157.95
TILT         16.96 DG
BEARING      97.97 DG
NORTHING    +002.99
EASTING     +020.70

LOG DEPTH  0150.00
TRUE DEPTH 0148.39
TILT         14.96 DG
BEARING      94.01 DG
NORTHING    +003.40
EASTING     +017.81

LOG DEPTH  0140.00
TRUE DEPTH 0138.73
TILT         13.17 DG
BEARING      87.35 DG
NORTHING    +003.58
EASTING     +015.23

LOG DEPTH  0130.00
TRUE DEPTH 0128.99
TILT         11.95 DG
BEARING      83.74 DG
NORTHING    +003.47
EASTING     +012.96

LOG DEPTH  0120.00
TRUE DEPTH 0119.21
TILT         10.99 DG
BEARING      80.02 DG
NORTHING    +003.25
EASTING     +010.90

LOG DEPTH  0110.00
TRUE DEPTH 0109.39
TILT         10.23 DG
BEARING      75.84 DG
NORTHING    +002.92
EASTING     +009.02

LOG DEPTH  0100.00
TRUE DEPTH 0099.55
TILT          9.49 DG
BEARING      72.26 DG
NORTHING    +002.48
EASTING     +007.30

LOG DEPTH  0090.00
TRUE DEPTH 0089.69
TILT          8.57 DG
BEARING      69.09 DG
NORTHING    +001.98
EASTING     +005.73
```

```
LOG DEPTH  0080.00
TRUE DEPTH 0079.80
TILT          7.17 DG
BEARING      68.72 DG
NORTHING    +001.45
EASTING     +004.33

LOG DEPTH  0070.00
TRUE DEPTH 0069.88
TILT          5.90 DG
BEARING      68.45 DG
NORTHING    +000.99
EASTING     +003.17

LOG DEPTH  0060.00
TRUE DEPTH 0059.93
TILT          5.11 DG
BEARING      71.15 DG
NORTHING    +000.62
EASTING     +002.21

LOG DEPTH  0050.00
TRUE DEPTH 0049.97
TILT          3.57 DG
BEARING      74.62 DG
NORTHING    +000.33
EASTING     +001.37

LOG DEPTH  0040.00
TRUE DEPTH 0039.99
TILT          2.34 DG
BEARING      74.71 DG
NORTHING    +000.16
EASTING     +000.77

LOG DEPTH  0030.00
TRUE DEPTH 0030.00
TILT          1.38 DG
BEARING      73.78 DG
NORTHING    +000.05
EASTING     +000.37

LOG DEPTH  0020.00
TRUE DEPTH 0020.00
TILT           .82 DG
BEARING      93.53 DG
NORTHING    -000.00
EASTING     +000.14

LOG DEPTH  0010.00
TRUE DEPTH 0010.00
TILT          1.04 DG
BEARING     113.51 DG
NORTHING    +000.00
EASTING     +000.00
```

```
DEPTH    =  0010.00
TILT     =     1.04 DG
BEARING  =   113.51 DG

DEPTH    =  0020.00
TILT     =      .60 DG
BEARING  =    73.55 DG

DEPTH    =  0030.00
TILT     =     2.17 DG
BEARING  =    74.01 DG

DEPTH    =  0040.00
TILT     =     2.52 DG
BEARING  =    75.41 DG

DEPTH    =  0050.00
TILT     =     4.63 DG
BEARING  =    73.83 DG
```

```
DEPTH    =  0060.00
TILT     =     5.59 DG
BEARING  =    68.48 DG

DEPTH    =  0070.00
TILT     =     6.21 DG
BEARING  =    68.43 DG

DEPTH    =  0080.00
TILT     =     8.14 DG
BEARING  =    69.01 DG

DEPTH    =  0090.00
TILT     =     9.01 DG
BEARING  =    69.17 DG

DEPTH    =  0100.00
TILT     =     9.96 DG
BEARING  =    75.34 DG

DEPTH    =  0110.00
TILT     =    10.50 DG
BEARING  =    76.34 DG

DEPTH    =  0120.00
TILT     =    11.47 DG
BEARING  =    83.70 DG

DEPTH    =  0130.00
TILT     =    12.43 DG
BEARING  =    83.78 DG

DEPTH    =  0140.00
TILT     =    13.91 DG
BEARING  =    90.92 DG

DEPTH    =  0150.00
TILT     =    16.01 DG
BEARING  =    97.09 DG

DEPTH    =  0160.00
TILT     =    17.90 DG
BEARING  =    98.85 DG

DEPTH    =  0170.00
TILT     =    18.66 DG
BEARING  =    96.91 DG

DEPTH    =  0180.00
TILT     =    20.69 DG
BEARING  =    96.01 DG

DEPTH    =  0190.00
TILT     =    19.35 DG
BEARING  =    96.60 DG
```

```
DATE              830315
JOB NUMBER          1956
LOG LABEL          025.1
MAG 1 MAX            230
MAG 1 MIN            130
MAG 2 MAX            230
MAG 2 MIN            130
MAG 3 MAX            204
MAG 3 MIN            156
E CELL 1 TILT 1   10
E CELL 1 CPS 1   271
E CELL 1 TILT 2  -10
E CELL 1 CPS 2   166
E CELL 2 TILT 1   10
E CELL 2 CPS 1   271
E CELL 2 TILT 2  -10
E CELL 2 CPS 2   168

