

PAGE: 1 OWNER NAME: ISLAND CREEK CORPORATION
ALL DEPTH/THICKNESS DATA IN FEET

SERIAL NUM:TC1092686-003-3.00

LOG# 1 J EVSMT 1 (VA) 2 1: 24000.1 ID= 261

IDENTIFICATION SECTION

1. QUAD NAME: VRENT
2. STATE LOCATION OF QUAD: VA
3. SCALE OF QUAD: 2'
4. LOG ID #: 261
- 5.1 UNPUBLISHED RECORD. COMPANY OR AGENCY NAME: ISLAND CREEK CORP
6. DIVISION OR TRACT:
7. DRILL HOLE NUMBER: VS.105
8. CONTRIBUTING COMPANY OR AGENCY: ISLAND CREEK CORP
9. CONTRIBUTING COMPANY DOHH: VS.105

COORDINATES OF HOLE OR SECTION

- 12.1 STATE CODE: VAS
- 12.2 STATE PLANE N/S: 3609202.03
- 12.3 STATE PLANE E/W: 10436572.76
- 13.1 COMPANY GRID N/S: 21325.64
- 13.2 COMPANY GRID E/W: 17621.60

CIVIL DISTRICT WHERE LOCATED

17. STATE WHERE HOLE LOCATED: VA
18. COUNTY: BUCHANAN
19. TOWNSHIP, MAGISTERIAL DISTRICT, OR INCORPORATED PLACE:
20. GROUND LOCATION DESCRIPTION:

WORMHOLE OR SECTION DESCRIPTION

21. ELEVATION AT TOP OF HOLE OR SECTION: F 1712.00 DRILL ANGLE 0.
22. METHOD OF ELEVATION DETERMINATION:
23. NAME OF PERSON LOGGING: SCHLIMMER
24. YEAR DRILLED OR MEASURED: 0
25. TOTAL DEPTH OF DRILL HOLE: F 1703.000
26. BED CODE REGION IDENTIFIER: NAPP
27. CODE OF UPPERMOST IDENTIFIABLE BED: KEN
28. CODE OF LOWERMOST IDENTIFIABLE BED: PC3
- 29.1 KIND OF RECORD: E
- 29.2 METHOD OF LITHO DESCRIPTION: 1(CODE)
- 30.1 UNITS OF MEASUREMENT: 2(FT)
- 30.2 METHOD(S) OF MEASUREMENT: 1(TIM)

PERSON(S) LAST MODIFYING THIS LOG

31. PERSON SUBMITTING LOG FOR ENTRY: PBT
32. DATE OF LOG SUBMISSION (MM/DD/YYYY): 8-22-91
- LAST MODIFIED BY: DGL
DATE: 9/3/1992
- USED DATA: 20.00' NET COAL @ 1.5'

LOG# 1 J IVNSMT J IVAJ L 2 1: 24000. J 19= 261

LINE	CODE	ENGLISH	COMMENTS	CUMULATIVE	UNIT
1	001	CASTING ON SURFACE			
2	324	DRK GRY MASS SDY SH		40.000	40.000
3	005	OPEN HINE		56.000	16.000
4	500	SS		62.000	6.000
5	104	SH		120.000	58.000
6	324	DRK GRY MASS SDY SH		145.000	25.000
7	500	SS		150.000	5.000
8	104	SH		183.000	33.000
9	021	COMMON BANDED COAL		186.000	3.000
		* BED:ALY 20 ALY 20		186.000	2.000
10	104	SH			
11	500	SS		237.000	49.000
12	104	SH		245.000	8.000
13	021	COMMON BANDED COAL		247.000	2.000
		* BED:RYN 20 RYN 20		249.000	2.000
14	104	SH			
15	500	SS		255.000	6.000
16	104	SH		343.000	88.000
17	030	IMPURE COAL		384.000	41.000
		* BED:JAW 10 JAW 10		386.000	2.000
18	104	SH			
19	500	SS		396.000	10.000
20	104	SH		400.000	4.000
21	500	SS		405.000	5.000
22	324	DRK GRY MASS SDY SH		415.000	10.000
23	104	SH		423.000	8.000
24	021	COMMON BANDED COAL		429.000	6.000
		* BED:JAW 20 JAW 20		431.000	2.000
25	104	SH			
26	324	DRK GRY MASS SDY SH		440.000	9.000
27	500	SS		450.000	10.000
28	104	SH		484.000	34.000
29	030	IMPURE COAL		510.000	26.000
		* BED:TIL 20 TIL 20		512.000	2.000
30	104	SH			
31	030	IMPURE COAL		519.000	7.000
		* BED:TIL 30 TIL 30		521.000	2.000
32	324	DRK GRY MASS SDY SH			
33	500	SS		528.000	7.000
34	324	DRK GRY MASS SDY SH		534.000	6.000
35	104	SH		556.000	22.000
36	500	SS		639.000	83.000
37	104	SH		648.000	9.000
38	030	IMPURE COAL		650.000	2.000
		* BED:USB 20 USB 20		652.000	2.000
39	104	SH			
40	500	SS		657.000	5.000
41	550	KTLIZED SS		739.000	82.000
		* BED:MQA 10 MQA 10		759.000	20.000
42	030	IMPURE COAL			
		* BED:GYC 10 GYC 10		761.000	2.000

LOG#1 1 DWSHT 1 DIA 1: 26000.1 10= 261

LINE	CODE	ENGLISH	COMMENTS	CUMULATIVE	UNIT
43	324	DRK GRY MASS SDY SH		770.000	9.000
44	500	SS		799.000	25.000
45	104	SH		823.000	28.000
46	324	DRK GRY MASS SDY SH		902.000	79.000
47	500	SS		926.000	26.000
48	324	DRK GRY MASS SDY SH		945.000	17.000
49	500	SS		952.000	7.000
50	324	DRK GRY MASS SDY SH		963.000	11.000
51	104	SH		979.000	16.000
52	021	COMMON BANDED COAL		981.000	2.000
		* BED:UNP 10 UNP 10			
53	500	SS		997.000	16.000
54	104	SH		999.000	2.000
55	021	COMMON BANDED COAL		1001.000	2.000
		* BED:UNP 20 UNP 20			
56	104	SH		1004.000	3.000
57	500	SS		1015.000	11.000
58	324	DRK GRY MASS SDY SH		1039.000	24.000
59	021	COMMON BANDED COAL		1041.000	2.000
		* BED:MHP 10 MHP 10			
60	104	SH		1054.000	13.000
61	500	SS		1075.000	21.000
62	104	SH		1160.000	85.000
		* BED:SLB 10 SLB 10			
63	500	SS		1176.000	16.000
64	104	SH		1211.000	35.000
65	021	COMMON BANDED COAL		1213.000	2.000
		* BED:LHP 20 LHP 20			
66	234	LT GRY GRN SH W/LB MUDS		1222.000	9.000
67	500	SS		1231.000	9.000
68	324	DRK GRY MASS SDY SH		1236.000	5.000
69	500	SS		1253.000	17.000
70	104	SH		1272.000	19.000
71	021	COMMON BANDED COAL		1275.000	3.000
		* BED:PCP 10 PCP 10			
72	104	SH		1290.000	15.000
73	500	SS		1306.000	16.000
74	104	SH		1310.000	4.000
75	030	IMPURE COAL		1312.000	2.000
		* BED:PCP 20 PCP 20			
76	323	DRK GRY SH W/SS STKS		1337.000	25.000
77	500	SS		1352.000	15.000
78	324	DRK GRY MASS SDY SH		1368.000	16.000
79	500	SS		1384.000	16.000
80	324	DRK GRY MASS SDY SH		1387.000	3.000
81	500	SS		1409.000	22.000
82	550	XTLIZED SS		1484.000	75.000
		* BED:LQA 10 LQA 10			
83	550	XTLIZED SS		1558.000	74.000
		* BED:LQA 20 LQA 20			

PAGE: 4 OWNER NAME: ISLAND CREEK CORPORATION
ALL DEPTH/THICKNESS DATA IN FEET

SERIAL NUMBER: IC1092686-003-3.00

LOG# 1 DWSMT 1 (VAL) [2 1: 24000.1 (D= 261

LINE	CODE	ENGLISH	COMMENTS	CUMULATIVE	UNIT
84	324	DRK GRY MASS SDY SH			
85	021	COMMON BANDED COAL		1572.000	14.000
		* BED:PCS 20 PCS 20		1574.000	2.000
86	324	DRK GRY MASS SDY SH			
87	500	SS		1591.000	17.000
88	324	DRK GRY MASS SDY SH		1656.000	65.000
89	500	SS		1673.000	17.000
90	324	DRK GRY MASS SDY SH		1683.000	10.000
91	500	SS		1689.000	6.000
92	324	DRK GRY MASS SDY SH		1693.000	4.000
93	021	COMMON BANDED COAL		1697.000	4.000
		* BED:PCS 20 PCS 20		1703.000	6.000
94	001	CASING OR SURFACE		1723.000	20.000

PAGE: 1 OWNER NAME: ISLAND CREEK CORPORATION
ALL DEPTH/THICKNESS DATA IN FEET

SERIAL NUMBER: C092686-003-3.00

LOG# 1 EVENT 1 PVA2 [2 1: 24000.1] ID# 268

IDENTIFICATION SECTION

1. QUAD NAME: VNSHT
2. STATE LOCATION OF QUAD: VA
3. SCALE OF QUAD: 2
4. LOG ID #: 268
- 5.1 UNPUBLISHED RECORD, COMPANY OR AGENCY NAME: ISLAND CREEK CORP
6. DIVISION OR TRACT:
7. DRILL HOLE NUMBER: V5.112
8. CONTRIBUTING COMPANY OR AGENCY: ISLAND CREEK CORP
9. CONTRIBUTING COMPANY COR#: V5.112

COORDINATES OF HOLE OR SECTION

- 12.1 STATE CODE: VAS
- 12.2 STATE PLANE N/S: 3608A24.60
- 12.3 STATE PLANE E/W: 70437174.50
- 15.1 COMPANY GRID N/S: 20566.18
- 15.2 COMPANY GRID E/W: 18244.85

CIVIL DISTRICT WHERE LOCATED

17. STATE WHERE HOLE LOCATED: VA
18. COUNTY: BUCHANAN
19. TOWNSHIP, MAGISTERIAL DISTRICT, OR INCORPORATED PLACE:
20. GROUND LOCATION DESCRIPTION: SOUTHWEST VP-5.

BOREROLE OR SECTION DESCRIPTION

21. ELEVATION AT TOP OF HOLE OR SECTION: F 1815.00 DRILL ANGLE 0.
22. METHOD OF ELEVATION DETERMINATION: 8
23. NAME OF PERSON LOGGING: SCHLUMBERGER
24. YEAR DRILLED OR MEASURED: 0
25. TOTAL DEPTH OF DRILL HOLE: F 1785.000
26. BED CODE REGION IDENTIFIER: RAMP
27. CODE OF UPPERMOST IDENTIFIABLE BED: ALY
28. CODE OF LOWERMOST IDENTIFIABLE BED: PCS
- 29.1 KIND OF RECORD: E
- 29.2 METHOD OF LITHO DESCRIPTION: 1(CODE)
- 30.1 UNITS OF MEASUREMENT: 2(FT)
- 30.2 METHOD(S) OF MEASUREMENT: 1(THK)

PERSON(S) LAST MODIFYING THIS LOG

31. PERSON SUBMITTING LOG FOR ENTRY: P01
32. DATE OF LOG SUBMISSION (MM/DD/YYYY): 8-22-91
- LAST MODIFIED BY: DGL
- DATE: 9/6/1992
- USER DATA: 37.00' NET COAL @ 7.52'

LOG#2 1 EVNMT 1 EVA1 1 2 1: 24000-1 10+ 268

LINE	CODE	ENGLISH	COMMENTS	CUMULATIVE	UNIT
1	001	CASING ON SURFACE		30.000	30.000
2	104	SH		75.000	45.000
3	500	SS		97.000	22.000
4	104	SH		103.000	6.000
5	500	SS		110.000	7.000
6	324	DRK GRY MASS SDY SH		118.000	8.000
7	500	SS		180.000	62.000
8	104	SH		211.000	31.000
9	500	SS		239.000	28.000
10	324	DRK GRY MASS SDY SH		242.000	3.000
11	021	COMMON BANDED COAL		243.000	1.000
* BED:ALY 20 ALY 20					
12	104	SH		248.000	5.000
13	500	SS		254.000	6.000
14	104	SH		286.000	34.000
15	500	SS		299.000	11.000
16	104	SH		308.000	9.000
17	021	COMMON BANDED COAL		310.000	2.000
* BED:RYN 10 RYN 10					
18	104	SH		318.000	8.000
19	500	SS		338.000	20.000
20	322	DRK GRY SH-INTERBED SS		346.000	8.000
21	500	SS		401.000	55.000
22	104	SH		444.000	43.000
23	021	COMMON BANDED COAL		446.000	2.000
* BED:JAM 10 JAM 10					
24	324	DRK GRY MASS SDY SH		466.000	18.000
25	500	SS		470.000	4.000
26	324	DRK GRY MASS SDY SH		481.000	11.000
27	104	SH		498.000	17.000
28	021	COMMON BANDED COAL		500.000	2.000
* BED:JAM 20 JAM 20					
29	104	SH		511.000	11.000
30	500	SS		518.000	7.000
31	104	SH		522.000	4.000
32	500	SS		534.000	12.000
33	104	SH		561.000	27.000
34	030	IMPURE COAL		563.000	2.000
* BED:TIL 20 TIL 20					
35	104	SH		569.000	6.000
36	030	IMPURE COAL		571.000	2.000
* BED:TIL 30 TIL 30					
37	323	DRK GRY SH W/SS STRS		589.000	18.000
38	104	SH		671.000	82.000
39	324	DRK GRY MASS SDY SH		689.000	18.000
40	021	COMMON BANDED COAL		689.000	.000
* BED:USB 10 USB 10					
41	500	SS		702.000	13.000
42	021	COMMON BANDED COAL		703.000	1.000
* BED:USB 20 USB 20					

PAGE: 3 OWNER NAME: ISLAND CREEK CORPORATION
ALL DEPTH/THICKNESS DATA IN FEET

SERIAL NUMBER: ICT092688-003-3,00

LOG# 3 (VINT) 3 (VAL) 2 1: 26000.1 10= 268

LINE	CODE	ENGLISH	COMMENTS	CUMULATIVE	UNIT
43	104	SH		715.000	12.000
44	500	SS		797.000	76.000
45	550	STRATIFIED SS		811.000	20.000
		* BED:MSA 10 MSA 10			
46	021	COMMON BANDED COAL		812.000	1.000
		* BED:GYC 10 GYC 10			
47	324	DRK GRY MASS SDY SH		821.000	9.000
48	500	SS		847.000	26.000
49	325	DRK GRY SH W/SS STKS		888.000	41.000
50	324	DRK GRY MASS SDY SH		905.000	17.000
51	030	IMPURE COAL		907.000	2.000
		* BED:MMB 20 MMB 20			
52	324	DRK GRY MASS SDY SH		940.000	33.000
53	500	SS		943.000	3.000
54	324	DRK GRY MASS SDY SH		958.000	15.000
55	500	SS		995.000	37.000
56	324	DRK GRY MASS SDY SH		1001.000	6.000
57	500	SS		1012.000	11.000
58	324	DRK GRY MASS SDY SH		1019.000	7.000
59	104	SH		1039.000	20.000
60	021	COMMON BANDED COAL		1041.000	2.000
		* BED:UNP 10 UNP 10			
61	104	SH		1050.000	9.000
62	500	SS		1056.000	6.000
63	322	DRK GRY SH+INTERBED SS		1065.000	9.000
64	021	COMMON BANDED COAL		1067.000	2.000
		* BED:UNP 20 UNP 20			
65	322	DRK GRY SH+INTERBED SS		1100.000	33.000
66	500	SS		1103.000	3.000
67	104	SH		1105.000	2.000
68	021	COMMON BANDED COAL		1107.000	2.000
		* BED:MP 10 MP 10			
69	322	DRK GRY SH+INTERBED SS		1120.000	13.000
70	500	SS		1133.000	13.000
71	104	SH		1196.000	63.000
		* BED:CLS 10 CLS 10			
72	021	COMMON BANDED COAL		1199.000	3.000
		* BED:MRC 10 MRC 10			
73	324	DRK GRY MASS SDY SH		1204.000	5.000
74	500	SS		1219.000	15.000
75	324	DRK GRY MASS SDY SH		1222.000	3.000
76	500	SS		1248.000	26.000
77	104	SH		1258.000	10.000
78	021	COMMON BANDED COAL		1260.000	2.000
		* BED:LHP 10 LHP 10			
79	324	DRK GRY MASS SDY SH		1271.000	11.000
80	021	COMMON BANDED COAL		1273.000	2.000
		* BED:LHP 20 LHP 20			
81	324	DRK GRY MASS SDY SH		1294.000	21.000
82	500	SS		1320.000	26.000