MAG 1 CENTRE      182
MAG 2 CENTRE      179
MAG 3 CENTRE      180
E CELL 1 CENTRE   221
```

```
E CELL 2 CENTRE 218
MAG DECL          22
STOP DEPTH        10
```

1958

LOG DEPTH	0090.00
TRUE DEPTH	0089.96
TILT	2.79 DG
BEARING	65.43 DG
NORTHING	+000.53
EASTING	+002.00

LOG DEPTH	0080.00
TRUE DEPTH	0079.97
TILT	2.85 DG
BEARING	77.18 DG
NORTHING	+000.33
EASTING	+001.56

LOG DEPTH	0070.00
TRUE DEPTH	0069.98
TILT	2.40 DG
BEARING	74.10 DG
NORTHING	+000.22
EASTING	+001.07

LOG DEPTH	0060.00
TRUE DEPTH	0059.99
TILT	2.22 DG
BEARING	69.43 DG
NORTHING	+000.11
EASTING	+000.67

LOG DEPTH	0050.00
TRUE DEPTH	0050.00
TILT	1.24 DG
BEARING	72.33 DG
NORTHING	-000.02
EASTING	+000.31

LOG DEPTH	0040.00
TRUE DEPTH	0040.00
TILT	.39 DG
BEARING	26.80 DG
NORTHING	-000.09
EASTING	+000.10

LOG DEPTH	0030.00
TRUE DEPTH	0030.00
TILT	.41 DG
BEARING	55.80 DG
NORTHING	-000.15
EASTING	+000.07

LOG DEPTH	0020.00
TRUE DEPTH	0020.00
TILT	.60 DG
BEARING	190.72 DG
NORTHING	-000.19
EASTING	+000.01

LOG DEPTH	0010.00
TRUE DEPTH	0010.00
TILT	.60 DG
BEARING	160.00 DG
NORTHING	-000.08
EASTING	+000.03

LOG DEPTH	0001.00
TRUE DEPTH	0001.00
TILT	.43 DG
BEARING	78.16 DG
NORTHING	+000.00
EASTING	+000.00

DEPTH =	0010.00
TILT =	.77 DG
BEARING =	241.84 DG

DEPTH =	0020.00
TILT =	.43 DG
BEARING =	139.60 DG

DEPTH =	0030.00
TILT =	.38 DG
BEARING =	332.00 DG

DEPTH =	0040.00
TILT =	.39 DG
BEARING =	81.61 DG

DEPTH =	0050.00
TILT =	2.09 DG
BEARING =	63.05 DG

DEPTH =	0060.00
TILT =	2.35 DG
BEARING =	75.80 DG

DEPTH =	0070.00
TILT =	2.45 DG
BEARING =	72.41 DG

DEPTH =	0080.00
TILT =	3.25 DG
BEARING =	81.95 DG

DEPTH =	0090.00
TILT =	2.33 DG
BEARING =	48.91 DG

DATE	032283
JOB NUMBER	1973
LOG LABEL	025.2
MAG 1 MAX	228
MAG 1 MIN	133
MAG 2 MAX	224
MAG 2 MIN	135
MAG 3 MAX	204
MAG 3 MIN	156
L. CELL 1 TILT 1	06
L. CELL 1 CPS 1	250
L. CELL 1 TILT 2	-06
L. CELL 1 CPS 2	190
L. CELL 2 TILT 1	06
L. CELL 2 CPS 1	251
L. CELL 2 TILT 2	-06
L. CELL 2 CPS 2	189

MAG 1 CENTRE	181
MAG 2 CENTRE	180
MAG 3 CENTRE	180
L. CELL 1 CENTRE	219
L. CELL 2 CENTRE	234

MAG DECL	21
STOP DEPTH	0001

RH 1958

1961

LOG DEPTH	0140.00	
TRUE DEPTH	0136.65	
TILT	10.14	DG
BEARING	81.88	DG
NORTHING	+009.90	
EASTING	+014.97	
LOG DEPTH	0130.00	
TRUE DEPTH	0126.81	
TILT	9.65	DG
BEARING	82.21	DG
NORTHING	+009.66	
EASTING	+013.22	
LOG DEPTH	0120.00	
TRUE DEPTH	0116.95	
TILT	9.78	DG
BEARING	80.37	DG
NORTHING	+009.43	
EASTING	+011.56	
LOG DEPTH	0110.00	
TRUE DEPTH	0107.10	
TILT	8.47	DG
BEARING	82.40	DG
NORTHING	+009.14	
EASTING	+009.89	
LOG DEPTH	0100.00	
TRUE DEPTH	0097.21	
TILT	7.05	DG
BEARING	84.17	DG
NORTHING	+008.95	
EASTING	+008.43	
LOG DEPTH	0090.00	
TRUE DEPTH	0087.29	
TILT	5.98	DG
BEARING	83.75	DG
NORTHING	+008.82	
EASTING	+007.20	
LOG DEPTH	0080.00	
TRUE DEPTH	0077.34	
TILT	4.85	DG
BEARING	83.00	DG
NORTHING	+008.71	
EASTING	+006.17	
LOG DEPTH	0070.00	
TRUE DEPTH	0067.38	
TILT	4.07	DG
BEARING	82.87	DG
NORTHING	+008.61	
EASTING	+005.33	
LOG DEPTH	0060.00	
TRUE DEPTH	0057.41	
TILT	3.13	DG
BEARING	83.12	DG
NORTHING	+008.52	
EASTING	+004.62	

LOG DEPTH	0050.00	
TRUE DEPTH	0047.42	
TILT	2.14	DG
BEARING	78.51	DG
NORTHING	+008.45	
EASTING	+004.08	
LOG DEPTH	0040.00	
TRUE DEPTH	0037.43	
TILT	1.37	DG
BEARING	100.87	DG
NORTHING	+008.38	
EASTING	+003.71	
LOG DEPTH	0030.00	
TRUE DEPTH	0027.43	
TILT	.69	DG
BEARING	58.07	DG
NORTHING	+008.43	
EASTING	+003.48	
LOG DEPTH	0020.00	
TRUE DEPTH	0017.43	
TILT	30.14	DG
BEARING	3.83	DG
NORTHING	+008.36	
EASTING	+003.37	
LOG DEPTH	0010.00	
TRUE DEPTH	0008.78	
TILT	30.22	DG
BEARING	42.19	DG
NORTHING	+003.35	
EASTING	+003.04	
LOG DEPTH	0001.00	
TRUE DEPTH	0001.00	
TILT	.43	DG
BEARING	66.14	DG
NORTHING	+000.00	
EASTING	+000.00	

DEPTH	= 0010.00	
TILT	= 60.00	DG
BEARING	= 18.24	DG
DEPTH	= 0020.00	
TILT	= .27	DG
BEARING	= 349.43	DG
DEPTH	= 0030.00	
TILT	= 1.11	DG
BEARING	= 126.72	DG
DEPTH	= 0040.00	
TILT	= 1.64	DG
BEARING	= 75.02	DG
DEPTH	= 0050.00	
TILT	= 2.64	DG
BEARING	= 82.01	DG
DEPTH	= 0060.00	
TILT	= 3.62	DG
BEARING	= 84.22	DG
DEPTH	= 0070.00	
TILT	= 4.53	DG
BEARING	= 81.52	DG
DEPTH	= 0080.00	
TILT	= 5.17	DG
BEARING	= 84.47	DG

DEPTH	= 0090.00	
TILT	= 6.78	DG
BEARING	= 83.04	DG
DEPTH	= 0100.00	
TILT	= 7.32	DG
BEARING	= 85.31	DG
DEPTH	= 0110.00	
TILT	= 9.62	DG
BEARING	= 79.48	DG
DEPTH	= 0120.00	
TILT	= 9.94	DG
BEARING	= 81.26	DG
DEPTH	= 0130.00	
TILT	= 9.36	DG
BEARING	= 83.17	DG
DEPTH	= 0140.00	
TILT	= 10.92	DG
BEARING	= 80.60	DG

DATE	032283
JOB NUMBER	1973
LOG LABEL	025.2
MAG 1 MAX	228
MAG 1 MIN	133
MAG 2 MAX	224
MAG 2 MIN	135
MAG 3 MAX	204
MAG 3 MIN	156
L. CELL 1 TILT 1	06
L. CELL 1 CPS 1	250
L. CELL 1 TILT 2	-06
L. CELL 1 CPS 2	190
L. CELL 2 TILT 1	06
L. CELL 2 CPS 1	251
L. CELL 2 TILT 2	-06
L. CELL 2 CPS 2	189
MAG 1 CENTRE	179
MAG 2 CENTRE	179
MAG 3 CENTRE	180
L. CELL 1 CENTRE	219
L. CELL 2 CENTRE	236
MAG DECL	21
STOP DEPTH	0001

RH 1961

RH 1962

```
LOG DEPTH   0150.00
TRUE DEPTH  0150.00
TILT            .61 DG
BEARING       90.58 DG
NORTHING    -000.67
EASTING     +000.36

LOG DEPTH   0140.00
TRUE DEPTH  0140.00
TILT            .40 DG
BEARING      160.21 DG
NORTHING    -000.67
EASTING     +000.26

LOG DEPTH   0130.00
TRUE DEPTH  0130.00
TILT            .57 DG
BEARING      177.34 DG
NORTHING    -000.60
EASTING     +000.23

LOG DEPTH   0120.00
TRUE DEPTH  0120.00
TILT            .78 DG
BEARING       96.99 DG
NORTHING    +000.50
EASTING     +000.23

LOG DEPTH   0110.00
TRUE DEPTH  0110.00
TILT            .86 DG
BEARING      127.36 DG
NORTHING    -000.49
EASTING     +000.09

LOG DEPTH   0100.00
TRUE DEPTH  0100.00
TILT            .67 DG
BEARING      136.19 DG
NORTHING    -000.39
EASTING     -000.02

LOG DEPTH   0090.00
TRUE DEPTH  0090.00
TILT            .59 DG
BEARING       79.87 DG
NORTHING    -000.31
EASTING     -000.10

LOG DEPTH   0080.00
TRUE DEPTH  0080.00
TILT           1.05 DG
BEARING       90.91 DG
NORTHING    -000.33
EASTING     -000.20

LOG DEPTH   0070.00
TRUE DEPTH  0070.00
TILT           1.09 DG
BEARING      133.35 DG
NORTHING    -000.32
EASTING     -000.39

LOG DEPTH   0060.00
TRUE DEPTH  0060.00
TILT            .77 DG
BEARING      180.05 DG
NORTHING    -000.19
EASTING     -000.53

LOG DEPTH   0050.00
TRUE DEPTH  0050.00
TILT            .64 DG
BEARING      274.42 DG
NORTHING    -000.06
EASTING     -000.53
```

```
LOG DEPTH   0040.00
TRUE DEPTH  0040.00
TILT            .64 DG
BEARING      280.59 DG
NORTHING    -000.27
EASTING     -000.41

LOG DEPTH   0030.00
TRUE DEPTH  0030.00
TILT            .99 DG
BEARING      267.61 DG
NORTHING    -000.09
EASTING     -000.30

LOG DEPTH   0020.00
TRUE DEPTH  0020.00
TILT            .92 DG
BEARING      238.10 DG
NORTHING    -000.08
EASTING     -000.13

LOG DEPTH   0010.00
TRUE DEPTH  0010.00
TILT            .69 DG
BEARING      164.22 DG
NORTHING    +000.00
EASTING     +000.00
```