LOG#1 3 DWENT 1 (VA) 2 1: 26000.1 10= 268

LINE	CODE	ENGLISH	COMMENTS	CUMULATIVE	UNIT
83	324	DRK GRY MASS SDY SH		1341.000	21.000
84	021	COMMON Banded COAL		1344.000	3.000
		* BED:PC9 10 PC9 10			
85	322	DRK GRY SH+INTERBED SS		1370.000	26.000
86	104	SH		1380.000	10.000
87	021	COMMON Banded COAL		1382.000	2.000
		* BED:PC9 20 PC9 20			
88	104	SH		1395.000	13.000
89	324	DRK GRY MASS SDY SH		1404.000	9.000
90	104	SH		1418.000	14.000
91	324	DRK GRY MASS SDY SH		1443.000	25.000
92	500	SS		1450.000	7.000
93	324	DRK GRY MASS SDY SH		1465.000	15.000
94	543	GRY SS W/SH BTCS		1491.000	26.000
95	550	XTLIZED SS		1580.000	89.000
		* BED:LQA 10 LQA 10			
96	324	DRK GRY MASS SDY SH		1597.000	7.000
97	550	XTLIZED SS		1603.000	6.000
		* BED:LQA 20			
98	500	SS		1618.000	15.000
99	550	XTLIZED SS		1627.000	9.000
		* BED:LQA 20			
100	021	COMMON Banded COAL		1629.000	2.000
		* BED:PCS 10 PCS 10			
101	104	SH		1644.000	15.000
102	021	COMMON Banded COAL		1647.000	3.000
		* BED:PCS 20 PCS 20			
103	104	SH		1649.000	2.000
104	500	SS		1710.000	61.000
105	021	COMMON Banded COAL		1716.000	6.000
		* BED:PCA 10 PCA 10			
106	322	DRK GRY SH+INTERBED SS		1746.000	30.000
107	021	COMMON Banded COAL		1752.000	6.000
		* BED:PCS 20 PCS 20			
108	324	DRK GRY MASS SDY SH		1764.000	12.000
109	001	CASING OR SURFACE		1785.000	21.000

PAGE: 1 OWNER NAME: ISLAND CREEK CORPORATION
ALL DEPTH/THICKNESS DATA IN FEET

SERIAL NUM:IC1092685-003-3.00

LOG#1 3 (VNSMT 1 (VA) 1 2 14 24000.3 104 249

IDENTIFICATION SECTION

1. QUAD NAME: VNSMT
2. STATE LOCATION OF QUAD: VA
3. SCALE OF QUAD: 2
4. LOG ID #: 249
- 5.1 UNPUBLISHED RECORD. COMPANY OR AGENCY NAME: ISLAND CREEK CORP
6. DIVISION OR TRACT:
7. DRILL HOLE NUMBER: VS.113
8. CONTRIBUTING COMPANY OR AGENCY: ISLAND CREEK CORP
9. CONTRIBUTING COMPANY DRAW: VS.113

COORDINATES OF HOLE OR SECTION

- 12.1 STATE CODE: VAS
- 12.2 STATE PLANE N/S: 5608302.54
- 12.3 STATE PLANE E/W: 10438187.75
- 13.1 COMPANY GRID N/S: 20472.39
- 13.2 COMPANY GRID E/W: 19261.25

CIVIL DISTRICT WHERE LOCATED

17. STATE WHERE HOLE LOCATED: VA
18. COUNTY: MICHAMAN
19. TOWNSHIP, MAGISTERIAL DISTRICT, OR INCORPORATED PLACE:
20. GROUND LOCATION DESCRIPTION: SOUTHWEST VP-5 MINE

BOREHOLE OR SECTION DESCRIPTION

21. ELEVATION AT TOP OF HOLE OR SECTION: F 2172.00 DRILL ANGLE 0.
22. METHOD OF ELEVATION DETERMINATION:
23. NAME OF PERSON LOGGING: SCHLIMBERGER
24. YEAR DRILLED OR MEASURED: 0
25. TOTAL DEPTH OF DRILL HOLE: F 1984.000
26. BED CODE REGION IDENTIFIER: MAPP
27. CODE OF UPPERMOST IDENTIFIABLE BED: KEN
28. CODE OF LOWERMOST IDENTIFIABLE BED: PCS
- 29.1 KIND OF RECORD: E
- 29.2 METHOD OF LITHO DESCRIPTION: 1(CODE)
- 30.1 UNITS OF MEASUREMENT: 2(FT 1
- 30.2 METHOD(S) OF MEASUREMENT: 1(THK 1

PERSON(S) LAST MODIFYING THIS LOG

31. PERSON SUBMITTING LOG FOR ENTRY: PMY
32. DATE OF LOG SUBMISSION (MM/DD/YYYY): 8-22-91
- LAST MODIFIED BY: DGL
- DATE: 9/4/1992
- USER DATA: 24.00' NET COAL >=1.5'

LOG# 1 CHSMT 1 DIA 1 2 1/2 24000.1 10 269

LINE	CODE	ENGLISH	COMMENTS	CUMULATIVE	UNIT
1	001	CASTING OR SURFACE		30.000	30.000
2	104	SH		35.000	5.000
3	500	SS		43.000	8.000
4	104	SH		97.000	54.000
5	324	DRK DRY MASS SDY SH		103.000	6.000
6	500	SS		109.000	6.000
7	323	DRK DRY SH W/SS STKS		168.000	59.000
8	324	DRK GRY MASS SDY SH		177.000	9.000
9	104	SH		187.000	10.000
10	324	DRK GRY MASS SDY SH		196.000	9.000
11	104	SH		200.000	4.000
12	500	SS		204.000	4.000
13	324	DRK GRY MASS SDY SH		207.000	3.000
14	323	DRK GRY SH+INTERBED SS		293.000	86.000
15	500	SS		297.000	4.000
16	104	SH		306.000	9.000
17	021	COMMON BANDED COAL		309.000	3.000
* BED:KEN 10 KEN 10					
18	104	SH		314.000	5.000
19	500	SS		386.000	74.000
20	324	DRK DRY MASS SDY SH		400.000	12.000
21	104	SH		407.000	7.000
22	104	SH		418.000	11.000
23	324	DRK DRY MASS SDY SH		422.000	4.000
24	500	SS		430.000	28.000
25	104	SH		433.000	3.000
26	021	COMMON BANDED COAL		435.000	2.000
* BED:ALY 20 ALY 20					
27	104	SH		461.000	6.000
28	500	SS		464.000	3.000
29	104	SH		502.000	38.000
30	324	DRK DRY MASS SDY SH		509.000	7.000
31	104	SH		516.000	7.000
32	021	COMMON BANDED COAL		518.000	2.000
* BED:RYN 20 RYN 20					
33	324	DRK DRY MASS SDY SH		528.000	10.000
34	500	SS		610.000	82.000
35	323	DRK DRY SH W/SS STKS		618.000	8.000
36	500	SS		623.000	5.000
37	104	SH		653.000	30.000
38	021	COMMON BANDED COAL		654.000	1.000
* BED:JAW 10 JAW 10					
39	104	SH		664.000	10.000
40	500	SS		687.000	23.000
41	543	GRY SS W/SH STKS		694.000	7.000
42	104	SH		702.000	8.000
43	021	COMMON BANDED COAL		704.000	2.000
* BED:JAW 20 JAW 20					
44	104	SH		709.000	5.000
45	500	SS		759.000	50.000

LOG# 1 1 (VMSKT 1 (VAT 1 2 1 24000.1 ID# 289

LINE	CODE	ENGLISH	COMMENTS	CUMULATIVE	UNIT
46	104	SH		784.000	25.000
47	021	COMMON Banded COAL		785.000	1.000
		* BED:TIL 20 TIL 20			
48	324	DRK GRY MASS SDY SH		790.000	5.000
49	104	SH		795.000	5.000
50	021	COMMON Banded COAL		796.000	1.000
		* BED:TIL 30 TIL 30			
51	324	DRK GRY MASS SDY SH		887.000	91.000
52	030	IMPURE COAL		889.000	2.000
		* BED:USB 10 USB 10			
53	104	SH		902.000	13.000
54	322	DRK GRY SH+INTERBED SH		914.000	12.000
55	030	IMPURE COAL		915.000	1.000
		* BED:USB 20 USB 20			
56	104	SH		932.000	17.000
57	323	DRK GRY SH W/SS STRK		938.000	6.000
58	500	SS		1015.000	77.000
59	323	DRK GRY SH W/SS STRK		1028.000	13.000
60	021	COMMON Banded COAL		1029.000	1.000
		* BED:GYC 10 GYC 10			
61	324	DRK GRY MASS SDY SH		1043.000	14.000
62	500	SS		1068.000	25.000
63	104	SH		1133.000	65.000
64	324	DRK GRY MASS SDY SH		1143.000	10.000
65	104	SH		1155.000	12.000
66	500	SS		1208.000	53.000
67	322	DRK GRY SH+INTERBED SH		1228.000	20.000
68	104	SH		1251.000	23.000
69	021	COMMON Banded COAL		1253.000	2.000
		* BED:UNP 10 UNP 10			
70	104	SH		1259.000	6.000
71	500	SS		1277.000	18.000
72	104	SH		1280.000	3.000
73	021	COMMON Banded COAL		1282.000	2.000
		* BED:UNP 20 UNP 20			
74	104	SH		1293.000	11.000
75	324	DRK GRY MASS SDY SH		1310.000	17.000
76	021	COMMON Banded COAL		1312.000	2.000
		* BED:UNP 10 UNP 10			
77	104	SH		1317.000	5.000
78	543	DRY SS W/SH STRK		1333.000	16.000
79	324	DRK GRY MASS SDY SH		1340.000	7.000
		* BED:CLS 10			
80	104	SH		1392.000	52.000
81	324	DRK GRY MASS SDY SH		1402.000	10.000
82	104	SH		1408.000	6.000
		* BED:CLS 10			
83	500	SS		1422.000	14.000
84	104	SH		1432.000	10.000
85	500	SS		1465.000	33.000

LOG# 1 CHSMT 1 DVAL 2 1: 24000.3 TD: 260

LINE	CORE	ENGLISH	COMMENTS	CUMULATIVE	UNIT
86	106	SH		1479.000	11.000
87	500	SS		1487.000	8.000
88	104	SH		1489.000	2.000
89	021	COMMON BANDED COAL		1491.000	2.000
		* BED:LHP 20 LHP 20			
90	324	DRK GRY MASS SDY SH		1508.000	17.000
91	500	SS		1535.000	27.000
92	324	DRK GRY MASS SDY SH		1542.000	7.000
93	104	SH		1554.000	12.000
94	021	COMMON BANDED COAL		1557.000	3.000
		* BED:PC9 10 PC9 10			
95	104	SH		1576.000	19.000
96	324	DRK GRY MASS SDY SH		1596.000	22.000
97	104	SH		1600.000	2.000
98	021	COMMON BANDED COAL		1602.000	2.000
		* BED:PC9 20 PC9 20			
99	104	SH		1618.000	16.000
100	324	DRK GRY MASS SDY SH		1636.000	18.000
101	323	DRK GRY SH W/SS STR		1679.000	42.000
102	543	GRY SS W/SH STR		1689.000	21.000
103	350	XTLIZED SS		1772.000	73.000
		* BED:LQA 10 LQA 10			
104	350	XTLIZED SS		1844.000	72.000
		* BED:LQA 20 LQA 20			
105	021	COMMON BANDED COAL		1849.000	5.000
		* BED:PCS 20 PCS 20			
106	104	SH		1857.000	8.000
107	500	SS		1900.000	43.000
108	021	COMMON BANDED COAL		1902.000	2.000
		* BED:PCA 10 PCA 10			
109	104	SH		1928.000	26.000
110	324	DRK GRY MASS SDY SH		1941.000	13.000
111	104	SH		1953.000	12.000
112	021	COMMON BANDED COAL		1959.000	6.000
		* BED:PCS 20 PCS 20			
113	001	CASTING ON SURFACE		1986.000	25.000

PAGE: 1 OWNER NAME: ISLAND CREEK CORPORATION
ALL DEPTH/THICKNESS DATA IN FEET

SERIAL NUM:ICID9268A-005-3.00

LOG#F 1 [VMSH] 1 [VAD] [2 1: 24000.] ID= 220

IDENTIFICATION SECTION

1. QUAD NAME: VMSH?
2. STATE LOCATION OF QUAD: VA
3. SCALE OF QUAD: 2
4. LOG ID #: 220
- 5.1 UNPUBLISHED RECORD. COMPANY OR AGENCY NAME: ISLAND CREEK CORP
6. DIVISION OR TRACT:
7. DRILL HOLE NUMBER: VS.168
8. CONTRIBUTING COMPANY OR AGENCY: ISLAND CREEK CORP
9. CONTRIBUTING COMPANY DRAW: VS.168

COORDINATES OF HOLE OR SECTION

- 12.1 STATE CODE: VAS
- 12.2 STATE PLANE N/S: 3604581.61
- 12.3 STATE PLANE E/W: 10438940.09
- 15.1 COMPANY GRID N/S: 18772.88
- 15.2 COMPANY GRID E/W: 20041.38

CIVIL DISTRICT WHERE LOCATED

17. STATE WHERE HOLE LOCATED: VA
18. COUNTY: BUCHANAN
19. TOWNSHIP, MAGISTERIAL DISTRICT, OR INCORPORATED PLACE:
20. GROUND LOCATION DESCRIPTION: SOUTHWEST VP-5 MINE

BOREROLE OR SECTION DESCRIPTION

21. ELEVATION AT TOP OF HOLE OR SECTION: F 1628.00 DRILL ANGLE 0.
22. METHOD OF ELEVATION DETERMINATION: S
23. NAME OF PERSON LOGGING: GLS
24. YEAR DRILLED OR MEASURED: 1967
25. TOTAL DEPTH OF DRILL HOLE: F 1507.000
26. BED CODE REGION IDENTIFIER: HAPF
27. CODE OF UPPERMOST IDENTIFIABLE BED: T1L
28. CODE OF LOWERMOST IDENTIFIABLE BED: PCJ
- 29.1 KIND OF RECORD: E
- 29.2 METHOD OF LITHO DESCRIPTION: 1(CODE)
- 30.1 UNITS OF MEASUREMENT: 2(FT.)
- 30.2 METHOD(S) OF MEASUREMENT: 1(THIN)

PERSON(S) LAST MODIFYING THIS LOG

31. PERSON SUBMITTING LOG FOR ENTRY: RMS
32. DATE OF LOG SUBMISSION (MM/DD/YYYY): 6/25/91
- LAST MODIFIED BY: DGL
- DATE: 9/4/1992

USER DATA:

LOG# 1 3 (VMS) 1 (VMS) 1 2 11 24000.1 ID# 220

LINE	CODE	ENGLISH	COMMENT#	CUMULATIVE	UNIT
1	001	CASINO OR SURFACE		294.000	294.000
2	124	DRK GRY SH		302.000	8.000
3	021	DULL OR CANNEL COAL		302.750	.750
		* BED:TIL 20 TIL 20			
4	124	DRK GRY SH		311.250	8.500
5	021	COMMON BANDED COAL		312.000	.750
		* BED:TIL 30 TIL 30			
6	124	DRK GRY SH		318.000	6.000
7	324	DRK GRY MASS SDY SH		328.000	10.000
8	124	DRK GRY SH		410.000	82.000
9	021	COMMON BANDED COAL		410.500	.500
		* BED:USB 10 USB 10			
10	124	DRK GRY SH		413.000	2.500
11	324	DRK GRY MASS SDY SH		451.000	38.000
12	021	COMMON BANDED COAL		452.000	1.000
		* BED:USB 20 USB 20			
13	324	DRK GRY MASS SDY SH		467.000	15.000
14	124	DRK GRY SH		490.000	23.000
15	324	DRK GRY MASS SDY SH		494.000	4.000
16	543	GRY SH W/SH STRCS		500.000	6.000
17	124	DRK GRY SH		549.500	49.500
18	021	COMMON BANDED COAL		550.500	1.000
		* BED:GYC 10 GYC 10			
19	324	DRK GRY MASS SDY SH		586.000	35.500
20	124	DRK GRY SH		651.500	65.500
21	021	COMMON BANDED COAL		652.500	1.000
		* BED:MSB 20 MSB 20			
22	124	DRK GRY SH		671.000	18.500
23	123	DRK GRY SH W/COAL STRCS		672.000	1.000
24	124	DRK GRY SH		680.000	8.000
25	324	DRK GRY MASS SDY SH		715.750	35.750
26	034	BONE		776.000	.250
27	324	DRK GRY MASS SDY SH		735.000	19.000
28	124	DRK GRY SH		769.500	34.500
29	021	COMMON BANDED COAL		771.250	1.750
		* BED:UMP 10 UMP 10			
30	124	DRK GRY SH		772.750	1.500
31	034	BONE		773.000	.250
32	114	FLK SH		775.000	2.000
33	324	DRK GRY MASS SDY SH		781.000	6.000
34	543	GRY SH W/SH STRCS		793.000	12.000
35	124	DRK GRY SH		796.000	3.000
36	021	COMMON BANDED COAL		797.400	1.400
		* BED:UMP 20 UMP 20			
37	124	DRK GRY SH		810.000	12.600
38	324	DRK GRY MASS SDY SH		826.000	16.000
39	124	DRK GRY SH		831.300	5.300
40	021	COMMON BANDED COAL		833.000	1.700
		* BED:UMP 10 UMP 10			
41	124	DRK GRY SH		836.000	3.000
		* BED:BLG 10			