```
DEPTH   =   0010.00
TILT    =       .69 DG
BEARING =    164.22 DG

DEPTH   =   0020.00
TILT    =      1.12 DG
BEARING =    343.97 DG

DEPTH   =   0030.00
TILT    =       .85 DG
BEARING =    223.25 DG

DEPTH   =   0040.00
TILT    =       .43 DG
BEARING =    337.94 DG

DEPTH   =   0050.00
TILT    =       .85 DG
BEARING =    210.91 DG

DEPTH   =   0060.00
TILT    =       .69 DG
BEARING =    149.19 DG

DEPTH   =   0070.00
TILT    =      1.50 DG
BEARING =    117.50 DG

DEPTH   =   0080.00
TILT    =       .60 DG
BEARING =     64.31 DG

DEPTH   =   0090.00
TILT    =       .58 DG
BEARING =     95.42 DG

DEPTH   =   0100.00
TILT    =       .77 DG
BEARING =    176.95 DG

DEPTH   =   0110.00
TILT    =       .95 DG
BEARING =     77.23 DG

DEPTH   =   0120.00
TILT    =       .60 DG
BEARING =    116.20 DG
```

```
DEPTH   =   0130.00
TILT    =       .54 DG
BEARING =    238.47 DG

DEPTH   =   0140.00
TILT    =       .27 DG
BEARING =     84.85 DG

DEPTH   =   0150.00
TILT    =       .61 DG
BEARING =    238.22 DG

DATE            830313
JOB NUMBER        1962
LOG LABEL        025.1
MAG 1 MAX          230
MAG 1 MIN          130
MAG 2 MAX          230
MAG 2 MIN          130
MAG 3 MAX          204
MAG 3 MIN          156
# CELL 1 TILT 1    -10
# CELL 1 CPS 1     271
# CELL 1 TILT 2    -10
# CELL 1 CPS 2     166
# CELL 2 TILT 1     10
# CELL 2 CPS 1     271
# CELL 2 TILT 2    -10
# CELL 2 CPS 2     168

MAG 1 CENTRE       182
MAG 2 CENTRE       178
MAG 3 CENTRE       180
# CELL 1 CENTRE    221
# CELL 2 CENTRE    221

MAX DEPTH           22
MIN DEPTH           10
```

RH 1860

```
LOG DEPTH   0150.00
TRUE DEPTH  0148.04
TILT          13.96 DG
BEARING       61.20 DG
NORTHING    +013.08
EASTING     +015.99

LOG DEPTH   0140.00
TRUE DEPTH  0138.34
TILT          13.43 DG
BEARING       55.53 DG
NORTHING    +011.92
EASTING     +013.88

LOG DEPTH   0130.00
TRUE DEPTH  0128.61
TILT          12.49 DG
BEARING       53.02 DG
NORTHING    +010.60
EASTING     +011.96

LOG DEPTH   0120.00
TRUE DEPTH  0118.85
TILT          11.97 DG
BEARING       54.77 DG
NORTHING    +009.30
EASTING     +010.24

LOG DEPTH   0110.00
TRUE DEPTH  0109.07
TILT          11.80 DG
BEARING       51.52 DG
NORTHING    +008.10
EASTING     +008.52

LOG DEPTH   0100.00
TRUE DEPTH  0099.28
TILT          11.38 DG
BEARING       48.25 DG
NORTHING    +006.83
EASTING     +006.94

LOG DEPTH   0090.00
TRUE DEPTH  0089.48
TILT          10.86 DG
BEARING       47.48 DG
NORTHING    +005.52
EASTING     +005.47

LOG DEPTH   0080.00
TRUE DEPTH  0079.66
TILT           9.66 DG
BEARING       47.26 DG
NORTHING    +004.24
EASTING     +004.08

LOG DEPTH   0070.00
TRUE DEPTH  0069.80
TILT           7.57 DG
BEARING       45.08 DG
NORTHING    +003.10
EASTING     +002.84

LOG DEPTH   0060.00
TRUE DEPTH  0059.89
TILT           5.81 DG
BEARING       44.42 DG
NORTHING    +002.17
EASTING     +001.91

LOG DEPTH   0050.00
TRUE DEPTH  0049.94
TILT           4.64 DG
BEARING       40.82 DG
NORTHING    +001.45
EASTING     +001.20
```

```
LOG DEPTH   0040.00
TRUE DEPTH  0039.97
TILT           3.52 DG
BEARING       44.50 DG
NORTHING    +000.84
EASTING     +000.67

LOG DEPTH   0030.00
TRUE DEPTH  0029.99
TILT           2.27 DG
BEARING       48.92 DG
NORTHING    +000.40
EASTING     +000.24

LOG DEPTH   0020.00
TRUE DEPTH  0020.00
TILT            .86 DG
BEARING      339.81 DG
NORTHING    +000.14
EASTING     -000.05

LOG DEPTH   0010.00
TRUE DEPTH  0010.00
TILT            .19 DG
BEARING      274.94 DG
NORTHING    +000.00
EASTING     +000.00
```

```
DEPTH    =  0010.00
TILT     =     .19 DG
BEARING  =  274.94 DG

DEPTH    =  0020.00
TILT     =    1.54 DG
BEARING  =   44.67 DG

DEPTH    =  0030.00
TILT     =    3.01 DG
BEARING  =   53.16 DG

DEPTH    =  0040.00
TILT     =    4.04 DG
BEARING  =   35.83 DG

DEPTH    =  0050.00
TILT     =    5.24 DG
BEARING  =   45.81 DG

DEPTH    =  0060.00
TILT     =    6.37 DG
BEARING  =   43.03 DG

DEPTH    =  0070.00
TILT     =    8.77 DG
BEARING  =   47.14 DG

DEPTH    =  0080.00
TILT     =   10.54 DG
BEARING  =   47.38 DG

DEPTH    =  0090.00
TILT     =   11.17 DG
BEARING  =   47.58 DG

DEPTH    =  0100.00
TILT     =   11.60 DG
BEARING  =   48.92 DG

DEPTH    =  0110.00
TILT     =   12.01 DG
BEARING  =   54.12 DG

DEPTH    =  0120.00
TILT     =   11.92 DG
BEARING  =   55.41 DG
```

```
DEPTH    =  0130.00
TILT     =   13.05 DG
BEARING  =   50.63 DG

DEPTH    =  0140.00
TILT     =   13.81 DG
BEARING  =   60.44 DG

DEPTH    =  0150.00
TILT     =   14.10 DG
BEARING  =   61.95 DG


DATE                 830311
JOB NUMBER             1860
LOG LABEL             025.2
MAG 1 MAX              230
MAG 1 MIN              130
MAG 2 MAX              230
MAG 2 MIN              130
MAG 3 MAX              204
MAG 3 MIN              156
L. CELL 1 TILT 1        10
L. CELL 1 CPS 1        271
L. CELL 1 TILT 2       -10
L. CELL 1 CPS 2        466
L. CELL 2 TILT 1        10
L. CELL 2 CPS 1        271
L. CELL 2 TILT 2       -10
L. CELL 2 CPS 2        268

MAG 1 CENTRE           182
MAG 2 CENTRE           179
MAG 3 CENTRE           180
L. CELL 1 CENTRE       219
L. CELL 2 CENTRE       218

MAG DECL                22
STOP DEPTH              00
```

PH 1861

LOG DEPTH	0150.00
TRUE DEPTH	0146.64
TILT	19.22 DG
BEARING	53.60 DG
NORTHING	+016.68
EASTING	+020.83
LOG DEPTH	0140.00
TRUE DEPTH	0137.20
TILT	19.20 DG
BEARING	51.55 DG
NORTHING	+014.73
EASTING	+018.18
LOG DEPTH	0130.00
TRUE DEPTH	0127.76
TILT	17.79 DG
BEARING	52.53 DG
NORTHING	+012.68
EASTING	+015.61
LOG DEPTH	0120.00
TRUE DEPTH	0118.24
TILT	14.94 DG
BEARING	55.03 DG
NORTHING	+010.82
EASTING	+013.18
LOG DEPTH	0110.00
TRUE DEPTH	0108.58
TILT	13.83 DG
BEARING	53.65 DG
NORTHING	+009.34
EASTING	+011.07
LOG DEPTH	0100.00
TRUE DEPTH	0098.87
TILT	13.19 DG
BEARING	51.47 DG
NORTHING	+007.97
EASTING	+009.14
LOG DEPTH	0090.00
TRUE DEPTH	0089.13
TILT	12.53 DG
BEARING	49.81 DG
NORTHING	+006.51
EASTING	+007.35
LOG DEPTH	0080.00
TRUE DEPTH	0079.37
TILT	12.49 DG
BEARING	47.53 DG
NORTHING	+005.11
EASTING	+005.70
LOG DEPTH	0070.00
TRUE DEPTH	0069.61
TILT	11.20 DG
BEARING	47.43 DG
NORTHING	+003.64
EASTING	+004.10
LOG DEPTH	0060.00
TRUE DEPTH	0059.80
TILT	8.92 DG
BEARING	49.14 DG
NORTHING	+002.33
EASTING	+002.67
LOG DEPTH	0050.00
TRUE DEPTH	0049.92
TILT	6.19 DG
BEARING	46.53 DG
NORTHING	+001.31
EASTING	+001.50
LOG DEPTH	0040.00
TRUE DEPTH	0039.98
TILT	3.47 DG
BEARING	45.32 DG
NORTHING	+000.57
EASTING	+000.71

LOG DEPTH	0030.00
TRUE DEPTH	0030.00
TILT	1.55 DG
BEARING	44.16 DG
NORTHING	+000.15
EASTING	+000.20
LOG DEPTH	0020.00
TRUE DEPTH	0020.00
TILT	.60 DG
BEARING	114.83 DG
NORTHING	-000.04
EASTING	+000.09
LOG DEPTH	0010.00
TRUE DEPTH	0010.00
TILT	.42 DG
BEARING	189.08 DG
NORTHING	+000.00
EASTING	+000.00
DEPTH =	0010.00
TILT =	.42 DG
BEARING =	189.08 DG
DEPTH =	0020.00
TILT =	.78 DG
BEARING =	40.59 DG
DEPTH =	0030.00
TILT =	2.33 DG
BEARING =	47.74 DG
DEPTH =	0040.00
TILT =	4.62 DG
BEARING =	42.91 DG
DEPTH =	0050.00
TILT =	7.76 DG
BEARING =	50.15 DG
DEPTH =	0060.00
TILT =	10.07 DG
BEARING =	48.12 DG
DEPTH =	0070.00
TILT =	12.34 DG
BEARING =	46.74 DG
DEPTH =	0080.00
TILT =	12.64 DG
BEARING =	48.32 DG
DEPTH =	0090.00
TILT =	12.41 DG
BEARING =	51.30 DG
DEPTH =	0100.00
TILT =	13.96 DG
BEARING =	51.64 DG
DEPTH =	0110.00
TILT =	13.69 DG
BEARING =	55.66 DG
DEPTH =	0120.00
TILT =	16.20 DG
BEARING =	54.40 DG
DEPTH =	0130.00
TILT =	19.39 DG
BEARING =	50.66 DG
DEPTH =	0140.00
TILT =	19.01 DG
BEARING =	52.44 DG
DEPTH =	0150.00
TILT =	19.43 DG
BEARING =	54.77 DG

DATE	830312
JOB NUMBER	1861
LOG FREQ	825.6
MAG 1 MAX	230
MAG 1 MIN	130
MAG 2 MAX	230
MAG 2 MIN	130
MAG 3 MAX	204
MAG 3 MIN	156
L. CELL 1 TILT 1	10
L. CELL 1 CPS 1	271
L. CELL 1 TILT 2	-10
L. CELL 1 CPS 2	166
L. CELL 2 TILT 1	10
L. CELL 2 CPS 1	271
L. CELL 2 TILT 2	-10
L. CELL 2 CPS 2	168
MAG 1 CENTRE	181
MAG 2 CENTRE	179
MAG 3 CENTRE	180
L. CELL 1 CENTRE	220
L. CELL 2 CENTRE	218
MAG DECL	22
STOP DEPTH	10

RH 1862

1862

LOG DEPTH	0070.00
TRUE DEPTH	0069.91
TILT	2.60 DG
BEARING	194.87 DG
NORTHING	-003.30
EASTING	-001.06
LOG DEPTH	0060.00
TRUE DEPTH	0059.92
TILT	2.88 DG
BEARING	191.45 DG
NORTHING	-002.86
EASTING	-000.94
LOG DEPTH	0050.00
TRUE DEPTH	0049.93
TILT	3.47 DG
BEARING	189.32 DG
NORTHING	-002.37
LOG DEPTH	0040.00
TRUE DEPTH	0039.95
TILT	3.23 DG
BEARING	189.98 DG
NORTHING	-001.77
EASTING	-000.74
LOG DEPTH	0030.00
TRUE DEPTH	0029.97
TILT	2.53 DG
BEARING	209.33 DG
NORTHING	-001.22
EASTING	-000.64
LOG DEPTH	0020.00
TRUE DEPTH	0019.98
TILT	2.57 DG
BEARING	215.87 DG
NORTHING	-000.83
LOG DEPTH	0010.00
TRUE DEPTH	0009.99
TILT	3.18 DG
BEARING	199.57 DG
NORTHING	-000.47
EASTING	-000.16
LOG DEPTH	0001.00
TRUE DEPTH	0001.00
TILT	3.64 DG
BEARING	195.65 DG
NORTHING	+000.00
EASTING	+000.00

DEPTH =	0010.00
TILT =	2.73 DG
BEARING =	203.49 DG
DEPTH =	0020.00
TILT =	2.41 DG
BEARING =	228.24 DG
DEPTH =	0030.00
TILT =	2.66 DG
BEARING =	190.41 DG
DEPTH =	0040.00
TILT =	3.80 DG
BEARING =	189.55 DG
DEPTH =	0050.00
TILT =	3.14 DG
BEARING =	189.10 DG
DEPTH =	0060.00
TILT =	2.63 DG
BEARING =	193.81 DG
DEPTH =	0070.00
TILT =	2.56 DG
BEARING =	195.93 DG

DATE	031683
JOB NUMBER	1863
LOG LABEL	025.3
MAG 1 MAX	230
MAG 1 MIN	130
MAG 2 MAX	230
MAG 2 MIN	130
MAG 3 MAX	204
MAG 3 MIN	156
L. CELL 1 TILT 1	04
L. CELL 1 CPS 1	240
L. CELL 1 TILT 2	-04
L. CELL 1 CPS 2	198
L. CELL 2 TILT 1	'04
L. CELL 2 CPS 1	240
L. CELL 2 TILT 2	-04
L. CELL 2 CPS 2	199
MAG 1 CENTRE	181
MAG 2 CENTRE	179
MAG 3 CENTRE	180
L. CELL 1 CENTRE	221
L. CELL 2 CENTRE	219
MAG DECL	21
STOP DEPTH	0001

1863

LOG DEPTH	0140.00
TRUE DEPTH	0139.68
TILT	7.13 DG
BEARING	70.95 DG
NORTHING	+002.92
EASTING	+007.65
LOG DEPTH	0130.00
TRUE DEPTH	0129.76
TILT	6.28 DG
BEARING	77.09 DG
NORTHING	+002.52
EASTING	+006.47
LOG DEPTH	0120.00
TRUE DEPTH	0119.82
TILT	5.06 DG
BEARING	76.72 DG
NORTHING	+002.27
EASTING	+005.41
LOG DEPTH	0110.00
TRUE DEPTH	0109.86
TILT	4.71 DG
BEARING	76.70 DG
NORTHING	+002.07
EASTING	+004.55
LOG DEPTH	0100.00
TRUE DEPTH	0099.89
TILT	4.41 DG
BEARING	77.15 DG
NORTHING	+001.88
EASTING	+003.75
LOG DEPTH	0090.00
TRUE DEPTH	0089.92
TILT	4.03 DG
BEARING	78.83 DG
NORTHING	+001.71
EASTING	+003.00
LOG DEPTH	0080.00
TRUE DEPTH	0079.94
TILT	3.34 DG
BEARING	81.32 DG
NORTHING	+001.57
EASTING	+002.31
LOG DEPTH	0070.00
TRUE DEPTH	0069.96
TILT	2.80 DG
BEARING	81.08 DG
NORTHING	+001.49
EASTING	+001.73

LOG DEPTH	0060.00
TRUE DEPTH	0059.97
TILT	3.02 DG
BEARING	65.88 DG
NORTHING	+001.41
EASTING	+001.25
LOG DEPTH	0050.00
TRUE DEPTH	0049.98
TILT	2.49 DG
BEARING	48.80 DG
NORTHING	+001.20
EASTING	+000.77
LOG DEPTH	0040.00
TRUE DEPTH	0039.99
TILT	2.09 DG
BEARING	31.64 DG
NORTHING	+000.91
EASTING	+000.44
LOG DEPTH	0030.00
TRUE DEPTH	0030.00
TILT	1.55 DG
BEARING	19.73 DG
NORTHING	+000.60
EASTING	+000.25
LOG DEPTH	0020.00
TRUE DEPTH	0020.00
TILT	1.32 DG
BEARING	12.26 DG
NORTHING	+000.34
EASTING	+000.15
LOG DEPTH	0010.00
TRUE DEPTH	0010.00
TILT	1.04 DG
BEARING	42.23 DG
NORTHING	+000.12
EASTING	+000.11
LOG DEPTH	0001.00
TRUE DEPTH	0001.00
TILT	.42 DG
BEARING	85.02 DG
NORTHING	+000.00
EASTING	+000.00

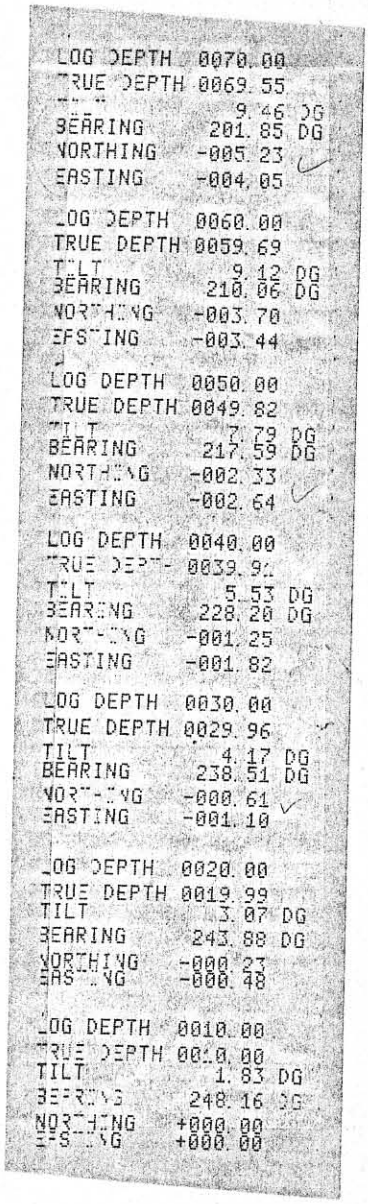
DEPTH	=	0010.00
TILT	=	1.66 DG
BEARING	=	359.43 DG
DEPTH	=	0020.00
TILT	=	.97 DG
BEARING	=	25.09 DG
DEPTH	=	0030.00
TILT	=	2.14 DG
BEARING	=	14.36 DG
DEPTH	=	0040.00
TILT	=	2.05 DG
BEARING	=	48.91 DG
DEPTH	=	0050.00
TILT	=	2.92 DG
BEARING	=	48.69 DG
DEPTH	=	0060.00
TILT	=	3.12 DG
BEARING	=	83.07 DG

DEPTH	=	0070.00
TILT	=	2.48 DG
BEARING	=	79.09 DG
DEPTH	=	0080.00
TILT	=	4.20 DG
BEARING	=	83.55 DG
DEPTH	=	0090.00
TILT	=	3.86 DG
BEARING	=	74.11 DG
DEPTH	=	0100.00
TILT	=	4.97 DG
BEARING	=	80.19 DG
DEPTH	=	0110.00
TILT	=	4.45 DG
BEARING	=	73.21 DG
DEPTH	=	0120.00
TILT	=	5.67 DG
BEARING	=	80.22 DG
DEPTH	=	0130.00
TILT	=	6.89 DG
BEARING	=	73.96 DG
DEPTH	=	0140.00
TILT	=	7.37 DG
BEARING	=	67.94 DG

DATE	031683
JOB NUMBER	1863
LOG LABEL	025.3
MAG 1 MAX	230
MAG 1 MIN	130
MAG 2 MAX	230
MAG 2 MIN	130
MAG 3 MAX	204
MAG 3 MIN	156
L. CELL 1 TILT 1	04
L. CELL 1 CPS 1	240
L. CELL 1 TILT 2	-04
L. CELL 1 CPS 2	198
L. CELL 2 TILT 1	04
L. CELL 2 CPS 1	240
L. CELL 2 TILT 2	-04
L. CELL 2 CPS 2	199
MAG 1 CENTRE	182
MAG 2 CENTRE	179
MAG 3 CENTRE	180
L. CELL 1 CENTRE	216
L. CELL 2 CENTRE	216
MAG DECL	22
STOP DEPTH	0001

RH 1863

RH 1864