LOG# 1) DWGHT 1 (VAL) 1 2 1: 24000.1 104 320

LINE	CODE	ENGLISH	COMMENTS	CUMULATIVE	UNIT
42	324	DRK GRY MASS SDY SH			
43	124	DRK GRY SH		854.000	16.000
44	324	DRK GRY MASS SDY SH		903.000	49.000
		* BED:SL5 10		905.000	2.000
45	021	COMMON BANDED COAL			
		* BED:WRC 10 WRC 10		905.000	.000
46	124	DRK GRY SH		914.000	9.000
47	343	GRY SS W/SH STKS		918.000	4.000
48	324	DRK GRY MASS SDY SH		928.000	10.000
49	124	DRK GRY SH		935.000	7.000
50	324	DRK GRY MASS SDY SH		939.000	4.000
51	021	COMMON BANDED COAL		939.000	.000
		* BED:WRC 20 WRC 20			
52	543	GRY SS W/SH STKS		944.000	5.000
53	124	DRK GRY SH		953.000	9.000
54	343	GRY SS W/SH STKS		993.000	40.000
55	021	COMMON BANDED COAL		993.750	.750
		* BED:LHP 10			
56	124	DRK GRY SH		998.250	4.500
57	021	COMMON BANDED COAL		999.000	.750
		* BED:LHP 10			
58	324	DRK GRY MASS SDY SH		1012.300	13.300
59	021	COMMON BANDED COAL		1014.000	1.700
		* BED:LHP 20 LHP 20			
60	324	DRK GRY MASS SDY SH		1029.000	15.000
61	544	GRY MASS SS		1066.000	37.000
62	543	GRY SS W/SH STKS		1073.000	7.000
63	324	DRK GRY MASS SDY SH		1084.000	11.000
64	124	DRK GRY SH		1090.850	6.850
65	021	COMMON BANDED COAL		1091.900	1.050
		* BED:PCS 20			
66	034	BONE		1092.100	.200
67	021	COMMON BANDED COAL		1093.400	1.300
68	124	DRK GRY SH		1095.550	2.150
69	021	COMMON BANDED COAL		1096.050	.500
		* BED:PCS 20			
70	124	DRK GRY SH		1126.000	29.950
71	034	BONE		1126.250	.250
		* BED:PCS 10 PCS 10			
72	124	DRK GRY SH		1130.000	3.750
73	543	GRY SS W/SH STKS		1134.000	4.000
74	324	DRK GRY MASS SDY SH		1137.000	3.000
75	543	GRY SS W/SH STKS		1141.000	4.000
76	324	DRK GRY MASS SDY SH		1153.000	12.000
77	124	DRK GRY SH		1157.000	4.000
78	034	BONE		1158.000	1.000
79	124	DRK GRY SH		1162.000	4.000
80	324	DRK GRY MASS SDY SH		1180.000	18.000
81	344	GRY MASS SS		1188.000	8.000
82	543	GRY SS W/SH STKS		1191.000	3.000

LOG# 1 DWSMT 1 TVAL 2 1: 24000.3 30= 220

LINE	CODE	ENGLISH	COMMENTS	CUMULATIVE	UNIT
83	124	DRK GRV SH			
84	543	GRV SS W/SH STRS		1192.500	1.500
85	324	DRK GRV MASS SDY SH		1210.000	17.500
86	543	GRV SS W/SH STRS		1212.000	2.000
87	564	HARD MASS SS		1224.000	12.000
		* BED:LOA 10 LOA 70		1290.000	66.000
88	554	HTLIZED MASS SS			
		* BED:LOA 20		1312.000	22.000
89	553	HTLIZED SS W/SH STRS		1348.000	36.000
90	554	HTLIZED MASS SS		1373.550	25.550
		* BED:LOA 20			
91	021	COMMON BANDED COAL		1375.000	2.450
		* BED:PCS 10 PCS 10			
92	124	DRK GRV SH		1382.000	6.000
93	324	DRK GRV MASS SDY SH		1386.000	4.000
94	124	DRK GRV SH		1393.000	7.000
95	543	GRV SS W/SH STRS		1400.000	7.000
96	124	DRK GRV SH		1403.850	3.850
97	034	BONE		1403.950	.100
98	124	DRK GRV SH		1404.700	.750
99	034	BONE		1404.800	.100
100	124	DRK GRV SH		1405.400	.600
101	034	BONE		1406.200	.800
		* BED:PCS 20			
102	021	COMMON BANDED COAL		1407.500	1.500
103	034	BONE		1407.800	.300
104	021	COMMON BANDED COAL		1408.600	.800
		* BED:PCS 20			
105	543	GRV SS W/SH STRS		1416.500	7.900
106	124	DRK GRV SH		1420.000	3.500
107	324	DRK GRV MASS SDY SH		1422.000	2.000
108	124	DRK GRV SH		1431.800	9.800
109	021	COMMON BANDED COAL		1438.300	6.500
		* BED:PCS 20 PCS 20			
110	544	GRV MASS SS		1454.000	15.700
111	543	GRV SS W/SH STRS		1465.500	11.500
112	324	DRK GRV MASS SDY SH		1467.000	1.500
113	543	GRV SS W/SH STRS		1471.000	4.000
114	324	DRK GRV MASS SDY SH		1476.600	5.600
115	021	COMMON BANDED COAL		1478.000	1.400
		* BED:PCS 10 PCS 10			
116	114	BLK SH		1478.200	.200
117	034	BONE		1478.400	.200
		* BED:PCS 20			
118	021	COMMON BANDED COAL		1478.800	.400
119	034	BONE		1479.000	.200
120	021	COMMON BANDED COAL		1479.400	.400
121	034	BONE		1479.600	.200
122	021	COMMON BANDED COAL		1480.800	1.200
123	124	DRK GRV SH		1481.050	.250

PAGE: 5 OWNER NAME: ISLAND CREEK CORPORATION
ALL DEPTH/THICKNESS DATA IN FEET

SERIAL NUM:101092686-003-3.00

LOG# 1 J INVERT J DIA 0.2 1: 24000.7 ID= 220

LINE	CODE	ENGLISH	COMMENTS	CUMULATIVE	UNIT
124	021	COMMON Banded COAL		1482.400	1.350
		* BED:PCS 20			
125	124	DRK GRV SH		1482.800	.400
126	021	COMMON Banded COAL		1483.150	.350
		* BED:PCS 30 PCS 30			
127	124	DRK GRV SH		1485.500	2.350
128	034	BONE		1485.700	.200
129	324	DRK GRV MASS SDY SH		1489.000	3.300
130	543	GRV SF W/SH STKS		1493.000	4.000
131	324	DRK GRV MASS SDY SH		1507.000	14.000

PAGE: 1 OWNER NAME: ISLAND CREEK CORPORATION
ALL DEPTH/THICKNESS DATA IN FEET

SERIAL NUM:IC1092685-003-5.00

LOG# 1 1 (VMSHT 1 (VA) 1 2 1: 34000.) ID# 264

IDENTIFICATION SECTION

1. QUAD NAME: VMSHT
2. STATE LOCATION OF QUAD: VA
3. SCALE OF QUAD: 2
4. LOG ID #: 264
5.1 UNPUBLISHED RECORD. COMPANY OR AGENCY NAME: ISLAND CREEK CORP
6. DIVISION OR TRACT:
7. DRILL HOLE NUMBER: 5-NLHR2
8. CONTRIBUTING COMPANY OR AGENCY: ISLAND CREEK CORP
9. CONTRIBUTING COMPANY CORP#: 5-NLHR2

COORDINATES OF HOLE ON SECTION

12.1 STATE CODE: VA
12.2 STATE PLANE N/S: 3609714.69
12.3 STATE PLANE E/W: 10662026.97
15.1 COMPANY GRID N/S: 21991.24
15.2 COMPANY GRID E/W: 23060.11

CIVIL DISTRICT WHERE LOCATED

17. STATE WHERE HOLE LOCATED: VA
18. COUNTY: BUCHANAN
19. TOWNSHIP, MAGISTERIAL DISTRICT, OR INCORPORATED PLACE:
20. GROUND LOCATION DESCRIPTION: VP-5 MINE

BORERHOLE OR SECTION DESCRIPTION

21. ELEVATION AT TOP OF HOLE OR SECTION: F .00 DRILL ANGLE 0.
22. METHOD OF ELEVATION DETERMINATION:
23. NAME OF PERSON LOGGING: SCHLUMBERGER
24. YEAR DRILLED OR MEASURED: 0
25. TOTAL DEPTH OF DRILL HOLE: F 1391.000
26. BED CODE REGION IDENTIFIER: NAPP
27. CODE OF UPPERMOST IDENTIFIABLE BED: JAM
28. CODE OF LOWERMOST IDENTIFIABLE BED: PCS
29.1 KIND OF RECORD: E
29.2 METHOD OF LITHO DESCRIPTION: 1(CODE)
30.1 UNITS OF MEASUREMENT: 2(FT) 1
30.2 METHOD(S) OF MEASUREMENT: 1(THK)

PERSON(S) LAST MODIFYING THIS LOG

31. PERSON SUBMITTING LOG FOR ENTRY: MGT
32. DATE OF LOG SUBMISSION (MM/DD/YYYY): 8-22-91
LAST MODIFIED BY: DGL
DATE: 9/4/1992
USER DATA: 29.00' NET COAL >= 1.5'

LOG# 7 DWSMT 1 EVAL T 2 T1 24000.1 TD= 264

LINE	CODE	ENGLISH	COMMENTS	CUMULATIVE	UNIT
1	001	CASING OR SURFACE			
2	500	SS		100.000	100.000
3	323	DRK GRY SH W/SS STKS		144.000	44.000
4	021	COMMON BANDED COAL		155.000	11.000
		* BED:JAW 20 JAW 20		157.000	2.000
5	323	DRK GRY SH W/SS STKS			
6	500	SS		164.000	7.000
7	104	SH		206.000	42.000
8	324	DRK GRY MASS SDY SH		217.000	11.000
9	500	SS		250.000	33.000
10	324	DRK GRY MASS SDY SH		268.000	18.000
11	021	COMMON BANDED COAL		341.000	73.000
		* BED:USB 10 USB 10		342.000	1.000
12	104	SH			
13	500	SS		353.000	11.000
14	104	SH		382.000	29.000
15	021	COMMON BANDED COAL		393.000	11.000
		* BED:USB 20 USB 20		394.000	1.000
16	324	DRK GRY MASS SDY SH			
17	104	SH		401.000	7.000
18	021	COMMON BANDED COAL		478.000	77.000
		* BED:GYC 10 GYC 10		479.000	1.000
19	500	SS			
20	323	DRK GRY SH W/SS STKS		512.000	33.000
21	021	COMMON BANDED COAL		573.000	61.000
		* BED:MBS 20 MBS 20		574.000	1.000
22	324	DRK GRY MASS SDY SH			
23	104	SH		590.000	16.000
24	500	SS		622.000	32.000
25	104	SH		646.000	24.000
26	500	SS		653.000	7.000
27	104	SH		674.000	21.000
28	021	COMMON BANDED COAL		704.000	30.000
		* BED:UMP 10 UMP 10		706.000	2.000
29	500	SS			
30	021	COMMON BANDED COAL		716.000	10.000
		* BED:UMP 20 UMP 20		718.000	2.000
31	323	DRK GRY SH W/SS STKS			
32	021	COMMON BANDED COAL		749.000	31.000
		* BED:MHP 10 MHP 10		751.000	2.000
33	324	DRK GRY MASS SDY SH			
34	500	SS		757.000	6.000
35	104	SH		774.000	17.000
		* BED:ELS 10 ELS 10		830.000	56.000
36	021	COMMON BANDED COAL			
		* BED:WRC 10 WRC 10		831.000	1.000
37	324	DRK GRY MASS SDY SH			
38	021	COMMON BANDED COAL		841.000	10.000
		* BED:WRC 20 WRC 20		842.000	1.000
39	324	DRK GRY MASS SDY SH			
				854.000	12.000

LOG# 1 (YMS) 1 EVAL 2 1: 24000.3 10= 264

LINE	CODE	ENGLISH	COMMENTS	CUMULATIVE	UNIT
40	104	SH		884.000	30.000
41	500	SS		900.000	16.000
42	030	IMPURE COAL		902.000	2.000
		* BED:LHP 10 LHP 10			
43	324	DRK GRY MASS SDY SH		910.000	8.000
44	021	COMMON BANDED COAL		912.000	2.000
		* BED:LHP 20 LHP 20			
45	324	DRK GRY MASS SDY SH		920.000	8.000
46	500	SS		976.000	56.000
47	324	DRK GRY MASS SDY SH		982.000	6.000
48	104	SH		986.000	4.000
49	021	COMMON BANDED COAL		989.000	3.000
		* BED:PC9 10 PC9 10			
50	104	SH		995.000	6.000
51	324	DRK GRY MASS SDY SH		1005.000	10.000
52	104	SH		1021.000	16.000
53	021	COMMON BANDED COAL		1022.000	1.000
		* BED:PC9 20 PC9 20			
54	104	SH		1062.000	40.000
55	323	DRK GRY SH W/SS STRS		1082.000	20.000
56	500	SS		1092.000	10.000
57	104	SH		1099.000	7.000
58	550	XTLIZED SS		1175.000	76.000
		* BED:LGA 10 LGA 10			
59	550	XTLIZED SS		1217.000	42.000
		* BED:LGA 20			
60	500	SS		1227.000	10.000
61	550	XTLIZED SS		1251.000	24.000
		* BED:LGA 20			
62	021	COMMON BANDED COAL		1253.000	2.000
		* BED:PCS 20 PCS 20			
63	104	SH		1290.000	37.000
64	500	SS		1324.000	34.000
65	322	DRK GRY SH*INTERBED SS		1335.000	11.000
66	500	SS		1354.000	19.000
67	021	COMMON BANDED COAL		1361.000	7.000
		* BED:PCA 10 PCA 10			
68	104	SH		1367.000	6.000
69	500	SS		1375.000	8.000
70	021	COMMON BANDED COAL		1380.000	5.000
		* BED:PCS 20 PCS 20			
71	001	CASING ON REHPAGE		1391.000	11.000

PAGE: 1 OWNER NAME: ISLAND CREEK CORPORATION
ALL DEPTH/THICKNESS DATA IN FEET

SERIAL NUM: IC092686-003-S.00

LOG# 1 DWSHT 1 EVAL 2 1: 24000.1 ID# 265

IDENTIFICATION SECTION

1. BLIND NAME: VMSHT
2. STATE LOCATION OF BLIND: VA
3. SCALE OF BLIND: 2
4. LOG ID #: 265
- 5.1 UNPUBLISHED RECORD, COMPANY OR AGENCY NAME: ISLAND CREEK CORP
6. DIVISION OR TRACT:
7. DRILL HOLE NUMBER: 5-N20BH
8. CONTRIBUTING COMPANY OR AGENCY: ISLAND CREEK CORP
9. CONTRIBUTING COMPANY DDW: 5-N20BH

COORDINATES OF HOLE OR SECTION

- 12.1 STATE CODE: VA
- 12.2 STATE PLANE N/S: 3609548.57
- 12.3 STATE PLANE E/W: 10461064.13
- 15.1 COMPANY GRID N/S: 21825.43
- 15.2 COMPANY GRID E/W: 23001.92

CIVIL DISTRICT WHERE LOCATED

17. STATE WHERE HOLE LOCATED: VA
18. COUNTY: BUCKHAWK
19. TOWNSHIP, MAGISTERIAL DISTRICT, OR INCORPORATED PLACE:
20. GROUND LOCATION DESCRIPTION: VP-S HUE

BOREHOLE OR SECTION DESCRIPTION

21. ELEVATION AT TOP OF HOLE OR SECTION: F .00 DRILL ANGLE: 0.
22. METHOD OF ELEVATION DETERMINATION:
23. NAME OF PERSON LOGGING: SCHLUMBERGER
24. YEAR DRILLED OR MEASURED: 0
25. TOTAL DEPTH OF DRILL HOLE: F 1429.000
26. BED CODE REGION IDENTIFIER: NAPP
27. CODE OF UPPERMOST IDENTIFIABLE BED: JAM
28. CODE OF LOWERMOST IDENTIFIABLE BED: PCS
- 29.1 KIND OF RECORD: E
- 29.2 METHOD OF LITHO DESCRIPTION: 1 (CODE)
- 30.1 UNITS OF MEASUREMENT: 2 (FT)
- 30.2 METHOD(S) OF MEASUREMENT: 1 (TIME)

PERSON(S) LAST MODIFYING THIS LOG

31. PERSON SUBMITTING LOG FOR ENTRY: HBY
32. DATE OF LOG SUBMISSION (MM/DD/YYYY): 8/28/91
- LAST MODIFIED BY: DGL
- DATE: 9/6/1992
- USER DATA: 27.50' NET COAL $\approx$ 1.5'

LOG# 1 (INSENT) 2 (VAL) [2 1: 24000.] 10= 265

LINE	CODE	ENGLISH	COMMENTS	CUMULATIVE	UNIT
1	001	CASING OR SURFACE			
2	500	SS		60.000	60.000
3	104	SH		84.000	24.000
4	500	SS		131.000	47.000
5	104	SH		178.000	47.000
6	021	COMMON BANDED COAL		184.000	6.000
		* BED:JAN 20 JAN 20		186.000	2.000
7	104	SH		192.000	6.000
8	500	SS		239.000	47.000
9	324	DRK GRY MASS SDY SH		280.000	41.000
10	500	SS		302.000	22.000
11	324	DRK GRY MASS SDY SH		383.000	81.000
12	500	SS		418.000	35.000
13	104	SH		422.000	4.000
14	021	COMMON BANDED COAL		424.000	2.000
		* BED:USE 20 USE 20			
15	104	SH		430.000	6.000
16	500	SS		437.000	7.000
17	104	SH		508.000	71.000
18	021	COMMON BANDED COAL		510.000	2.000
		* BED:GYC 10 GYC 10			
19	500	SS		540.000	30.000
20	323	DRK GRY SH W/SS STKS		601.000	61.000
21	021	COMMON BANDED COAL		602.000	1.000
		* BED:HBB 20 HBB 20			
22	104	SH		605.000	3.000
23	500	SS		611.000	6.000
24	104	SH		638.000	27.000
25	500	SS		666.000	28.000
26	324	DRK GRY MASS SDY SH		672.000	6.000
27	500	SS		678.000	6.000
28	324	DRK GRY MASS SDY SH		688.000	10.000
29	500	SS		697.000	9.000
30	324	DRK GRY MASS SDY SH		704.000	7.000
31	104	SH		733.000	29.000
32	021	COMMON BANDED COAL		735.000	2.000
		* BED:UNP 10 UNP 10			
33	500	SS		741.000	6.000
34	104	SH		746.000	5.000
35	021	COMMON BANDED COAL		747.000	1.000
		* BED:UNP 20 UNP 20			
36	104	SH		780.000	33.000
37	021	COMMON BANDED COAL		782.000	2.000
		* BED:WNP 20 WNP 20			
38	104	SH		786.000	4.000
39	500	SS		807.000	21.000
40	104	SH		837.000	50.000
		* BED:BLS 10			
41	323	DRK GRY SH W/SS STKS		884.000	27.000
		* BED:BLS 10			

LOG#E 1 DVBST 1 IVAT 1.2 1: 24000.1 10# 265

LINE	CODE	ENGLISH	COMMENTS	CUMULATIVE	UNIT
42	021	COMMON Banded COAL		885.000	1.000
		* BED:WRC 10 WRC 10			
43	323	DRK GRY SH W/SH STKS		896.000	13.000
44	030	IMPURE COAL		900.000	2.000
		* BED:WRC 20 WRC 20			
45	324	DRK GRY MASS SDY SH		905.000	5.000
46	500	SS		927.000	22.000
47	104	SH		929.000	2.000
48	030	IMPURE COAL		931.000	2.000
		* BED:LHP 10 LHP 10			
49	104	SH		933.000	2.000
50	500	SS		939.000	6.000
51	104	SH		944.000	5.000
52	021	COMMON Banded COAL		946.000	2.000
		* BED:LHP 20 LHP 20			
53	324	DRK GRY MASS SDY SH		959.000	13.000
54	500	SS		1008.000	49.000
55	104	SH		1018.000	10.000
56	021	COMMON Banded COAL		1021.000	3.000
		* BED:PCF 10 PCF 10			
57	104	SH		1034.000	13.000
58	500	SS		1040.000	6.000
59	104	SH		1048.000	8.000
60	030	IMPURE COAL		1050.000	2.000
		* BED:PCF 20 PCF 20			
61	104	SH		1109.000	59.000
62	323	DRK GRY SH W/SS STKS		1135.000	26.000
63	500	SS		1140.000	5.000
64	550	XTLIZED SS		1200.000	60.000
		* BED:LGA 10 LGA 10			
65	550	XTLIZED SS		1259.000	59.000
		* BED:LGA 20 LGA 20			
66	021	COMMON Banded COAL		1261.000	2.000
		* BED:PCS 10 PCS 10			
67	550	XTLIZED SS		1293.000	32.000
68	021	COMMON Banded COAL		1296.000	3.000
		* BED:PCS 20 PCS 20			
69	104	SH		1321.000	25.000
70	500	SS		1369.000	48.000
71	104	SH		1374.000	5.000
72	500	SS		1386.000	12.000
73	021	COMMON Banded COAL		1394.000	8.000
		* BED:PCA 10 PCA 10			
74	104	SH		1398.000	4.000
75	500	SS		1406.000	8.000
76	104	SH		1409.000	3.000
77	021	COMMON Banded COAL		1414.000	5.000
		* BED:PCS 20 PCS 20			
78	001	CASING OR SURFACE		1429.000	15.000

PAGE: 1 OWNER NAME: ISLAND CREEK CORPORATION
ALL DEPTH/THICKNESS DATA IN FEET

SERIAL NUM: 101092886-UG3-3.00

LOG#1 1 UNBHT 1 DIA 1.2 1: 24000.1 ID# 259

IDENTIFICATION SECTION

1. QUAD NAME: UNBHT
2. STATE LOCATION OF QUAD: VA
3. SCALE OF QUAD: 2
4. LOG ID #: 259
- 5.1 UNPUBLISHED RECORD. COMPANY OR AGENCY NAME: ISLAND CREEK CORP
6. DIVISION OR TRACT:
7. DRILL HOLE NUMBER: 5-RK0VT
8. CONTRIBUTING COMPANY OR AGENCY: ISLAND CREEK CORP
9. CONTRIBUTING COMPANY OWNER: 5-RK0ST

COORDINATES OF HOLE OR SECTION

- 12.1 STATE CODE: VAS
- 12.2 STATE PLANE N/S: 3609550.24
- 12.3 STATE PLANE E/W: 10441905.07
- 15.1 COMPANY GRID N/S: 21823.43
- 15.3 COMPANY GRID E/W: 22942.85

CIVIL DISTRICT WHERE LOCATED

17. STATE WHERE HOLE LOCATED: VA
18. COUNTY: BUCHANAN
19. TOWNSHIP, MAGISTERIAL DISTRICT, OR INCORPORATED PLACE:
20. GROUND LOCATION DESCRIPTION: VP-5 NAME

BOREHOLE OR SECTION DESCRIPTION

21. ELEVATION AT TOP OF HOLE OR SECTION: F 1530.00 DRILL ANGLE 0.
22. METHOD OF ELEVATION DETERMINATION:
23. NAME OF PERSON LOGGING: SCHLUMBERGER
24. YEAR DRILLED OR MEASURED: 0
25. TOTAL DEPTH OF DRILL HOLE: F 1416.000
26. BED CODE REGION IDENTIFIER: NAPP
27. CODE OF UPPERMOST IDENTIFIABLE BED: JAM
28. CODE OF LOWERMOST IDENTIFIABLE BED: PCS
- 29.1 KIND OF RECORD:
- 29.2 METHOD OF LITHO DESCRIPTION: 1(CODE)
- 30.1 UNITS OF MEASUREMENT: 2(FT 1
- 30.2 METHOD(S) OF MEASUREMENT: 1(LHX 1

PERSON(S) LAST MODIFYING THIS LOG

31. PERSON SUBMITTING LOG FOR ENTRY: R. TAYLOR
32. DATE OF LOG SUBMISSION (MM/DD/YYYY): 8/22/91
- LAST MODIFIED BY: DGL
- DATE: 9/4/1992

USER DATA:

LOG# 1 DWSNT 1 DIA 12 1: 24000.1 10# 259

LINE	CODE	ENGLISH	COMMENTS	CUMULATIVE	UNIT
1	001	CASING ON SURFACE			
2	104	SH		18.000	18.000
3	323	DRK GRY SH W/SS STES		50.000	32.000
4	104	SH		63.000	13.000
5	021	COMMON Banded COAL		173.000	110.000
		* BED:JAM 20 JAM 20		173.000	2.000
6	104	SH		252.000	77.000
7	324	DRK GRY MASS SDY SH		274.000	22.000
8	500	SS		288.000	14.000
9	324	DRK GRY MASS SDY SH		298.000	10.000
10	104	SH		304.000	6.000
11	324	DRK GRY MASS SDY SH		351.000	47.000
12	104	SH		354.000	3.000
13	104	SH		360.000	6.000
14	030	IMPURE COAL		362.000	2.000
		* BED:USB 10 USB 10			
15	104	SH		372.000	10.000
16	324	DRK GRY MASS SDY SH		407.000	35.000
17	104	SH		414.000	7.000
18	021	COMMON Banded COAL		416.000	2.000
		* BED:USB 20 USB 20			
19	323	DRK GRY SH W/SS STES		422.000	6.000
20	324	DRK GRY MASS SDY SH		427.000	5.000
21	104	SH		497.000	70.000
22	021	COMMON Banded COAL		500.000	3.000
		* BED:GYC 10 GYC 10			
23	104	SH		505.000	5.000
24	324	DRK GRY MASS SDY SH		531.000	26.000
25	104	SH		596.000	65.000
26	021	COMMON Banded COAL		598.000	2.000
		* BED:HBB 20 HBB 20			
27	324	DRK GRY MASS SDY SH		606.000	8.000
28	104	SH		638.000	32.000
29	324	DRK GRY MASS SDY SH		645.000	7.000
30	500	SS		650.000	5.000
31	324	DRK GRY MASS SDY SH		681.000	31.000
32	500	SS		688.000	7.000
33	323	DRK GRY SH W/SS STES		697.000	9.000
34	104	SH		720.000	23.000
35	021	COMMON Banded COAL		722.000	2.000
		* BED:UNP 10 UNP 10			
36	324	DRK GRY MASS SDY SH		732.000	10.000
37	021	COMMON Banded COAL		734.000	2.000
		* BED:UNP 20 UNP 20			
38	104	SH		766.000	32.000
39	021	COMMON Banded COAL		768.000	2.000
		* BED:WHP 10 WHP 10			
40	324	DRK GRY MASS SDY SH		785.000	17.000
41	500	SS		791.000	6.000
42	104	SH		853.000	62.000
		* BED:BLS 10			

LOG#1 1 EVENT 1 (VAL 0 2 1: 24000.3 ID= 259

LINE	CODE	ENGLISH	COMMENTS	CUMULATIVE	UNIT
43	323	DRK GRY SH W/SS STKS			
		* BED:SL 10		859.000	5.000
44	030	IMPURE COAL			
		* BED:LWC 10 LWC 10		860.000	1.000
45	124	DRK GRY SH			
46	324	DRK GRY MASS SDY SH		873.000	13.000
47	104	SH		877.000	4.000
48	543	GRY SS W/SH STKS		893.000	16.000
49	500	SS		907.000	12.000
50	030	IMPURE COAL		915.000	8.000
		* BED:LMP 10 LMP 10		916.000	1.000
51	324	DRK GRY MASS SDY SH			
52	021	COMMON BANDED COAL		933.000	17.000
		* BED:LMP 20 LMP 20		936.000	3.000
53	324	DRK GRY MASS SDY SH			
54	500	SS		941.000	5.000
55	104	SH		995.000	54.000
56	021	COMMON BANDED COAL		1006.000	11.000
		* BED:PCD 10 PCD 10		1009.000	3.000
57	104	SH			
58	324	DRK GRY MASS SDY SH		1020.000	11.000
59	104	SH		1034.000	14.000
60	323	DRK GRY SH W/SS STKS		1097.000	63.000
61	104	SH		1104.000	7.000
62	500	SS		1117.000	13.000
63	550	XTLIZED SS		1132.000	15.000
		* BED:LQA 10		1180.000	48.000
64	500	SS			
		* BED:LQA 10		1191.000	11.000
65	550	XTLIZED SS			
		* BED:LQA 20		1236.000	45.000
66	500	SS			
67	550	XTLIZED SS		1261.000	25.000
		* BED:LQA 20		1267.000	6.000
68	021	COMMON BANDED COAL			
		* BED:PCS 10 PCS 10		1271.000	4.000
69	104	SH			
70	021	COMMON BANDED COAL		1286.000	15.000
		* BED:PCS 15 PCS 15		1289.000	3.000
71	104	SH			
72	021	COMMON BANDED COAL		1297.000	8.000
		* BED:PCS 20 PCS 20		1300.000	3.000
73	104	SH			
74	500	SS		1304.000	4.000
75	323	DRK GRY SH W/SS STKS		1327.000	23.000
76	021	COMMON BANDED COAL		1370.000	43.000
		* BED:PCA 10 PCA 10		1376.000	6.000
77	104	SH			
78	324	DRK GRY MASS SDY SH		1385.000	9.000
79	021	COMMON BANDED COAL		1394.000	9.000
		* BED:PCS 20 PCS 20		1400.000	6.000

PAGE: 4 OWNER NAME: ISLAND CREEK CORPORATION
ALL DEPTH/THICKNESS DATA IN FEET

SERIAL NUM: IC1092686-003-3.00

LOG=C 1 (VMSNT 1 (VA1 1 2 1: 24000,1 10: 259

LINE	CODE	ENGLISH	COMMENTS	CUMULATIVE	UNIT
80	106	SH		1416.000	16.000

PAGE: 1 OWNER NAME: ISLAND CREEK CORPORATION
ALL DEPTH/THICKNESS DATA IN FEET

SERIAL NUM:1C1092686-003-3.00

LOG#(J (VABT 1 (VAB1 (2 1: 24000.) ID# 165

IDENTIFICATION SECTION

1. QUAD NAME: VABT
2. STATE LOCATION OF QUAD: VA
3. SCALE OF QUAD: 2
4. LOG ID #: 165
- 5.1 UNPUBLISHED RECORD- COMPANY OR AGENCY NAME: ISLAND CREEK CORP
6. DIVISION OR TRACT:
7. DRILL HOLE NUMBER: CB-75
8. CONTRIBUTING COMPANY OR AGENCY: ISLAND CREEK CORP
9. CONTRIBUTING COMPANY DRHP: CB-75

COORDINATES OF HOLE OR SECTION

- 12.1 STATE CODE: VAB
- 12.2 STATE PLANE N/S: 3613392.25
- 12.3 STATE PLANE E/W: 10432019.92
- 15.1 COMPANY GRID N/S: 23348.82
- 15.2 COMPANY GRID E/W: 12953.77

CIVIL DISTRICT WHERE LOCATED

17. STATE WHERE HOLE LOCATED: VA
18. COUNTY: BUCHANAN
19. TOWNSHIP, MAGISTERIAL DISTRICT, OR INCORPORATED PLACE: GARDEN
20. GROUND LOCATION DESCRIPTION: HOTT BRANCH

BOREHOLE OR SECTION DESCRIPTION

21. ELEVATION AT TOP OF HOLE OR SECTION: F 2290.00 DRILL ANGLE 0.
22. METHOD OF ELEVATION DETERMINATION: S
23. NAME OF PERSON LOGGING: GLS
24. YEAR DRILLED OR MEASURED: 1991
25. TOTAL DEPTH OF DRILL HOLE: F 2426.000
26. BRD CODE REGION IDENTIFIER: NAPP
27. CODE OF UPPERMOST IDENTIFIABLE BED: GLR
28. CODE OF LOWERMOST IDENTIFIABLE BED: PCS
- 29.1 KIND OF RECORD: E
- 29.2 METHOD OF LITHO DESCRIPTION: (CODE)
- 30.1 UNITS OF MEASUREMENT: 2(FT)
- 30.2 METHOD(S) OF MEASUREMENT: 1(THK)

PERSON(8) LAST MODIFYING THIS LOG

31. PERSON SUBMITTING LOG FOR ENTRY: RNS
32. DATE OF LOG SUBMISSION (MM/DD/YYYY): 5/23/91
- LAST MODIFIED BY: DGL
- DATE: 9/8/1992

USER DATA:

LOG#() EVDNMT) EVAL 1 2 1: 26000.1 ID= 165

LINE	CODE	ENGLISH	COMMENTS	CUMULATIVE	UNIT
1	021	COMMON Banded COAL	STRIP BENCH	.000	.000
		* BED:SLR 10 SLR 10			
2	001	CASING OR SURFACE		324.000	324.000
3	005	OPEN MINE	OWN, #14 MINE	329.000	5.000
		* BED:NGY 10 NGY 10			
4	001	CASING OR SURFACE		429.000	100.000
5	500	SS		453.000	24.000
6	300	SDY SH		470.000	17.000
7	100	SH (UNDIF)		476.000	6.000
8	300	SDY SH		484.000	8.000
9	100	SH (UNDIF)		491.000	7.000
10	500	SS		495.200	4.200
11	021	COMMON Banded COAL		496.200	1.000
		* BED:LBH 20 LBH 20			
12	100	SH (UNDIF)		500.000	3.800
13	500	SS		531.000	31.000
14	100	SH (UNDIF)		543.000	12.000
15	500	SS		547.000	4.000
16	300	SDY SH		565.000	18.000
17	100	SH (UNDIF)		576.000	11.000
18	021	COMMON Banded COAL		577.000	1.000
		* BED:LBH 10 LBH 10			
19	300	SDY SH		586.000	9.000
20	100	SH (UNDIF)		594.000	8.000
21	300	SDY SH		610.000	16.000
22	503	SS W/SH STRS		639.000	29.000
23	100	SH (UNDIF)		645.500	6.500
24	021	COMMON Banded COAL		646.000	.500
		* BED:SGF 10			
25	100	SH (UNDIF)		646.500	.500
26	056	BONE		647.000	.500
		* BED:SGF 10			
27	300	SDY SH		649.000	2.000
28	100	SH (UNDIF)		653.000	4.000
29	300	SDY SH		683.000	30.000
30	100	SH (UNDIF)		720.000	37.000
31	300	SDY SH		743.000	23.000
32	100	SH (UNDIF)		762.000	19.000
33	021	COMMON Banded COAL		763.000	1.000
		* BED:KEN 10 KEN 10			
34	300	SDY SH		768.000	5.000
35	503	SS W/SH STRS		778.000	10.000
36	300	SDY SH		784.400	6.400
37	021	COMMON Banded COAL		786.200	1.800
		* BED:KEN 20 KEN 20			
38	100	SH (UNDIF)		791.000	4.800
39	500	SS		840.000	49.000
40	300	SDY SH		873.000	33.000
41	100	SH (UNDIF)		877.000	4.000
42	300	SDY SH		888.000	11.000