```
LOG DEPTH   0070.00
TRUE DEPTH  0069.55
TILT           9.46 DG
BEARING      201.85 DG
NORTHING     -005.23
EASTING      -004.05

LOG DEPTH   0060.00
TRUE DEPTH  0059.69
TILT           9.12 DG
BEARING      210.06 DG
NORTHING     -003.70
EASTING      -003.44

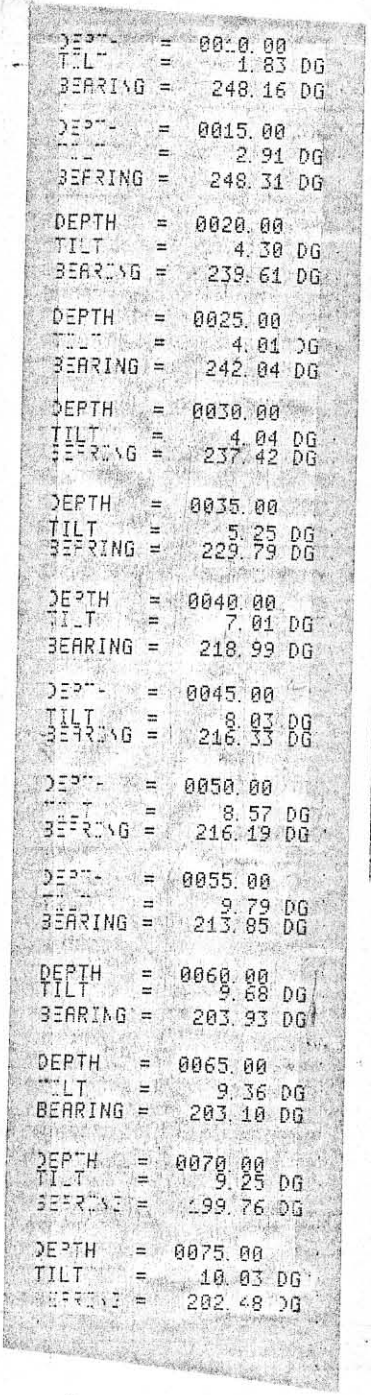
LOG DEPTH   0050.00
TRUE DEPTH  0049.82
TILT           7.79 DG
BEARING      217.59 DG
NORTHING     -002.33
EASTING      -002.64

LOG DEPTH   0040.00
TRUE DEPTH  0039.92
TILT           5.53 DG
BEARING      228.20 DG
NORTHING     -001.25
EASTING      -001.82

LOG DEPTH   0030.00
TRUE DEPTH  0029.96
TILT           4.17 DG
BEARING      238.51 DG
NORTHING     -000.61
EASTING      -001.10

LOG DEPTH   0020.00
TRUE DEPTH  0019.99
TILT           3.07 DG
BEARING      243.88 DG
NORTHING     -000.23
EASTING      -000.48

LOG DEPTH   0010.00
TRUE DEPTH  0010.00
TILT           1.83 DG
BEARING      248.16 DG
NORTHING     +000.00
EASTING      +000.00
```



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DEPTH    =  0010.00
TILT     =     1.83 DG
BEARING  =   248.16 DG

DEPTH    =  0015.00
TILT     =     2.91 DG
BEARING  =   248.31 DG

DEPTH    =  0020.00
TILT     =     4.30 DG
BEARING  =   239.61 DG

DEPTH    =  0025.00
TILT     =     4.01 DG
BEARING  =   242.04 DG

DEPTH    =  0030.00
TILT     =     4.04 DG
BEARING  =   237.42 DG

DEPTH    =  0035.00
TILT     =     5.25 DG
BEARING  =   229.79 DG

DEPTH    =  0040.00
TILT     =     7.01 DG
BEARING  =   218.99 DG

DEPTH    =  0045.00
TILT     =     8.03 DG
BEARING  =   216.33 DG

DEPTH    =  0050.00
TILT     =     8.57 DG
BEARING  =   216.19 DG

DEPTH    =  0055.00
TILT     =     9.79 DG
BEARING  =   213.85 DG

DEPTH    =  0060.00
TILT     =     9.68 DG
BEARING  =   203.93 DG

DEPTH    =  0065.00
TILT     =     9.36 DG
BEARING  =   203.10 DG

DEPTH    =  0070.00
TILT     =     9.25 DG
BEARING  =   199.76 DG

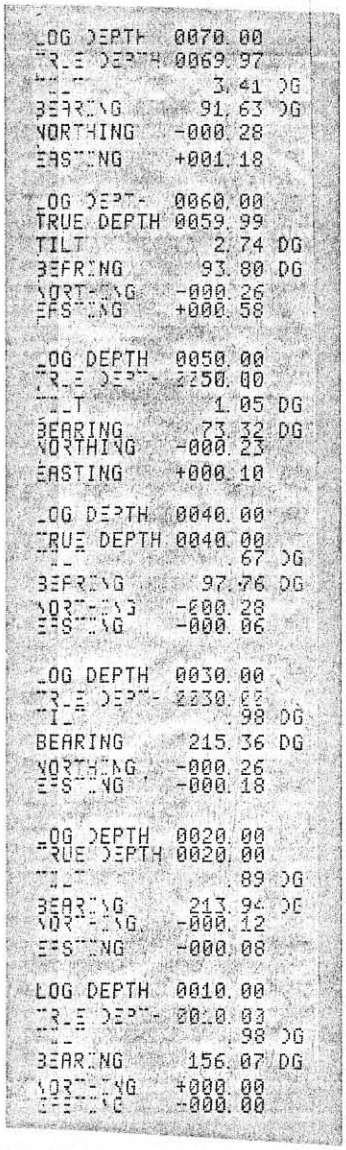
DEPTH    =  0075.00
TILT     =    10.03 DG
BEARING  =   202.48 DG
```

```
DATE              830312
JOB NUMBER          1864
LOG LABEL          025.1
MAG 1 MAX            230
MAG 1 MIN            130
MAG 2 MAX            230
MAG 2 MIN            130
MAG 3 MAX            204
MAG 3 MIN            156
L. CELL 1 TILT 1      10
L. CELL 1 CPS 1      271
L. CELL 1 TILT 2      10
L. CELL 1 CPS 2      166
L. CELL 2 TILT 1      10
L. CELL 2 CPS 1      271
L. CELL 2 TILT 2      10
L. CELL 2 CPS 2      168

MAG 1 CENTRE         182
MAG 2 CENTRE         179
MAG 3 CENTRE         180
L. CELL 1 CENTRE     222
L. CELL 2 CENTRE     220

MAG DECL              22
STOP DEPTH            10
```