LOG# 1 INVENT 1 DIA 12 1: 24000.3 ID= 163

LINE	CODE	ENGLISH	COMMENTS	CUMULATIVE	UNIT
43	100	SH (UNDIF)		891.000	3.000
44	021	COMMON BANDED COAL		892.000	1.000
		* BED:ALY 10 ALY 10			
45	300	SDY SH		894.000	2.000
46	100	SH (UNDIF)		896.000	2.000
47	300	SDY SH		902.000	6.000
48	500	SS		922.000	20.000
49	100	SH (UNDIF)		926.700	4.700
50	021	COMMON BANDED COAL		928.200	1.500
		* BED:ALY 20			
51	100	SH (UNDIF)		929.500	1.300
52	034	BDME		930.000	.500
		* BED:ALY 20			
53	100	SH (UNDIF)		934.000	4.000
54	300	SDY SH		936.000	2.000
55	500	SS		943.000	7.000
56	300	SDY SH		951.000	8.000
57	100	SH (UNDIF)		962.000	11.000
58	300	SDY SH		968.000	6.000
59	100	SH (UNDIF)		971.000	3.000
60	034	BDME		971.500	.500
		* BED:RYN 10 RYN 10			
61	100	SH (UNDIF)		974.000	2.500
62	300	SDY SH		999.000	25.000
63	100	SH (UNDIF)		1001.000	2.000
64	021	COMMON BANDED COAL		1002.800	1.800
		* BED:RYN 20 RYN 20			
65	100	SH (UNDIF)		1036.000	33.200
66	021	COMMON BANDED COAL		1036.500	.500
		* BED:RYN 30 RYN 30			
67	300	SDY SH		1085.000	48.500
68	100	SH (UNDIF)		1096.000	9.000
69	300	SDY SH		1096.000	2.000
70	021	COMMON BANDED COAL		1097.000	1.000
		* BED:JAM 10 JAM 10			
71	303	SS W/SH STES		1135.000	38.000
72	100	SH (UNDIF)		1140.200	5.200
73	021	COMMON BANDED COAL		1140.800	.600
		* BED:JAM 20			
74	100	SH (UNDIF)		1141.000	.200
75	021	COMMON BANDED COAL		1141.900	.900
		* BED:JAM 20			
76	300	SDY SH		1153.000	11.100
77	100	SH (UNDIF)		1160.000	7.000
78	500	SS		1195.000	35.000
79	300	SDY SH		1206.000	11.000
80	503	SS W/SH STES		1217.000	11.000
81	021	COMMON BANDED COAL		1218.300	1.300
		* BED:TIL 20 TIL 20			
82	500	SS		1221.000	2.700

LOG# 1 3 IVMSHT 1 (VAD) (2 1: 24000.1) ID= 165

LINE	CODE	ENGLISH	COMMENTS	CUMULATIVE	UNIT
83	100	SH (UNDIF)			
84	021	COMMON BANDED COAL		1226.000	5.000
		* BED:TL 30 TIL 30		1227.000	1.000
85	100	SH (UNDIF)			
86	500	SS		1229.000	2.000
87	300	SDY SH		1275.000	46.000
88	100	SH (UNDIF)		1306.000	33.000
89	300	SDY SH		1311.000	3.000
90	100	SH (UNDIF)		1319.000	8.000
91	030	IMPURE COAL		1325.800	6.800
		* BED:USB 10		1326.200	.400
92	100	SH (UNDIF)			
93	021	COMMON BANDED COAL		1326.500	.300
		* BED:USB 10		1327.000	.500
94	100	SH (UNDIF)			
95	300	SDY SH		1334.000	7.000
96	503	SS W/SH STRK		1340.000	6.000
97	500	SS		1412.000	72.000
98	500	SS		1437.000	25.000
99	560	HARD SS		1439.000	2.000
100	503	SS W/SH STRK		1458.000	19.000
101	550	XTLIZED SS		1468.000	10.000
102	500	SS		1497.000	29.000
103	100	SH (UNDIF)		1512.000	15.000
104	300	SDY SH		1532.000	20.000
105	034	BONE		1553.000	21.000
106	100	SH (UNDIF)		1553.500	.500
107	021	COMMON BANDED COAL		1554.000	.500
		* BED:MSB 10 MSB 10		1555.000	1.000
108	300	SDY SH			
109	500	SS		1563.000	8.000
110	100	SH (UNDIF)		1571.000	8.000
111	034	BONE		1582.000	11.000
		* BED:MSB 20 MSB 20		1583.000	1.000
112	503	SS W/SH STRK			
113	300	SDY SH		1661.000	78.000
114	100	SH (UNDIF)		1674.000	13.000
115	034	BONE		1675.000	1.000
		* BED:UMP 10		1676.000	1.000
116	100	SH (UNDIF)			
117	021	COMMON BANDED COAL		1682.000	6.000
118	100	SH (UNDIF)		1683.000	1.000
119	034	BONE		1684.000	1.000
		* BED:UMP 10		1684.500	.500
120	100	SH (UNDIF)			
121	503	SS W/SH STRK		1689.000	4.500
122	100	SH (UNDIF)		1700.000	11.000
123	021	COMMON BANDED COAL		1704.300	4.300
		* BED:UMP 20 UMP 20		1706.000	1.200
124	300	SDY SH		1714.000	8.000

LOG# 1 (WRIGHT) (VAL 2 1: 24000.1) 10= 165

LINE	CODE	ENGLISH	COMMENTS	CUMULATIVE	UNIT
125	100	SH (UNDIF)		1726.000	12.000
126	021	COMMON BANDED COAL		1727.000	1.000
		* BED:WHP 10 WHP 10			
127	300	SDY SH		1760.000	33.000
128	500	SS		1779.000	19.000
129	300	SDY SH		1830.000	51.000
130	500	SS		1839.000	9.000
131	300	SDY SH		1867.000	28.000
132	100	SH (UNDIF)		1867.500	.500
133	021	COMMON BANDED COAL		1868.000	.500
		* BED:WRC 20 WRC 20			
134	100	SH (UNDIF)		1871.000	3.000
135	503	SS W/SH STKS		1887.000	16.000
136	500	SS		1902.900	15.900
137	021	COMMON BANDED COAL		1903.200	.300
		* BED:LHP 10			
138	100	SH (UNDIF)		1903.800	.600
139	034	BONE		1904.000	.200
140	100	SH (UNDIF)		1904.400	.400
141	034	BONE		1904.600	.200
		* BED:LHP 10			
142	100	SH (UNDIF)		1908.500	3.900
143	034	BONE		1908.800	.300
144	100	SH (UNDIF)		1911.500	2.700
145	021	COMMON BANDED COAL		1911.950	.450
		* BED:LHP 20			
146	100	SH (UNDIF)		1912.200	.250
147	021	COMMON BANDED COAL		1913.100	.900
148	100	SH (UNDIF)		1913.300	.200
149	034	BONE		1913.500	.200
		* BED:LHP 20			
150	300	SDY SH		1919.000	5.500
151	503	SS W/SH STKS		1955.000	36.000
152	100	SH (UNDIF)		1967.500	12.500
153	034	BONE		1967.900	.400
		* BED:PC9 10			
154	100	SH (UNDIF)		1968.200	.300
155	021	COMMON BANDED COAL		1970.500	2.300
156	034	BONE		1971.000	.500
		* BED:PC9 10			
157	100	SH (UNDIF)		1974.000	3.000
158	300	SDY SH		1982.000	8.000
159	034	BONE		1983.000	1.000
160	300	SDY SH		1991.000	8.000
161	100	SH (UNDIF)		2006.500	15.500
162	021	COMMON BANDED COAL		2008.000	1.500
		* BED:PC9 20 PC9 20			
163	100	SH (UNDIF)		2015.500	7.500
164	503	SS W/SH STKS		2023.000	7.500
165	100	SH (UNDIF)		2035.000	12.000

LOG# 1 (VHMT) 1 (VAL) (2 1: 24000.7 10= 165

LINE	CODE	ENGLISH	COMMENTS	CUMULATIVE	UNIT
166	300	SDY SH		2073.400	38.400
167	303	SS W/SH STKS		2087.400	14.000
168	500	SS		2096.400	7.000
169	560	HARD SS		2104.400	10.000
170	100	SH (UNDIF)		2106.400	2.000
171	300	SDY SH		2120.900	14.500
172	350	XTLIZED SS		2208.150	87.250
173	020	COAL		2208.650	.500
		* BED:PCS 10 PCS 10			
174	500	SS		2213.400	4.750
175	100	SH (UNDIF)		2214.400	1.000
176	360	HARD SS		2235.400	21.000
177	500	SS		2251.400	16.000
178	560	HARD SS		2292.400	41.000
179	350	XTLIZED SS		2313.900	21.500
180	034	NONE		2314.400	.500
		* BED:PCS 10			
181	100	SH (UNDIF)		2314.700	.300
182	021	COMMON BANDED COAL		2315.200	.500
		* BED:PCS 10			
183	100	SH (UNDIF)		2324.400	9.200
184	300	SDY SH		2330.400	6.000
185	100	SH (UNDIF)		2345.400	15.000
186	503	SS W/SH STKS		2355.400	10.000
187	300	SDY SH		2357.400	2.000
188	303	SS W/SH STKS		2367.200	9.800
189	021	COMMON BANDED COAL		2368.600	1.400
		* BED:PCS 10 PCS 10			
190	100	SH (UNDIF)		2368.700	.100
191	021	COMMON BANDED COAL		2373.450	4.750
		* BED:PCS 20 PCS 20			
192	100	SH (UNDIF)		2373.600	.150
193	021	COMMON BANDED COAL		2373.900	.300
		* BED:PCS 30 PCS 30			
194	100	SH (UNDIF)		2377.000	3.100
195	034	NONE		2377.500	.500
		* BED:PCS 40 PCS 40			
196	300	SDY SH		2395.500	18.000
197	100	SH (UNDIF)		2397.500	2.000
198	300	SDY SH		2399.500	2.000
199	100	SH (UNDIF)		2401.000	1.500
200	503	SS W/SH STKS		2426.000	25.000

PAGE: 3 OWNER NAME: ISLAND CREEK CORPORATION
ALL DEPTH/THICKNESS DATA IN FEET

SERIAL NUM:1G1092686-003-3.00

LOG#1 1 (VIBRT) 3 (H) C 2 1: 24000.3 10* 166

LINE	CODE	ENGLISH	COMMENTS	CUMULATIVE	UNIT
42	300	SDY SH			
43	100	SH (UNDIF)		866.000	8.500
44	021	COMMON BANDED COAL		923.000	57.000
		* BED:JAN 10 JAN 10		925.000	2.000
45	100	SH (UNDIF)			
46	300	SDY SH		932.000	7.000
47	100	SH (UNDIF)		957.000	25.000
48	021	COMMON BANDED COAL		966.200	9.200
		* BED:JAN 20 JAN 20		968.200	2.000
49	100	SH (UNDIF)			
50	560	HARD SS		980.000	11.800
51	500	SS		987.000	7.000
52	300	SDY SH		1014.000	27.000
53	021	COMMON BANDED COAL		1032.500	18.500
		* BED:TIL 20 TIL 20		1033.500	1.000
54	300	SDY SH			
55	021	COMMON BANDED COAL		1044.500	11.000
		* BED:TIL 30 TIL 30		1045.500	1.000
56	100	SH (UNDIF)			
57	300	SDY SH		1049.000	3.500
58	500	SDY SH		1055.000	6.000
59	021	COMMON BANDED COAL		1140.500	85.500
		* BED:USB 10 USB 10		1141.500	1.000
60	100	SH (UNDIF)			
61	300	SDY SH		1145.000	3.500
62	500	SS		1150.000	5.000
63	300	SDY SH		1160.000	10.000
64	500	SS		1176.000	16.000
65	300	SDY SH		1188.000	12.000
66	500	SS		1192.000	4.000
67	100	SH (UNDIF)		1196.000	4.000
68	300	SDY SH		1199.000	3.000
69	560	HARD SS		1215.000	16.000
70	550	HTLIZED SH		1269.000	54.000
71	100	SH (UNDIF)		1330.000	61.000
72	021	COMMON BANDED COAL		1374.000	44.000
		* BED:MSB 10 MSB 10		1375.500	1.500
73	300	SDY SH			
74	037	BONE W/SH LAYERS		1402.500	27.000
		* BED:MSB 20 MSB 20		1405.000	2.500
75	100	SH (UNDIF)			
76	300	SDY SH		1408.000	3.000
77	300	SS		1422.000	14.000
78	300	SDY SH		1438.000	16.000
79	100	SH (UNDIF)		1483.000	45.000
80	021	COMMON BANDED COAL		1496.500	13.500
		* BED:UNP 10 UNP 10		1497.500	1.000
81	500	SS			
82	100	SH (UNDIF)		1518.500	21.000
83	021	COMMON BANDED COAL		1522.500	4.000
		* BED:UNP 20 UNP 20		1524.500	2.000

LOG#1 1 (VINT 1 (VAT (2 1: 24000.1 10= 166

LINE	CODE	ENGLISH	COMMENTS	CUMULATIVE	UNIT
1	001	CASING ON SURFACE		436.000	436.000
2	300	SDY SH		458.000	22.000
3	034	BONE		458.500	.500
4	021	COMMON BANDED COAL		460.000	1.500
		* BED:SGF 10			
5	100	SH (UNDIF)		460.500	.500
6	034	BONE		461.000	.500
		* BED:SGF 10			
7	100	SH (UNDIF)		468.000	7.000
8	300	SDY SH		497.000	29.000
9	100	SH (UNDIF)		535.000	38.000
10	300	SDY SH		542.000	7.000
11	100	SH (UNDIF)		586.800	44.800
12	034	BONE		587.000	.200
		* BED:KEN 10			
13	100	SH (UNDIF)		587.100	.100
14	034	BONE		587.350	.250
15	021	COMMON BANDED COAL		588.000	.650
		* BED:KEN 10			
16	100	SH (UNDIF)		594.400	6.400
17	034	BONE		594.900	.500
		* BED:KEN 20			
18	021	COMMON BANDED COAL		596.800	1.900
		* BED:KEN 20			
19	300	SDY SH		602.000	5.200
20	500	SS		642.500	40.500
21	034	BONE		644.500	2.000
22	100	SH (UNDIF)		646.000	1.500
23	021	COMMON BANDED COAL		647.000	1.000
24	300	SDY SH		655.000	8.000
25	500	SS		673.000	18.000
26	100	SH (UNDIF)		707.000	34.000
27	021	COMMON BANDED COAL		708.000	1.000
		* BED:ALY 10 ALY 10			
28	100	SH (UNDIF)		714.000	6.000
29	300	SDY SH		724.000	10.000
30	500	SS		737.500	13.500
31	021	COMMON BANDED COAL		740.000	2.500
		* BED:ALY 20 ALY 20			
32	100	SH (UNDIF)		741.000	1.000
33	034	BONE		741.500	.500
34	300	SDY SH		756.000	14.500
35	100	SH (UNDIF)		786.000	30.000
36	300	SDY SH		805.500	19.500
37	021	COMMON BANDED COAL		807.000	1.500
		* BED:RYN 20 RYN 20			
38	300	SDY SH		826.000	19.000
39	500	SS		846.000	20.000
40	100	SH (UNDIF)		857.000	11.000
41	021	COMMON BANDED COAL		857.500	.500
		* BED:RYN 30 RYN 30			

PAGE: 1 OWNER NAME: ISLAND CREEK CORPORATION
ALL DEPTH/THICKNESS DATA IN FEET

SERIAL NUM:IC1092586-003-3.00

LOG#1 1 TNSMT 1 DIA 1 2 1: 24000.1 10= 166

IDENTIFICATION SECTION

1. QUAD NAME: YNSMT
2. STATE LOCATION OF QUAD: VA
3. SCALE OF QUAD: 2
4. LOG ID #: 166
- 5.1 UNPUBLISHED RECORD. COMPANY OR AGENCY NAME: ISLAND CREEK CORP
6. DIVISION OR TRACT:
7. DRILL HOLE NUMBER: CB-74
8. CONTRIBUTING COMPANY OR AGENCY: ISLAND CREEK CORP
9. CONTRIBUTING COMPANY DUN#: CB-74

COORDINATES OF HOLE OR SECTION

- 12.1 STATE CODE: VA5
- 12.2 STATE PLANE N/S: 3613270.35
- 12.3 STATE PLANE E/W: 10434293.87
- 15.1 COMPANY GRID N/S: 25330.26
- 15.2 COMPANY GRID E/W: 15226.83

CIVIL DISTRICT WHERE LOCATED

17. STATE WHERE HOLE LOCATED: VA
18. COUNTY: BUCKHANN
19. TOWNSHIP, MAGISTERIAL DISTRICT, OR INCORPORATED PLACE:
20. GROUND LOCATION DESCRIPTION: WOTT BRANCH

BOREHOLE OR SECTION DESCRIPTION

21. ELEVATION AT TOP OF HOLE OR SECTION: F 2159.52' DRILL ANGLE 0.
22. METHOD OF ELEVATION DETERMINATION: S
23. NAME OF PERSON LOGGING: DLS
24. YEAR DRILLED OR MEASURED: 1991
25. TOTAL DEPTH OF DRILL HOLE: F 2262.000
26. BED CODE REGION IDENTIFIER: NAPP
27. CODE OF UPPERMOST IDENTIFIABLE BED: B&F
28. CODE OF LOWERMOST IDENTIFIABLE BED: PCS
- 29.1 KIND OF RECORD: E
- 29.2 METHOD OF LITHO DESCRIPTION: 1[CODE]
- 30.1 UNITS OF MEASUREMENT: 2[FT]
- 30.2 METHOD(S) OF MEASUREMENT: 1[THK]

PERSON(S) LAST MODIFYING THIS LOG

31. PERSON SUBMITTING LOG FOR ENTRY: RHA
32. DATE OF LOG SUBMISSION (MM/DD/YYYY): 5/23/91
- LAST MODIFIED BY: DGL
- DATE: 9/4/1992
- USER DATA: 15.50' NET COAL >= 1.5'