RH 1866



```
LOG DEPTH   0070.00
TRUE DEPTH  0069.97
TILT           3.41 DG
BEARING       91.63 DG
NORTHING    -000.28
EASTING     +001.18

LOG DEPTH   0060.00
TRUE DEPTH  0059.99
TILT           2.74 DG
BEARING       93.80 DG
NORTHING    -000.26
EASTING     +000.58

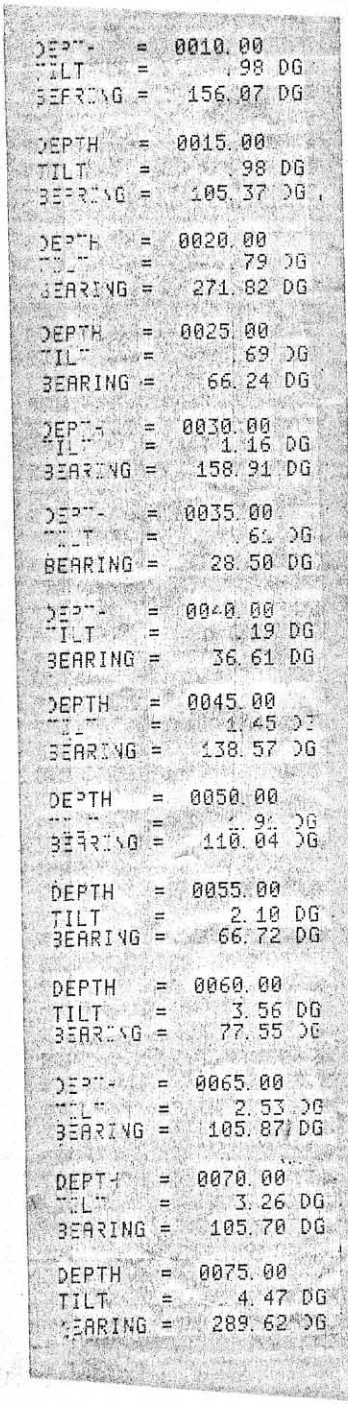
LOG DEPTH   0050.00
TRUE DEPTH  0050.00
TILT           1.05 DG
BEARING       73.32 DG
NORTHING    -000.23
EASTING     +000.10

LOG DEPTH   0040.00
TRUE DEPTH  0040.00
TILT           0.67 DG
BEARING       97.76 DG
NORTHING    -000.28
EASTING     -000.06

LOG DEPTH   0030.00
TRUE DEPTH  0030.00
TILT           0.98 DG
BEARING      215.36 DG
NORTHING    -000.26
EASTING     -000.18

LOG DEPTH   0020.00
TRUE DEPTH  0020.00
TILT           0.89 DG
BEARING      213.94 DG
NORTHING    -000.12
EASTING     -000.08

LOG DEPTH   0010.00
TRUE DEPTH  0010.03
TILT           0.98 DG
BEARING      156.07 DG
NORTHING    +000.00
EASTING     -000.00
```



```
DEPTH    =  0010.00
TILT     =     0.98 DG
BEARING  =   156.07 DG

DEPTH    =  0015.00
TILT     =     0.98 DG
BEARING  =   105.37 DG

DEPTH    =  0020.00
TILT     =     0.79 DG
BEARING  =   271.82 DG

DEPTH    =  0025.00
TILT     =     0.69 DG
BEARING  =    66.24 DG

DEPTH    =  0030.00
TILT     =     1.16 DG
BEARING  =   158.91 DG

DEPTH    =  0035.00
TILT     =     0.61 DG
BEARING  =    28.50 DG

DEPTH    =  0040.00
TILT     =     0.19 DG
BEARING  =    36.61 DG

DEPTH    =  0045.00
TILT     =     1.45 DG
BEARING  =   138.57 DG

DEPTH    =  0050.00
TILT     =     0.98 DG
BEARING  =   110.04 DG

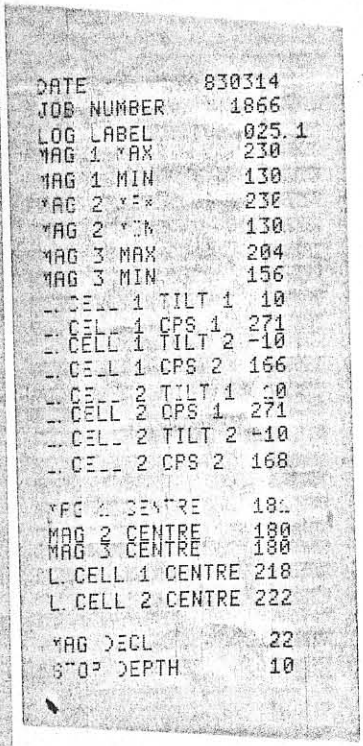
DEPTH    =  0055.00
TILT     =     2.10 DG
BEARING  =    66.72 DG

DEPTH    =  0060.00
TILT     =     3.56 DG
BEARING  =    77.55 DG

DEPTH    =  0065.00
TILT     =     2.53 DG
BEARING  =   105.87 DG

DEPTH    =  0070.00
TILT     =     3.26 DG
BEARING  =   105.70 DG

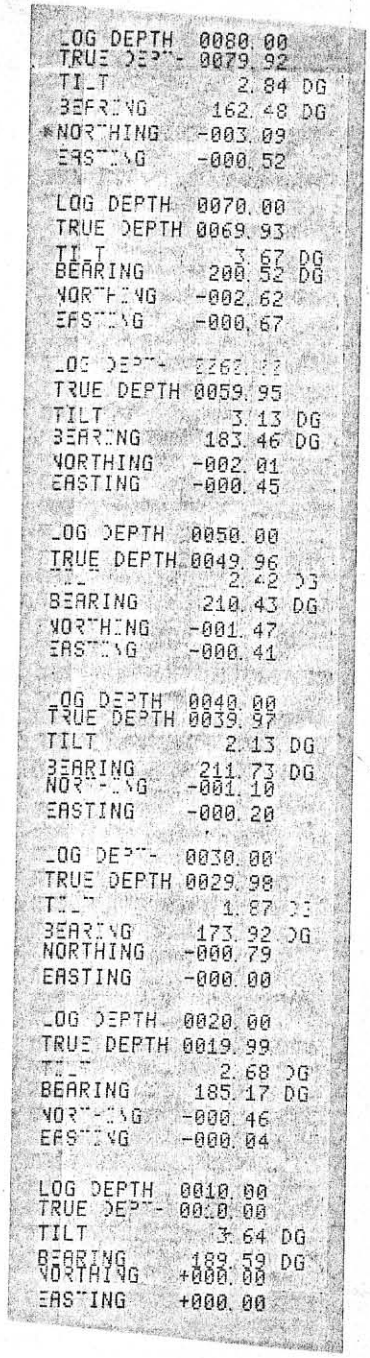
DEPTH    =  0075.00
TILT     =     4.47 DG
BEARING  =   289.62 DG
```



```
DATE              830314
JOB NUMBER          1866
LOG LABEL          025.1
MAG 1 MAX            230
MAG 1 MIN            130
MAG 2 MAX            230
MAG 2 MIN            130
MAG 3 MAX            204
MAG 3 MIN            156
L CELL 1 TILT 1       10
L CELL 1 CPS 1       271
L CELL 1 TILT 2      -10
L CELL 1 CPS 2       166
L CELL 2 TILT 1       20
L CELL 2 CPS 1       271
L CELL 2 TILT 2      -10
L CELL 2 CPS 2       168

MAG 1 CENTRE         184
MAG 2 CENTRE         180
MAG 3 CENTRE         180
L CELL 1 CENTRE      218
L CELL 2 CENTRE      222

MAG DECL              22
STOP DEPTH            10
```



```
LOG DEPTH   0080.00
TRUE DEPTH  0079.92
TILT           2.84 DG
BEARING      162.48 DG
NORTHING    -003.09
EASTING     -000.52

LOG DEPTH   0070.00
TRUE DEPTH  0069.93
TILT           3.67 DG
BEARING      200.52 DG
NORTHING    -002.62
EASTING     -000.67

LOG DEPTH   0060.00
TRUE DEPTH  0059.95
TILT           3.13 DG
BEARING      183.46 DG
NORTHING    -002.01
EASTING     -000.45

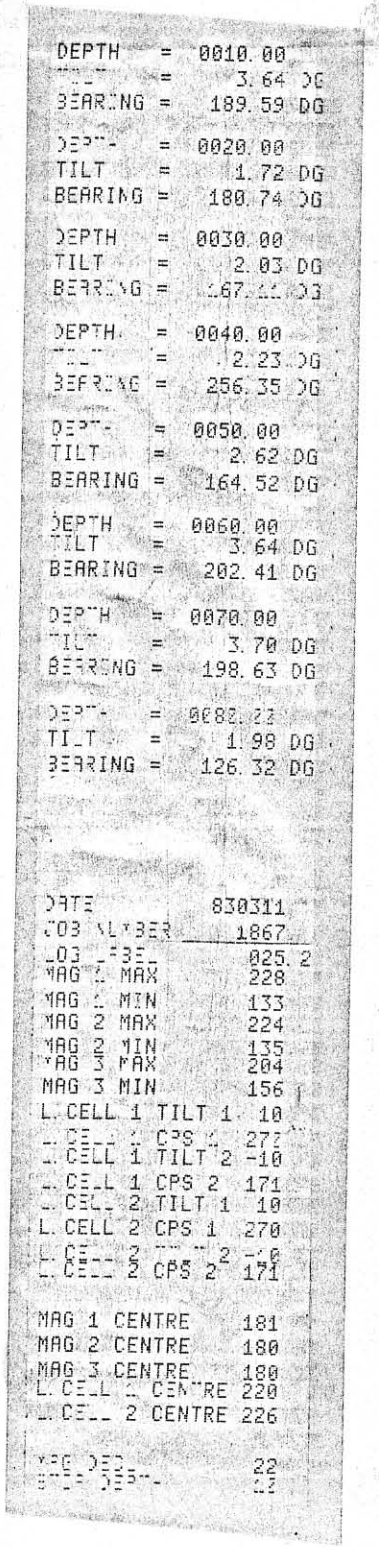
LOG DEPTH   0050.00
TRUE DEPTH  0049.96
TILT           2.42 DG
BEARING      210.43 DG
NORTHING    -001.47
EASTING     -000.41

LOG DEPTH   0040.00
TRUE DEPTH  0039.97
TILT           2.13 DG
BEARING      211.73 DG
NORTHING    -001.10
EASTING     -000.20

LOG DEPTH   0030.00
TRUE DEPTH  0029.98
TILT           1.87 DG
BEARING      173.92 DG
NORTHING    -000.79
EASTING     -000.00

LOG DEPTH   0020.00
TRUE DEPTH  0019.99
TILT           2.68 DG
BEARING      185.17 DG
NORTHING    -000.46
EASTING     -000.04

LOG DEPTH   0010.00
TRUE DEPTH  0010.00
TILT           3.64 DG
BEARING      189.59 DG
NORTHING    +000.00
EASTING     +000.00
```



```
DEPTH    =  0010.00
TILT     =     3.64 DG
BEARING  =   189.59 DG

DEPTH    =  0020.00
TILT     =     1.72 DG
BEARING  =   180.74 DG

DEPTH    =  0030.00
TILT     =     2.03 DG
BEARING  =   167.22 DG

DEPTH    =  0040.00
TILT     =     2.23 DG
BEARING  =   256.35 DG

DEPTH    =  0050.00
TILT     =     2.62 DG
BEARING  =   164.52 DG

DEPTH    =  0060.00
TILT     =     3.64 DG
BEARING  =   202.41 DG

DEPTH    =  0070.00
TILT     =     3.70 DG
BEARING  =   198.63 DG

DEPTH    =  0080.00
TILT     =     1.98 DG
BEARING  =   126.32 DG


DATE              830311
JOB NUMBER          1867
LOG BASE             025.2
MAG 1 MAX            228
MAG 1 MIN            133
MAG 2 MAX            224
MAG 2 MIN            135
MAG 3 MAX            204
MAG 3 MIN            156
L. CELL 1 TILT 1     10
L. CELL 1 CPS 1      272
L. CELL 1 TILT 2    -10
L. CELL 1 CPS 2      171
L. CELL 2 TILT 1     10
L. CELL 2 CPS 1      270
L. CELL 2 TILT 2    -00
L. CELL 2 CPS 2      171

MAG 1 CENTRE         181
MAG 2 CENTRE         180
MAG 3 CENTRE         180
L. CELL 1 CENTRE     220
L. CELL 2 CENTRE     226

MAG DEV               22
GYRO DEV              00
```