LOOP: 3 DWSNT 1 VAL 2 1: 24000.1 10= 168

LINE	CODE	ENGLISH	COMMENTS	CUMULATIVE	UNIT
84	100	SH (UNDIF)			
85	300	SOT SH		1546.000	21.500
86	021	COMMON BANDED COAL		1550.000	4.000
		* BED:MRP 10		1551.000	1.000
87	034	BONE			
		* BED:MRP 10		1551.500	.500
88	100	SH (UNDIF)			
89	300	SOT SH		1573.000	21.500
90	500	SS		1584.000	11.000
91	300	SOT SH		1621.000	37.000
92	500	SS		1643.000	22.000
93	300	SOT SH		1653.000	10.000
94	500	SS		1658.000	5.000
95	300	SOT SH		1665.500	7.500
96	503	SS W/SH STKS		1672.000	11.500
97	021	COMMON BANDED COAL		1717.000	40.000
		* BED:LMP 10 LMP 10		1718.000	1.000
98	100	SH (UNDIF)			
99	021	COMMON BANDED COAL		1729.300	11.300
		* BED:LMP 20		1729.900	.600
100	100	SH (UNDIF)			
101	021	COMMON BANDED COAL		1730.300	.400
		* BED:LMP 20		1731.200	.900
102	300	SOT SH			
103	500	SS		1743.000	31.800
104	100	SH (UNDIF)		1793.000	30.000
105	034	BONE		1796.700	5.700
		* BED:PC9 10		1796.950	.250
106	100	SH (UNDIF)			
107	021	COMMON BANDED COAL		1797.100	.150
108	100	SH (UNDIF)		1798.200	1.100
109	021	COMMON BANDED COAL		1798.500	.300
		* BED:PC9 70		1799.800	1.300
110	100	SH (UNDIF)			
111	021	COMMON BANDED COAL		1836.000	34.200
		* BED:PC9 20 PC9 20		1835.000	1.000
112	300	SOT SH			
113	300	SOT SH		1874.000	39.000
114	100	SH (UNDIF)		1910.000	36.000
115	300	SOT SH		1914.000	4.000
116	503	SS W/SH STKS		1931.000	17.000
117	350	XTLIZED SS		1947.000	16.000
118	560	HARD SS		2033.000	86.000
119	550	XTLIZED SS		2036.000	3.000
120	560	HARD SS		2055.000	19.000
121	550	XTLIZED SS		2086.000	31.000
122	500	SS		2134.000	48.000
123	100	SH (UNDIF)		2144.000	10.000
124	021	COMMON BANDED COAL		2150.200	6.200
		* BED:PC4 10		2154.200	4.000

PAGE: 5 OWNER NAME: ISLAND CREEK CORPORATION
ALL DEPT/THICKNESS DATA IN FEET

SERIAL NUM:IC1092686-003-3-00

LOG=1 1 CVNSMT 1 DIA 1 2 1 24000.1 10= 166

LINE	CODE	ENGLISH	COMMENTS	CUMULATIVE	UNIT
125	100	SH (UNDIF)		2154.800	.500
126	034	BONE		2155.100	.300
		* BED:PCS 10			
127	300	SDY SH		2183.000	27.900
128	100	SH (UNDIF)		2189.000	6.000
129	021	COMMON BANDED COAL		2189.900	.900
		* BED:PCS 10 PCS 10			
130	034	BONE		2190.100	.200
131	021	COMMON BANDED COAL		2190.700	.600
		* BED:PCS 20			
132	034	BONE		2191.300	.600
133	021	COMMON BANDED COAL		2193.900	2.600
		* BED:PCS 20			
134	034	BONE		2194.200	.300
		* BED:PCS 30 PCS 30			
135	300	SDY SH		2219.000	24.800
136	100	SH (UNDIF)		2224.000	5.000
137	300	SDY SH		2262.000	38.000

PAGE: 1 OWNER NAME: ISLAND CREEK CORPORATION
ALL DEPTH/THICKNESS DATA IN FEET

SERIAL NUM:IC1092686-003-3,00

LOG# 1 INSBT 1 (V) 1 2 1: 24000.1 ID# 167

IDENTIFICATION SECTION

1. QUAD NAME: INSBT
2. STATE LOCATION OF QUAD: VA
3. SCALE OF QUAD: 2
4. LOG ID #: 167
- 5.1 UNPUBLISHED RECORD. COMPANY OR AGENCY NAME: ISLAND CREEK CORP
6. DIVISION OR TRACT:
7. DRILL HOLE NUMBER: CB-T5
8. CONTRIBUTING COMPANY OR AGENCY: ISLAND CREEK CORP
9. CONTRIBUTING COMPANY DON#: CB-T5

COORDINATES OF HOLE OR SECTION

- 12.1 STATE CODE: VA
- 12.2 STATE PLANE N/S: 3612135.73
- 12.3 STATE PLANE E/W: 10436493.17
- 15.1 COMPANY GRID N/S: 24277.37
- 15.2 COMPANY GRID E/W: 17459.65

CIVIL DISTRICT WHERE LOCATED

17. STATE WHERE HOLE LOCATED: VA
18. COUNTY: BUCHANAN
19. TOWNSHIP, MAGISTERIAL DISTRICT, OR INCORPORATED PLACE: GARDEN
20. GROUND LOCATION DESCRIPTION: SHORTRIDGE BRANCH

BOREHOLE OR SECTION DESCRIPTION

21. ELEVATION AT TOP OF HOLE OR SECTION: F 1553.00 DRILL ANGLE 0.
22. METHOD OF ELEVATION DETERMINATION: S
23. NAME OF PERSON LOGGING: OLS
24. YEAR DRILLED OR MEASURED: 1990
25. TOTAL DEPTH OF DRILL HOLE: F 1321.000
26. BED CODE REGION IDENTIFIER: NAPP
27. CODE OF UPPERMOST IDENTIFIABLE BED: TIL
28. CODE OF LOWERMOST IDENTIFIABLE BED: PCS
- 29.1 KIND OF RECORD: E
- 29.2 METHOD OF LITHO DESCRIPTION: 1(CODE)
- 30.1 UNITS OF MEASUREMENT: 2(FT) 1
- 30.2 METHOD(S) OF MEASUREMENT: 1(THX)

PERSON(S) LAST MODIFYING THIS LOG

31. PERSON SUBMITTING LOG FOR ENTRY: AMS
 32. DATE OF LOG SUBMISSION (MM/DD/YYYY): 5/24/91
- LAST MODIFIED BY: DGL
DATE: 9/4/1992
USER DATA: 23.001 NET COAL>= 1.31

PAGE: 2 OWNER NAME: ISLAND CREEK CORPORATION
ALL DEPTH/THICKNESS DATA IN FEET

SERIAL NUM: 101092686-003-3-00

LOG# C 1 (VNSVT) 3 (VAI) 1: 24000.1 10= 167

LINE	CODE	ENGLISH	COMMENTS	CUMULATIVE	UNIT
1	001	CASING ON SURFACE			
2	100	SH (UNDIF)		385.000	385.000
3	021	COMMON BANDED COAL		388.000	3.000
		* BED:TIL 20 TIL 20		389.000	1.000
4	300	SDY SH			
5	500	SS		401.000	12.000
6	300	SDY SH		432.000	31.000
7	100	SH (UNDIF)		446.000	14.000
8	300	SDY SH		461.000	15.000
9	100	SH (UNDIF)		479.000	18.000
10	300	SDY SH		485.000	6.000
11	500	SS		488.000	3.000
12	021	COMMON BANDED COAL		507.000	19.000
		* BED:USB 10 USB 10		508.000	1.000
13	100	SH (UNDIF)			
14	300	SDY SH		526.000	18.000
15	300	SDY SH		533.000	7.000
16	500	SS		536.000	3.000
17	930	XTLIZED SH		595.000	59.000
18	560	HARD SS		632.000	37.000
19	100	SH (UNDIF)		673.000	41.000
20	300	SDY SH		700.000	27.000
21	021	COMMON BANDED COAL		728.000	28.000
		* BED:MSB 10 MSB 10		729.200	1.200
22	300	SDY SH			
23	100	SH (UNDIF)		743.000	13.800
24	034	BONE		758.500	15.500
		* BED:MSB 20		759.000	.500
25	021	COMMON BANDED COAL			
		* BED:MSB 20		759.500	.500
26	300	SDY SH			
27	500	SS		771.000	11.500
28	300	SDY SH		795.000	24.000
29	100	SH (UNDIF)		836.000	41.000
30	021	COMMON BANDED COAL		848.000	12.000
		* BED:UNP 10 UNP 10		849.000	1.000
31	100	SH (UNDIF)			
32	500	SS		853.000	4.000
33	100	SH (UNDIF)		872.000	19.000
34	021	COMMON BANDED COAL		876.000	4.000
		* BED:UNP 20		876.750	.750
35	034	BONE			
36	021	COMMON BANDED COAL		877.000	.250
		* BED:UNP 20		878.000	1.000
37	100	SH (UNDIF)			
38	300	SDY SH		883.000	5.000
39	500	SS		896.000	13.000
40	034	BONE		908.000	12.000
41	100	SH (UNDIF)		908.500	.500
42	021	COMMON BANDED COAL		913.500	5.000
		* BED:UNP 10 UNP 10		915.200	1.700

LOG# 7 (VWNT) 3 (VW) 1 2 1: 36000.1 10# 187

LINE	CODE	ENGLISH	COMMENTS	CUMULATIVE	UNIT
43	100	SH (UNDIF)		919.000	3.800
44	034	BONE		919.500	.500
45	300	SDY SH		953.000	33.500
46	300	SS		963.000	10.000
47	300	SDY SH		1012.000	49.000
48	021	COMMON BANDED COAL		1013.000	1.000
		* BED:WRC 10 WRC 10			
49	103	SH V/COAL STRS		1015.000	2.000
50	503	SS W/SH STRS		1028.000	13.000
51	300	SDY SH		1032.000	4.000
52	100	SH (UNDIF)		1039.000	7.000
53	021	COMMON BANDED COAL		1040.200	1.200
		* BED:WRC 20 WRC 20			
54	100	SH (UNDIF)		1043.000	2.800
55	500	SS		1066.000	23.000
56	100	SH (UNDIF)		1067.800	.700
57	034	BONE		1068.100	.500
		* BED:LHP 10			
58	021	COMMON BANDED COAL		1068.900	.800
59	034	BONE		1069.200	.300
60	021	COMMON BANDED COAL		1069.800	.600
61	100	SH (UNDIF)		1069.750	.150
62	034	BONE		1070.100	.350
		* BED:LHP 10			
63	100	SH (UNDIF)		1077.700	7.600
64	034	BONE		1077.900	.200
		* BED:LHP 20			
65	021	COMMON BANDED COAL		1078.500	.600
66	034	BONE		1078.700	.200
67	021	COMMON BANDED COAL		1079.500	1.100
		* BED:LHP 20			
68	300	SDY SH		1081.000	1.200
69	500	SS		1087.000	6.000
70	300	SDY SH		1094.000	7.000
71	500	SS		1124.000	30.000
72	300	SDY SH		1149.400	25.400
73	021	COMMON BANDED COAL		1152.300	2.900
		* BED:PC9 10 PC9 10			
74	300	SDY SH		1166.000	15.700
75	300	SDY SH		1179.000	11.000
76	021	COMMON BANDED COAL		1180.500	1.500
		* BED:PC9 20 PC9 20			
77	100	SH (UNDIF)		1207.000	26.500
78	300	SDY SH		1243.000	36.000
79	560	HARD SS		1256.000	13.000
80	300	SDY SH		1260.000	4.000
81	100	SH (UNDIF)		1265.000	5.000
82	300	SDY SH		1274.000	9.000
83	300	SDY SH		1284.000	10.000
84	350	XFLIZED SH		1390.000	106.000

PAGE: 4 OWNER NAME: ISLAND CREEK CORPORATION
ALL DEPTH/THICKNESS DATA IN FEET

SERIAL NUM: 1C1092686-003-3.00

LOG#C 1 (VMS&T) 1 (VAT) 2 (T) 24000.3 TD= 167

LINE	CODE	ENGLISH	COMMENTS	CUMULATIVE	UNIT
85	560	HARD SS			
86	100	SH (UNDIF)		1433.000	43.000
87	034	BONE		1438.000	5.000
		* BED:PCS 10		1438.300	.300
88	100	SH (UNDIF)			
89	021	COMMON BANDED COAL		1438.700	.400
90	103	SH W/COAL STKS		1439.600	.900
91	100	SH (UNDIF)		1440.100	.500
92	022	COAL W/BONE LAYERS		1440.600	.500
93	021	COMMON BANDED COAL		1441.300	.700
94	034	BONE		1443.150	1.850
		* BED:PCS 10		1443.400	.250
95	100	SH (UNDIF)		1448.000	4.600
96	500	SS		1493.000	45.000
97	300	SDY SH		1500.000	7.000
98	100	SH (UNDIF)		1507.700	7.700
99	021	COMMON BANDED COAL		1508.050	.350
		* BED:PCS 10			
100	100	SH (UNDIF)		1508.300	.250
101	021	COMMON BANDED COAL		1514.400	6.100
102	700	SH (UNDIF)		1515.600	1.200
103	021	COMMON BANDED COAL		1516.000	.400
		* BED:PCS 10			
104	300	SDY SH		1523.000	7.000
105	500	SS		1530.000	7.000
106	300	SDY SH		1532.000	2.000
107	503	SS W/SH STKS		1534.700	2.700
108	021	COMMON BANDED COAL		1535.400	.700
		* BED:PCS 10 PCS 10			
109	100	SH (UNDIF)		1536.100	.700
110	034	BONE		1536.300	.200
		* BED:PCS 20			
111	021	COMMON BANDED COAL		1537.200	.900
112	100	SH (UNDIF)		1537.500	.300
113	021	COMMON BANDED COAL		1537.850	.350
		* BED:PCS 20			
114	100	SH (UNDIF)		1540.000	2.150
115	300	SDY SH		1549.000	9.000
116	500	SS		1556.000	7.000
117	300	SDY SH		1559.000	3.000
118	300	SDY SH		1571.000	12.000

PAGE: 1 OWNER NAME: ISLAND CREEK CORPORATION
ALL DEPTH/THICKNESS DATA IN FEET

SERIAL NUM:101092506-003-3.00

LOGID: 1 (VRNT) 1 (VA2) (Z 1: 24000.1 ID# 170

IDENTIFICATION SECTION

1. QUAD NAME: VNHT
2. STATE LOCATION OF QUAD: VA
3. SCALE OF QUAD: 2
4. LOG ID #1: 170
- 5.1 UNPUBLISHED RECORD, COMPANY OR AGENCY NAME: ISLAND CREEK CORP
6. DIVISION OR TRACT:
7. DRILL HOLE NUMBER: CS-US
8. CONTRIBUTING COMPANY OR AGENCY: ISLAND CREEK CORP
9. CONTRIBUTING COMPANY DOHS: CS-US

COORDINATES OF HOLE OR SECTION

- 12.1 STATE CODE: VAS
- 12.2 STATE PLANE N/S: 5611394.65
- 12.3 STATE PLANE E/W: 10431693.45
- 15.1 COMPANY GRID N/S: 23382.61
- 15.2 COMPANY GRID E/W: 12682.37

CIVIL DISTRICT WHERE LOCATED

17. STATE WHERE HOLE LOCATED: VA
18. COUNTY: BUCHANAN
19. TOWNSHIP, REGISTERED DISTRICT, OR INCORPORATED PLACE:
20. GROUND LOCATION DESCRIPTION: LOONEY FORK

BOREHOLE OR SECTION DESCRIPTION

21. ELEVATION AT TOP OF HOLE OR SECTION: F 1871.00 DRILL ANGLE 0.
22. METHOD OF ELEVATION DETERMINATION: S
23. NAME OF PERSON LOGGING: GLS
24. YEAR DRILLED OR MEASURED: 1990
25. TOTAL DEPTH OF DRILL HOLE: F 2009.000
26. BED CODE REGION IDENTIFIER: NAPP
27. CODE OF UPPERMOST IDENTIFIABLE BED: ALY
28. CODE OF LOWERMOST IDENTIFIABLE BED: PCI
- 29.1 KIND OF RECORD: E
- 29.2 METHOD OF LITHO DESCRIPTION: 1 (CODE)
- 30.1 UNITS OF MEASUREMENT: 2 (FT)
- 30.2 METHOD(S) OF MEASUREMENT: 1 (THC)

PERSON(S) LAST MODIFYING THIS LOG

31. PERSON SUBMITTING LOG FOR ENTRY: NMS
32. DATE OF LOG SUBMISSION (MM/DD/YYYY): 5/30/91
- LAST MODIFIED BY: DEL
- DATE: 9/4/1992

USER DATA:

LOG# 1 DYNMT 1 (VAL 0 2 1: 24000.3 ID= 170

LINE	CODE	ENGLISH	COMMENTS	CUMULATIVE	UNIT
1	001	CASING OR SURFACE			
2	500	SS		382.000	382.000
3	300	SDY SH		412.000	30.000
4	021	COMMON BANDED COAL		453.000	41.000
		* BED:ALT 10 ALT 10		453.500	.500
5	500	SS			
6	021	COMMON BANDED COAL		493.500	40.000
		* BED:ALT 20 ALT 20		495.500	2.000
7	300	SDY SH		501.500	6.000
8	500	SS		505.000	3.500
9	300	SDY SH		558.500	53.500
10	021	COMMON BANDED COAL		560.000	1.500
		* BED:RYN 20			
11	034	SOME		560.500	.500
		* BED:RYN 20			
12	100	SH (UNDIF)		567.000	6.500
13	300	SDY SH		570.000	3.000
14	100	SH (UNDIF)		580.000	10.000
15	300	SDY SH		611.000	31.000
16	560	HARD SS		627.000	16.000
17	300	SDY SH		665.000	38.000
18	500	SS		669.000	4.000
19	021	COMMON BANDED COAL		670.500	1.500
		* BED:JAW 10 JAW 10			
20	100	SH (UNDIF)		674.500	4.000
21	500	SS		709.000	34.500
22	100	SH (UNDIF)		712.700	3.700
23	021	COMMON BANDED COAL		714.600	1.900
		* BED:JAW 20 JAW 20			
24	300	SDY SH		718.000	3.400
25	500	SS		775.000	57.000
26	300	SDY SH		806.000	31.000
27	021	COMMON BANDED COAL		807.100	1.100
		* BED:TIL 20 TIL 20			
28	100	SH (UNDIF)		809.100	2.000
29	021	COMMON BANDED COAL		810.200	1.100
		* BED:TIL 30 TIL 30			
30	300	SDY SH		900.500	90.300
31	021	COMMON BANDED COAL		901.000	.500
		* BED:USB 10 USB 10			
32	100	SH (UNDIF)		905.000	4.000
33	500	SS		916.000	11.000
34	100	SH (UNDIF)		921.000	5.000
35	500	SS		969.500	48.500
36	300	SDY SH		972.500	3.000
37	500	SS		986.000	13.500
38	560	HARD SS		992.000	6.000
39	500	SS		995.500	3.500
40	560	HARD SS		1003.000	7.500
41	550	XTLIZED SS		1038.000	35.000

LOG# 1 3 IVNSHT 1 (VAL 1 2 1: 24000.) ID# 170

LINE	CODE	ENGLISH	COMMENTS	CUMULATIVE	UNIT
42	560	HARD SS		1041.500	3.500
43	590	XTLIZED SS		1061.000	39.500
44	300	SDY SH		1123.000	42.000
45	100	SH (UNDIF)		1134.000	11.000
46	034	BONE		1136.000	2.000
		* BED:MSB 10 MSB 10			
47	300	SDY SH		1163.000	29.000
48	503	SS W/SH STRS		1213.000	48.000
49	300	SDY SH		1236.000	43.000
50	021	COMMON BANDED COAL		1257.500	1.500
		* BED:UMP 10 UMP 10			
51	100	SH (UNDIF)		1263.000	5.500
52	500	SS		1270.000	7.000
53	300	SDY SH		1278.900	8.900
54	021	COMMON BANDED COAL		1280.700	1.800
		* BED:UMP 20 UMP 20			
55	300	SDY SH		1293.000	12.300
56	500	SS		1299.000	6.000
57	021	COMMON BANDED COAL		1299.500	.500
		* BED:MWP 10 MWP 10			
58	300	SDY SH		1329.000	29.500
59	560	HARD SS		1375.000	46.000
60	300	SDY SH		1405.000	30.000
61	500	SS		1415.000	10.000
62	560	HARD SS		1421.000	6.000
63	021	COMMON BANDED COAL		1421.500	.500
		* BED:WRC 10 WRC 10			
64	300	SDY SH		1448.000	26.500
65	500	SS		1494.000	46.000
66	100	SH (UNDIF)		1494.700	.700
67	034	BONE		1494.900	.200
		* BED:LNP 20			
68	021	COMMON BANDED COAL		1495.300	.400
69	100	SH (UNDIF)		1495.400	.100
70	021	COMMON BANDED COAL		1496.600	1.200
		* BED:LNP 20			
71	300	SDY SH		1510.000	13.400
72	560	HARD SS		1523.000	13.000
73	300	SDY SH		1550.500	27.500
74	103	SH W/COAL STRS		1552.000	1.500
75	021	COMMON BANDED COAL		1552.800	.800
		* BED:PC9 10			
76	100	SH (UNDIF)		1553.400	.600
77	021	COMMON BANDED COAL		1554.600	1.200
		* BED:PC9 10			
78	100	SH (UNDIF)		1562.000	7.400
79	300	SDY SH		1569.000	7.000
80	500	SS		1581.000	12.000
81	300	SDY SH		1599.500	14.500
82	100	SH (UNDIF)		1598.000	2.500

LOG# 1 1 EYNHT 1 IVAJ 1 2 1: 24000.1 10= 170

LINE	CODE	ENGLISH	COMMENTS	CUMULATIVE	UNIT
83	034	BONE			
84	021	COMMON BANDED COAL		1599.000	1.000
		* BED:PC9 20 PC9 20		1600.000	1.000
85	100	SH (UNDIF)			
86	503	SS W/SH STKS		1603.000	3.000
87	300	SDY SH		1620.000	17.000
88	100	SH (UNDIF)		1682.000	62.000
89	300	SDY SH		1686.000	4.000
90	503	SS W/SH STKS		1694.000	8.000
91	550	XTLIZED SS		1717.000	23.000
92	560	HARD SS		1727.000	10.000
93	550	XTLIZED SS		1734.000	7.000
94	021	COMMON BANDED COAL		1796.500	62.500
		* BED:PC6 10		1797.100	.600
95	034	BONE			
		* BED:PC6 10		1797.700	.600
96	300	SDY SH		1801.000	3.300
97	550	XTLIZED SS		1827.000	26.000
98	560	HARD SS		1851.000	24.000
99	550	XTLIZED SS		1912.000	61.000
100	100	SH (UNDIF)		1921.200	9.200
101	021	COMMON BANDED COAL		1921.600	.400
		* BED:PC4 10			
102	034	BONE		1921.800	.200
103	021	COMMON BANDED COAL		1922.900	1.100
104	034	BONE		1923.100	.200
105	021	COMMON BANDED COAL		1924.300	1.200
106	034	BONE		1924.500	.200
107	021	COMMON BANDED COAL		1926.400	1.900
		* BED:PC4 10			
108	300	SDY SH		1961.900	35.500
109	021	COMMON BANDED COAL		1962.200	.300
		* BED:PC3 10			
110	100	SH (UNDIF)		1962.600	.400
111	021	COMMON BANDED COAL		1963.100	.500
		* BED:PC3 10			
112	100	SH (UNDIF)		1963.300	.200
113	021	COMMON BANDED COAL		1964.000	.700
		* BED:PC3 20			
114	100	SH (UNDIF)		1964.500	.600
115	021	COMMON BANDED COAL		1965.300	.700
116	100	SH (UNDIF)		1965.600	.300
117	021	COMMON BANDED COAL		1966.000	.400
		* BED:PC3 20			
118	100	SH (UNDIF)		1966.200	.200
119	034	BONE		1966.800	.600
120	021	COMMON BANDED COAL		1967.300	.500
		* BED:PC3 30			
121	034	BONE		1967.900	.600
122	021	COMMON BANDED COAL		1968.300	.400
		* BED:PC3 30			

PAGE: 5 OWNER NAME: ISLAND CREEK CORPORATION
ALL DEPTH/THICKNESS DATA IN FEET

SERIAL NUM: IC1092686-003-3.00

LOG=C I INVENT ; (VA) (2 1: 24000.1 ID= 170

LINE	CODE	ENGLISH	COMMENTS	CUMULATIVE	UNIT
123	300	SPY 6H		2009.000	60.700

PAGE: 1 OWNER NAME: ISLAND CREEK CORPORATION
ALL DEPTH/THICKNESS DATA IN FEET

SERIAL NUM:IC1092686-003-3.00

LOG# 1 [VHNT] 3 [VAL] 2 15 24000.1 10= 171

IDENTIFICATION SECTION

1. SURF NAME: VNSMT
2. STATE LOCATION OF SURF: VA
3. SCALE OF SURF: 2
4. LOG ID #: 171
- 5.1 UNPUBLISHED RECORD, COMPANY OR AGENCY NAME: ISLAND CREEK CORP
6. DIVISION OR TRACT:
7. DRILL HOLE NUMBER: CB-V10
8. CONTRIBUTING COMPANY OR AGENCY: ISLAND CREEK CORP
9. CONTRIBUTING COMPANY DOW: CB-V10

COORDINATES OF HOLE OR SECTION

- 12.1 STATE CODE: VAS
- 12.2 STATE PLANE N/S: 3614062.07
- 12.3 STATE PLANE E/W: 10439105.27
- 13.1 COMPANY GRID N/S: 20021.48
- 13.2 COMPANY GRID E/W: 26236.13

CIVIL DISTRICT WHERE LOCATED

17. STATE WHERE HOLE LOCATED: VA
18. COUNTY: BUCHANAN
19. TOWNSHIP, MAGISTERIAL DISTRICT, OR INCORPORATED PLACE:
20. GROUND LOCATION DESCRIPTION: MURPHYS FOM

APPENDIX OR SECTION DESCRIPTION

21. ELEVATION AT TOP OF HOLE OR SECTION: F 1725.43 DRILL ANGLE D.
22. METHOD OF ELEVATION DETERMINATION: S
23. NAME OF PERSON LOGGING: GLS
24. YEAR DRILLED OR MEASURED: 1991
25. TOTAL DEPTH OF DRILL HOLE: F 1621.000
26. BED CODE REGION IDENTIFIER: MAPP
27. CODE OF UPPERMOST IDENTIFIABLE BED: TIL
28. CODE OF LOWERMOST IDENTIFIABLE BED: PCJ
- 29.1 KIND OF RECORD: E
- 29.2 METHOD OF LITHO DESCRIPTION: 1(DOGE)
- 30.1 UNITS OF MEASUREMENT: 2(PT 3)
- 30.2 METHOD(S) OF MEASUREMENT: 1(THC)

PERSON(S) LAST MODIFYING THIS LOG

31. PERSON SUBMITTING LOG FOR ENTRY: RNR
32. DATE OF LOG SUBMISSION (MM/DD/YYYY): 5/30/91
- LAST MODIFIED BY: DEL
- DATE: 9/6/1992

USER DATA:

PAGE: 2 OWNER NAME: ISLAND CREEK CORPORATION
ALL DEPTH/THICKNESS DATA IN FEET

SERIAL NCM:ICT092686-003-3,00

LOG# 1 J IVMENT J IVA [2 1: 24000.] ID# 171

LINE	CODE	ENGLISH	COMMENTS	CUMULATIVE	UNIT
1	001	CASING OR SURFACE			
2	500	SS		340.000	340.000
3	021	COMMON BANDED COAL		368.000	28.000
		* BED:TIL 10 TIL 10		369.500	1.500
4	300	SOY SH			
5	021	COMMON BANDED COAL		416.400	46.900
		* BED:TIL 20 TIL 20		417.250	.850
6	100	SH (UNDIF)		420.800	3.550
7	021	COMMON BANDED COAL		421.050	.250
		* BED:TIL 30			
8	100	SH (UNDIF)		421.250	.200
9	034	BONE		421.400	.150
10	100	SH (UNDIF)		421.430	.030
11	021	COMMON BANDED COAL		422.000	.570
		* BED:TIL 30			
12	300	SOY SH			
13	021	COMMON BANDED COAL		508.500	86.500
		* BED:USB 10 USB 10		509.000	.500
14	100	SH (UNDIF)			
15	300	SOY SH		518.000	9.000
16	500	SS		530.000	12.000
17	100	SH (UNDIF)		554.000	24.000
18	021	COMMON BANDED COAL		557.000	3.000
		* BED:USB 20 USB 20		558.500	1.500
19	300	SOY SH			
20	500	HARD SS		563.000	4.500
21	300	SOY SH		587.000	24.000
22	500	SS		635.000	48.000
23	021	COMMON BANDED COAL		653.000	18.000
		* BED:GYC 10 GYC 10		654.000	1.000
24	100	SH (UNDIF)			
25	300	SOY SH		657.000	3.000
26	500	SS		663.000	6.000
27	300	SOY SH		692.000	29.000
28	021	COMMON BANDED COAL		742.000	50.000
		* BED:MMB 20 MMB 20		743.000	1.000
29	300	SOY SH			
30	500	SS		752.000	9.000
31	300	SOY SH		772.000	20.000
32	500	SS		795.000	23.000
33	300	SOY SH		820.000	25.000
34	500	SS		823.000	3.000
35	300	SOY SH		843.000	20.000
36	500	SS		847.000	4.000
37	300	SOY SH		852.000	5.000
38	021	COMMON BANDED COAL		880.800	28.800
		* BED:UMP 10		881.100	.300
39	100	SH (UNDIF)			
40	021	COMMON BANDED COAL		881.250	.150
41	100	SH (UNDIF)		881.800	.550
				881.950	.150

LOG# 1 TIVMENT 1 TVAL 1 2 1: 24000; 10= 171

LINE	CODE	ENGLISH	COMMENTS	CUMULATIVE	UNIT
42	021	COMMON BANDED COAL		883.300	1.350
		* BED:LMP 10			
43	560	HARD SS		901.000	17.700
44	100	SH (UNDIF)		903.700	2.700
45	021	COMMON BANDED COAL		904.550	.850
		* BED:LMP 20			
46	100	SH (UNDIF)		904.650	.100
47	021	COMMON BANDED COAL		905.700	1.050
		* BED:LMP 20			
48	300	SDY SH		907.000	1.300
49	560	HARD SS		930.000	23.000
50	300	SDY SH		939.000	9.000
51	021	COMMON BANDED COAL		939.430	.430
		* BED:LMP 10			
52	034	BONE		939.600	.150
53	100	SH (UNDIF)		939.900	.300
54	021	COMMON BANDED COAL		940.200	.300
55	034	BONE		940.300	.100
56	021	COMMON BANDED COAL		940.800	.500
		* BED:LMP 10			
57	300	SDY SH		1011.000	70.200
58	500	SS		1015.000	4.000
59	300	SDY SH		1018.500	3.500
60	021	COMMON BANDED COAL		1019.500	1.000
		* BED:WRC 10			
61	034	BONE		1020.000	.500
		* BED:WRC 10			
62	300	SDY SH		1047.500	27.500
63	034	BONE		1048.000	.500
		* BED:WRC 20			
64	100	SH (UNDIF)		1049.000	1.000
65	021	COMMON BANDED COAL		1049.500	.500
		* BED:WRC 20			
66	300	SDY SH		1054.500	5.000
67	500	SS		1060.500	6.000
68	560	HARD SS		1074.000	13.500
69	500	SS		1087.500	13.500
70	100	SH (UNDIF)		1089.000	1.500
71	034	BONE		1090.500	1.500
		* BED:LMP 10 LMP 10			
72	300	SDY SH		1096.500	6.000
73	500	SS		1100.000	3.500
74	100	SH (UNDIF)		1100.800	.800
75	034	BONE		1109.100	.200
		* BED:LMP 20			
76	100	SH (UNDIF)		1109.250	.150
77	021	COMMON BANDED COAL		1109.900	.650
78	034	BONE		1110.200	.300
79	021	COMMON BANDED COAL		1110.900	.700
		* BED:LMP 20			

LOG# 1 ZVNSMT 1 CYA 1 2 1+ 24000.3 ID# 171

LINE	CODE	ENGLISH	COMMENTS	CUMULATIVE	UNIT
80	100	SH (UNDIF)			
81	550	UTILIZED SS		1113.000	2.100
82	021	COMMON BANDED COAL		1172.000	59.000
		* BED:PC9 10 PC9 10		1173.000	1.000
83	300	SOY SH			
84	021	COMMON BANDED COAL		1187.250	14.250
		* BED:PC9 20		1188.100	.850
85	034	BONE			
86	021	COMMON BANDED COAL		1188.250	.150
87	100	SH (UNDIF)		1188.800	.550
88	021	COMMON BANDED COAL		1189.800	1.000
		* BED:PC9 20		1190.400	.600
89	100	SH (UNDIF)			
90	300	SOY SH		1193.000	2.600
91	503	SS W/SH STKS		1337.000	144.000
92	550	UTILIZED SS		1344.000	7.000
93	300	SOY SH		1459.000	115.000
94	034	BONE		1460.800	1.800
		* BED:PC5 10		1460.950	.150
95	100	SH (UNDIF)			
96	001	CASING OR SURFACE		1461.150	.200
97	034	BONE		1461.550	.400
98	021	COMMON BANDED COAL		1461.700	.150
99	100	SH (UNDIF)		1462.300	.600
100	034	BONE		1463.000	.700
		* BED:PC5 10		1463.200	.200
101	100	SH (UNDIF)			
102	021	COMMON BANDED COAL		1465.500	2.300
		* BED:PC5 20		1465.800	.300
103	100	SH (UNDIF)			
104	034	BONE		1466.200	.400
105	100	SH (UNDIF)		1466.400	.200
106	034	BONE		1466.500	.100
107	021	COMMON BANDED COAL		1466.900	.400
108	100	SH (UNDIF)		1467.500	.600
109	034	BONE		1467.700	.200
110	021	COMMON BANDED COAL		1467.900	.200
		* BED:PC5 20		1469.300	1.400
111	100	SH (UNDIF)			
112	560	HARD SS		1472.000	2.700
113	300	SOY SH		1505.000	33.000
114	500	SS		1512.000	7.000
115	021	COMMON BANDED COAL		1524.800	12.800
		* BED:PC4 20		1525.200	.400
116	100	SH (UNDIF)			
117	021	COMMON BANDED COAL		1525.500	.300
118	100	SH (UNDIF)		1525.900	.400
119	021	COMMON BANDED COAL		1526.400	.500
		* BED:PC4 20		1527.300	.900
120	300	SOY SH		1543.500	16.200