RH 1868

LOG DEPTH 0150.00
TRUE DEPTH 0149.70
TILT 5.89 DG
BEARING 89.11 DG
NORTHING -001.18
EASTING +007.79

LOG DEPTH 0140.00
TRUE DEPTH 0139.75
TILT 5.73 DG
BEARING 89.79 DG
NORTHING -001.20
EASTING +006.77

LOG DEPTH 0130.00
TRUE DEPTH 0129.80
TILT 5.44 DG
BEARING 94.67 DG
NORTHING -001.20
EASTING +005.77

LOG DEPTH 0120.00
TRUE DEPTH 0119.85
TILT 4.85 DG
BEARING 98.10 DG
NORTHING -001.12
EASTING +004.82

LOG DEPTH 0110.00
TRUE DEPTH 0109.89
TILT 4.28 DG
BEARING 98.52 DG
NORTHING -001.00
EASTING +003.98

LOG DEPTH 0100.00
TRUE DEPTH 0099.92
TILT 3.70 DG
BEARING 99.59 DG
NORTHING -000.89
EASTING +003.24

LOG DEPTH 0090.00
TRUE DEPTH 0089.94
TILT 3.34 DG
BEARING 99.72 DG
NORTHING -000.79
EASTING +002.61

LOG DEPTH 0080.00
TRUE DEPTH 0079.96
TILT 3.04 DG
BEARING 99.97 DG
NORTHING -000.69
EASTING +002.03

LOG DEPTH 0070.00
TRUE DEPTH 0069.97
TILT 2.71 DG
BEARING 103.50 DG
NORTHING -000.60
EASTING +001.51

LOG DEPTH 0060.00
TRUE DEPTH 0059.98
TILT 2.47 DG
BEARING 105.44 DG
NORTHING -000.48
EASTING +001.04

LOG DEPTH 0050.00
TRUE DEPTH 0049.99
TILT 1.94 DG
BEARING 109.81 DG
NORTHING -000.37
EASTING +000.63

LOG DEPTH 0040.00
TRUE DEPTH 0040.00
TILT 1.38 DG
BEARING 117.29 DG
NORTHING -000.25
EASTING +000.31

LOG DEPTH 0030.00
TRUE DEPTH 0030.00
TILT .92 DG
BEARING 123.14 DG
NORTHING -000.14
EASTING +000.10

LOG DEPTH 0020.00
TRUE DEPTH 0020.00
TILT .39 DG
BEARING 209.21 DG
NORTHING -000.06
EASTING -000.03

LOG DEPTH 0010.00
TRUE DEPTH 0010.00
TILT .00 DG
BEARING 291.99 DG
NORTHING +000.00
EASTING +000.00

DEPTH = 0010.00
TILT = .00 DG
BEARING = 291.99 DG

DEPTH = 0020.00
TILT = .79 DG
BEARING = 126.42 DG

DEPTH = 0030.00
TILT = 1.04 DG
BEARING = 119.87 DG

DEPTH = 0040.00
TILT = 1.72 DG
BEARING = 114.71 DG

DEPTH = 0050.00
TILT = 2.16 DG
BEARING = 104.92 DG

DEPTH = 0060.00
TILT = 2.77 DG
BEARING = 105.97 DG

DEPTH = 0070.00
TILT = 2.65 DG
BEARING = 101.04 DG

DEPTH = 0080.00
TILT = 3.43 DG
BEARING = 98.90 DG

DEPTH = 0090.00
TILT = 3.26 DG
BEARING = 100.53 DG

DEPTH = 0100.00
TILT = 4.14 DG
BEARING = 98.64 DG

DEPTH = 0110.00
TILT = 4.42 DG
BEARING = 98.40 DG

DEPTH = 0120.00
TILT = 5.28 DG
BEARING = 97.80 DG

DEPTH = 0130.00
TILT = 5.60 DG
BEARING = 91.54 DG

DEPTH = 0140.00
TILT = 5.87 DG
BEARING = 88.04 DG

DEPTH = 0150.00
TILT = 5.92 DG
BEARING = 90.17 DG

DATE 830312
JOB NUMBER 1868
LOG LABEL 025.1
VFG 1 MAX 230
MAG 1 MIN 130
MAG 2 MAX 230
MAG 2 MIN 130
VFG 3 MAX 204
MAG 3 MIN 156
L. CELL 1 TILT 1 10
L. CELL 1 CPS 1 271
L. CELL 1 TILT 2 -10
L. CELL 1 CPS 2 166
L. CELL 2 TILT 1 10
L. CELL 2 CPS 1 271
L. CELL 2 TILT 2 -10
L. CELL 2 CPS 2 168

MAG 1 CENTRE 181
MAG 2 CENTRE 179
MAG 3 CENTRE 180
L. CELL 1 CENTRE 220
L. CELL 2 CENTRE 218

VFG DECR 22
STOP DEPTH 10

RH 1949

```
LOG DEPTH   0150.00
TRUE DEPTH  0149.87
TILT           2.37 DG
BEARING      355.63 DG
NORTHING    +004.75
EASTING     -001.14

LOG DEPTH   0140.00
TRUE DEPTH  0139.88
TILT           2.42 DG
BEARING      357.86 DG
NORTHING    +004.34
EASTING     -001.11

LOG DEPTH   0130.00
TRUE DEPTH  0129.89
TILT           2.38 DG
BEARING      356.07 DG
NORTHING    +003.91
EASTING     -001.10

LOG DEPTH   0120.00
TRUE DEPTH  0119.90
TILT           2.44 DG
BEARING      354.39 DG
NORTHING    +003.50
EASTING     -001.07

LOG DEPTH   0110.00
TRUE DEPTH  0109.91
TILT           2.71 DG
BEARING      348.96 DG
NORTHING    +003.07
EASTING     -001.03

LOG DEPTH   0100.00
TRUE DEPTH  0099.92
TILT           3.15 DG
BEARING      343.40 DG
NORTHING    +002.61
EASTING     -000.94

LOG DEPTH   0090.00
TRUE DEPTH  0089.94
TILT           3.35 DG
BEARING      342.41 DG
NORTHING    +002.08
EASTING     -000.78

LOG DEPTH   0080.00
TRUE DEPTH  0079.96
TILT           3.20 DG
BEARING      339.64 DG
NORTHING    +001.53
EASTING     -000.60

LOG DEPTH   0070.00
TRUE DEPTH  0069.98
TILT           2.88 DG
BEARING      337.53 DG
NORTHING    +001.00
EASTING     -000.41

LOG DEPTH   0060.00
TRUE DEPTH  0059.99
TILT           3.00 DG
BEARING      338.28 DG
NORTHING    +000.54
EASTING     -000.22
```

```
LOG DEPTH   0050.00
TRUE DEPTH  0050.00
TILT           3.42 DG
BEARING      334.36 DG
NORTHING    +000.05
EASTING     -000.02

LOG DEPTH   0049.00
TRUE DEPTH  0049.00
TILT           3.59 DG
BEARING      328.58 DG
NORTHING    +000.00
EASTING     +000.00
```

```
DEPTH    =  0050.00
TILT     =     3.26 DG
BEARING  =   340.13 DG

DEPTH    =  0055.00
TILT     =     3.66 DG
BEARING  =   337.42 DG

DEPTH    =  0060.00
TILT     =     2.75 DG
BEARING  =   336.43 DG

DEPTH    =  0065.00
TILT     =     3.54 DG
BEARING  =   339.91 DG

DEPTH    =  0070.00
TILT     =     3.02 DG
BEARING  =   338.63 DG

DEPTH    =  0075.00
TILT     =     3.69 DG
BEARING  =   343.33 DG

DEPTH    =  0080.00
TILT     =     3.38 DG
BEARING  =   340.65 DG

DEPTH    =  0085.00
TILT     =     3.55 DG
BEARING  =   338.24 DG

DEPTH    =  0090.00
TILT     =     3.32 DG
BEARING  =   344.17 DG

DEPTH    =  0095.00
TILT     =     2.85 DG
BEARING  =   344.61 DG

DEPTH    =  0100.00
TILT     =     2.98 DG
BEARING  =   342.64 DG

DEPTH    =  0105.00
TILT     =     3.06 DG
BEARING  =   349.87 DG

DEPTH    =  0110.00
TILT     =     2.44 DG
BEARING  =   355.29 DG

DEPTH    =  0115.00
TILT     =     2.25 DG
BEARING  =   353.82 DG
```

```
DEPTH    =  0120.00
TILT     =     2.45 DG
BEARING  =   353.48 DG

DEPTH    =  0125.00
TILT     =     2.28 DG
BEARING  =   354.91 DG

DEPTH    =  0130.00
TILT     =     2.31 DG
BEARING  =   358.65 DG

DEPTH    =  0135.00
TILT     =     2.45 DG
BEARING  =   356.01 DG

DEPTH    =  0140.00
TILT     =     2.53 DG
BEARING  =   357.07 DG

DEPTH    =  0145.00
TILT     =     2.21 DG
BEARING  =   351.97 DG

DEPTH    =  0150.00
TILT     =     2.20 DG
BEARING  =   354.19 DG

DEPTH    =  0155.00
TILT     =     2.97 DG
BEARING  =   350.74 DG



DATE          060583
JOB NUMBER      1949
LOG LABEL      026.1
MAG 1 MAX        230
MAG 1 MIN        131
MAG 2 MAX        228
MAG 2 MIN        131
MAG 3 MAX        205
MAG 3 MIN        155
L.CELL 1 TILT 1   20
L.CELL 1 CPS 1   321
L.CELL 1 TILT 2  -20
L.CELL 1 CPS 2   116
L.CELL 2 TILT 1   20
L.CELL 2 CPS 1   323
L.CELL 2 TILT 2  -20
L.CELL 2 CPS 2   110

MAG 1 CENTRE     182
MAG 2 CENTRE     181
MAG 3 CENTRE     180
L.CELL 1 CENTRE  220
L.CELL 2 CENTRE  219

MAG DECL         021
STOP DEPTH      0049
```