PAGE: 5 OWNER NAME: ISLAND CREEK CORPORATION
ALL DEPTH/THICKNESS DATA IN FEET

SERIAL NUM:IC1092686-003-3.00

LOG#(1) EVENT 1 DIA3 (2 1: 24000.) ID# 171

LINE	CODE	ENGLISH	COMMENTS	CUMULATIVE	UNIT
121	543	GRY SK U/SN STKS			
122	324	DRK GRY MASS SDY SN	FINES UP	1573.000	29.500
123	021	COMMON BANDED COAL		1577.500	4.500
		* BED:PCS 10 PCS 10		1578.600	1.300
124	100	SN (UNDIF)		1579.000	.200
125	021	COMMON BANDED COAL		1582.900	3.900
		* BED:PCS 20 PCS 30			
126	100	SN (UNDIF)		1585.000	2.100
127	500	SDY SN		1601.000	16.000
128	500	SS		1621.000	20.000

PAGE: 1 OWNER NAME: ISLAND CREEK CORPORATION
ALL DEPTH/THICKNESS DATA IN FEET

SERIAL NUM:101092686-003-3.00

LOG#1 1 (VNSHT) 1 (VA) (2 1: 24000.7) 10= 173

IDENTIFICATION SECTION

1. QUAD NAME: VNSHT
2. STATE LOCATION OF QUAD: VA
3. SCALE OF QUAD: 2
4. LOG ID #: 173
- 5.1 UNPUBLISHED RECORD, COMPANY OR AGENCY NAME: ISLAND CREEK CORP
5. DIVISION OR TRACT:
7. DRILL HOLE NUMBER: CR-W10
8. CONTRIBUTING COMPANY OR AGENCY: ISLAND CREEK CORP
9. CONTRIBUTING COMPANY OR: CR-W10

COORDINATES OF HOLE OR SECTION

- 12.1 STATE CODE: VAS
- 12.2 STATE PLANE N/S: 3007256.13
- 12.3 STATE PLANE E/W: 10444257.00
- 15.1 COMPANY GRID N/S: 19595.54
- 15.2 COMPANY GRID E/W: 25358.19

CIVIL DISTRICT WHERE LOCATED

17. STATE WHERE HOLE LOCATED: VA
18. COUNTY: BUCHANAN
19. TOWNSHIP, MAGISTERIAL DISTRICT, OR INCORPORATED PLACE:
20. GROUND LOCATION DESCRIPTION: MURPHY'S FORK

BOREHOLE OR SECTION DESCRIPTION

21. ELEVATION AT TOP OF HOLE OR SECTION: F 1643.35 DRILL ANGLE 0.
22. METHOD OF ELEVATION DETERMINATION: S
23. NAME OF PERSON LOGGING: GLS
24. YEAR DRILLED OR MEASURED: 1991
25. TOTAL DEPTH OF DRILL HOLE: F 1923.000
26. BED CODE REGION IDENTIFIER: WAPP
27. CODE OF UPPERMOST IDENTIFIABLE BED: US8
28. CODE OF LOWERMOST IDENTIFIABLE BED: PCS
- 29.1 KIND OF RECORD: E
- 29.2 METHOD OF LITHO DESCRIPTION: 1(CODE)
- 30.1 UNITS OF MEASUREMENT: 2(FEET)
- 30.2 METHOD(S) OF MEASUREMENT: 7(TIME)

PERSON(S) LAST MODIFYING THIS LOG

31. PERSON SUBMITTING LOG FOR ENTRY: DMS
32. DATE OF LOG SUBMISSION (MM/DD/YYYY): 6/3/91
- LAST MODIFIED BY: DGL
- DATE: 9/4/1992

USER DATA:

PAGE: 2 OWNER NAME: ISLAND CREEK CORPORATION
ALL DEPTH/THICKNESS DATA IN FEET

SERIAL NUM:IC1092686-003-3.00

LOG# 1 EVENT 1 DIA 1 2 1: 24000.1 TDV 173

LINE	CODE	ENGLISH	COMMENTS	CUMULATIVE	UNIT
1	001	CASING ON SURFACE			
2	300	SDY SH		337.000	337.000
3	021	COMMON BANDED COAL		416.500	79.500
		* BED:USB 10 USB 10		417.000	.500
4	100	SH (UNDF)		427.000	10.000
5	300	SDY SH		444.000	17.000
6	500	SS		460.000	16.000
7	300	SDY SH		464.000	4.000
8	100	SH (UNDF)		474.000	10.000
9	300	SDY SH		477.000	3.000
10	021	COMMON BANDED COAL		479.000	1.000
		* BED:USB 20 USB 20			
11	300	SDY SH		484.000	5.000
12	503	SS W/SN STKS		493.000	9.000
13	300	SDY SH		565.000	72.000
14	021	COMMON BANDED COAL		567.000	2.000
		* BED:GYC 10 GYC 10			
15	300	SDY SH		569.000	2.000
16	500	SS		592.000	23.000
17	300	SDY SH		616.000	24.000
18	100	SH (UNDF)		637.500	21.500
19	300	SDY SH		640.000	2.500
20	021	COMMON BANDED COAL		641.000	1.000
		* BED:MSB 20 MSB 20			
21	300	SDY SH		651.000	10.000
22	503	SS W/SN STKS		678.000	27.000
23	300	SDY SH		716.000	38.000
24	503	SS W/SN STKS		729.000	13.000
25	300	SDY SH		748.000	19.000
26	503	SS W/SN STKS		755.000	7.000
27	300	SDY SH		776.000	21.000
28	100	SH (UNDF)		782.000	6.000
29	021	COMMON BANDED COAL		784.500	2.500
		* BED:UNP 10 UNP 10			
30	300	SDY SH		788.000	3.500
31	500	SS		797.000	9.000
32	300	SDY SH		801.000	4.000
33	560	HARD SS		807.500	6.500
34	021	COMMON BANDED COAL		809.000	1.500
		* BED:UNP 20 UNP 20			
35	560	HARD SS		826.000	17.000
36	300	SDY SH		842.300	16.300
37	021	COMMON BANDED COAL		842.900	.600
		* BED:UNP 10			
38	100	SH (UNDF)		843.100	.200
39	021	COMMON BANDED COAL		844.000	.900
40	034	BONE		844.200	.200
		* BED:UNP 10			
41	300	SDY SH		925.000	80.800
42	021	COMMON BANDED COAL		926.000	1.000
		* BED:WRC 10 WRC 10			

PAGE: 3 OWNER NAME: ISLAND CREEK CORPORATION
ALL DEPTH/THICKNESS DATA IN FEET

SERIAL NUM:1C1092686-003-3.00

LOG# 1 EVENT 1 [VAL 2 1: 24000] ID# 173

LINE	CODE	ENGLISH	COMMENTS	CUMULATIVE	UNIT
43	300	SDY SH			
44	021	COMMON BANDED COAL		944.500	18.500
		* BED:HRC 20		945.000	.500
45	100	SH (UNDIF)		945.500	.500
46	021	COMMON BANDED COAL		946.000	.500
47	300	SDY SH		957.000	11.000
48	021	COMMON BANDED COAL		958.000	1.000
		* BED:HRC 20			
49	300	SDY SH		961.000	3.000
50	500	SS		970.000	9.000
51	300	SDY SH		975.000	5.000
52	500	SS		988.000	12.000
53	300	SDY SH		990.500	2.500
54	034	BONE		991.000	.500
		* BED:LMP 10 LMP 10			
55	100	SH (UNDIF)		996.000	5.000
56	300	SDY SH		1011.000	15.000
57	021	COMMON BANDED COAL		1013.000	2.000
		* BED:LMP 20 LMP 20			
58	300	SDY SH		1015.000	2.000
59	550	XTLIZED SS		1085.000	70.000
60	300	SDY SH		1086.200	3.200
61	021	COMMON BANDED COAL		1089.400	1.200
		* BED:PCS 20			
62	100	SH (UNDIF)		1089.800	.400
63	021	COMMON BANDED COAL		1091.200	1.400
64	100	SH (UNDIF)		1091.500	.300
65	021	COMMON BANDED COAL		1092.000	.500
		* BED:PCS 20			
66	100	SH (UNDIF)		1097.000	5.000
67	300	SDY SH		1109.000	12.000
68	500	SS		1119.000	10.000
69	100	SH (UNDIF)		1140.000	21.000
70	500	SS		1143.000	3.000
71	300	SDY SH		1168.000	25.000
72	021	COMMON BANDED COAL		1169.500	1.500
		* BED:PCS 10			
73	034	BONE		1171.500	2.000
		* BED:PCS 10			
74	300	SDY SH		1199.000	27.500
75	100	SH (UNDIF)		1202.000	3.000
76	300	SDY SH		1225.000	23.000
77	503	SS W/SH STKS		1240.000	15.000
78	300	SDY SH		1252.000	12.000
79	550	XTLIZED SS		1310.000	58.000
80	300	SDY SH		1315.000	5.000
81	550	XTLIZED SS		1319.000	4.000
82	300	SDY SH		1321.000	2.000
83	550	XTLIZED SS		1349.000	28.000
84	300	SDY SH		1356.650	7.650

PAGE: 6 OWNER NAME: ISLAND CREEK CORPORATION
ALL DEPTH/THICKNESS DATA IN FEET

SERIAL NUM: ICT092686-003-3.00

LOG#C 1 (VNSHT 1 (VAJ 1 2 1: 24000.1 10* 173

LIN#	CODE	ENGLISH	COMMENT#	CUMULAT (VE	UNIT
85	021	COMMON BANDED COAL		1356.850	.200
		* BED:PCS 10 PCS 10			
86	100	SH (UNDIF)		1361.900	5.050
87	021	COMMON BANDED COAL		1362.300	.600
		* BED:PCS 20			
88	100	SH (UNDIF)		1362.600	.500
89	021	COMMON BANDED COAL		1362.900	.300
90	100	SH (UNDIF)		1363.100	.200
91	021	COMMON BANDED COAL		1363.700	.600
92	100	SH (UNDIF)		1363.900	.200
93	021	COMMON BANDED COAL		1364.800	.900
		* BED:PCS 20			
94	300	SDY SH		1377.000	12.200
95	300	SS		1399.300	22.300
96	034	BONE		1399.500	.200
		* BED:PCA 10			
97	100	SH (UNDIF)		1399.650	.150
98	021	COMMON BANDED COAL		1399.950	.300
99	100	SH (UNDIF)		1400.100	.150
100	034	BONE		1400.400	.300
101	021	COMMON BANDED COAL		1401.200	.800
102	034	BONE		1401.500	.300
		* BED:PCA 10			
103	300	SS		1411.000	9.500
104	300	SDY SH		1415.500	4.500
105	021	COMMON BANDED COAL		1416.000	.500
		* BED:PCA 20			
106	100	SH (UNDIF)		1416.300	.300
107	021	COMMON BANDED COAL		1416.600	.300
108	100	SH (UNDIF)		1416.900	.300
109	034	BONE		1417.400	.500
110	021	COMMON BANDED COAL		1417.900	.500
		* BED:PCA 20			
111	300	SDY SH		1449.000	31.100
112	500	SS		1457.000	8.000
113	300	SDY SH		1458.100	9.100
114	021	COMMON BANDED COAL		1469.650	3.550
		* BED:PCS 10 PCS 20			
115	100	SH (UNDIF)		1469.800	.150
116	021	COMMON BANDED COAL		1471.100	1.300
		* BED:PCS 30 PCS 30			
117	300	SDY SH		1487.000	15.900
118	500	SS		1494.000	7.000
119	300	SDY SH		1509.000	15.000
120	500	HARD SS		1523.000	14.000

PAGE: 1 OWNER NAME: ISLAND CREEK CORPORATION
ALL DEPTH/THICKNESS DATA IN FEET

SERIAL NUM:IC1092686-003-3.D0

LOG#: J IVNSMT 1 (VA) 1.2 1: 24000.J ID# 180

IDENTIFICATION SECTION

1. QUAD NAME: VNSMT
2. STATE LOCATION OF QUAD: VA
3. SCALE OF QUAD: 2
4. LOG ID #: 180
- 5.1 UNPUBLISHED RECORD. COMPANY OR AGENCY NAME: ISLAND CREEK CORP
6. DIVISION OR TRACT:
7. DRILL HOLE NUMBER: CB-WTT
8. CONTRIBUTING COMPANY OR AGENCY: ISLAND CREEK CORP
9. CONTRIBUTING COMPANY DOHH: CB-WTT

COORDINATES OF HOLE OR SECTION

- 12.1 STATE CODE: VAS
- 12.2 STATE PLANE N/S: 3607441.23
- 12.3 STATE PLANE E/W: 10446023.73
- 13.1 COMPANY GRID N/S: 19629.01
- 13.2 COMPANY GRID E/W: 27119.23

CIVIL DISTRICT WHERE LOCATED

17. STATE WHERE HOLE LOCATED: VA
18. COUNTY: BUCHANAN
19. TOWNSHIP, MAGISTERIAL DISTRICT, OR INCORPORATED PLACE:
20. GROUND LOCATION DESCRIPTION: MURPHY'S FORK

BOREHOLE OR SECTION DESCRIPTION

21. ELEVATION AT TOP OF HOLE OR SECTION: F 1733.72 DRILL ANGLE 0.
22. METHOD OF ELEVATION DETERMINATION:
23. NAME OF PERSON LOGGING: GLS
24. YEAR DRILLED OR MEASURED: 1997
25. TOTAL DEPTH OF DRILL HOLE: F 1650.000
26. BED CODE REGION IDENTIFIER: MAPR
27. CODE OF UPPERMOST IDENTIFIABLE BED: TIL
28. CODE OF LOWERMOST IDENTIFIABLE BED: PCS
- 29.1 KIND OF RECORD: E
- 29.2 METHOD OF LITHO DESCRIPTION: 1(CODE)
- 30.1 UNITS OF MEASUREMENT: 2(FY 1
- 30.2 METHOD(S) OF MEASUREMENT: 1(CHK 1

PERSON(S) LAST MODIFYING THIS LOG

31. PERSON SUBMITTING LOG FOR ENTRY: RMS
32. DATE OF LOG SUBMISSION (MM/DD/YYYY): 6/4/97
- LAST MODIFIED BY: DGL
- DATE: 9/6/1992

USER DATA:

LOG#(1 IVNSHT 1 IVA1 C 2 1: 24000.1 ID= 180

LINE	CODE	ENGLISH	COMMENTS	CUMULATIVE	UNIT
1	001	CASING ON SURFACE			
2	300	HARD SS		386.000	386.000
3	300	SDY SH		391.000	5.000
4	021	COMMON BANDED COAL		434.500	43.500
		* BED:TIL 20 TIL 20		435.500	1.000
5	300	SDY SH			
6	021	COMMON BANDED COAL		441.000	5.500
		* BED:TIL 30 TIL 30		442.000	1.000
7	300	SDY SH			
8	503	SS W/SH STKS		455.000	13.000
9	300	SDY SH		462.500	7.500
10	021	COMMON BANDED COAL		532.000	69.500
		* BED:USB 10 USB 10		533.000	1.000
11	100	SH (UNDIF)			
12	300	SDY SH		542.000	9.000
13	503	SS W/SH STKS		548.000	6.000
14	300	SDY SH		574.000	26.000
15	100	SH (UNDIF)		583.000	9.000
16	021	COMMON BANDED COAL		588.500	5.500
		* BED:USB 20		589.500	1.000
17	100	SH (UNDIF)			
18	034	BONE		590.000	.500
		* BED:USB 20		590.500	.500
19	300	SDY SH			
20	500	SS		595.500	5.000
21	300	SDY SH		604.000	8.500
22	500	SS		670.000	66.000
23	021	COMMON BANDED COAL		673.200	3.200
		* BED:BYC 10		673.700	.500
24	034	BONE			
25	021	COMMON BANDED COAL		673.900	.200
26	100	SH (UNDIF)		674.300	.400
27	034	BONE		674.500	.200
		* BED:BYC 10		674.900	.400
28	100	SH (UNDIF)			
29	300	SDY SH		678.000	3.100
30	500	SS		689.000	11.000
31	300	SDY SH		717.000	28.000
32	034	BONE		771.200	54.200
		* BED:HBB 20		771.650	.450
33	021	COMMON BANDED COAL			
34	034	BONE		772.400	.750
35	021	COMMON BANDED COAL		772.550	.150
36	034	BONE		772.850	.300
		* BED:MSB 20		773.300	.450
37	100	SH (UNDIF)			
38	500	SS		777.000	3.700
39	021	COMMON BANDED COAL		798.000	21.000
		* BED:LSB 10		798.500	.500
40	300	SDY SH			
				803.500	5.000

LOG# 3 (VMSHT) 1 (VA) 1 2 1: 24000.7 ID= 180

LINE	CODE	ENGLISH	COMMENTS	CUMULATIVE	UNIT
41	021	COMMON BANDED COAL		804.000	.500
		* BED:LSP 10			
42	100	SH (UNDIF)		807.000	3.000
43	300	SDY SH		818.000	11.000
44	500	SS		832.000	14.000
45	300	SDY SH		853.000	21.000
46	500	SS		869.000	16.000
47	300	SDY SH		895.000	26.000
48	021	COMMON BANDED COAL		896.100	1.100
		* BED:LHP 10			
49	100	SH (UNDIF)		896.250	.150
50	021	COMMON BANDED COAL		897.300	1.050
51	100	SH (UNDIF)		897.400	.100
52	034	BONE		897.500	.100
		* BED:LHP 10			
53	100	SH (UNDIF)		899.000	1.500
54	500	SS		918.500	19.500
55	340	HARD SS		923.800	5.300
56	034	BONE		924.100	.300
		* BED:LHP 20			
57	021	COMMON BANDED COAL		925.800	1.700
		* BED:LHP 20			
58	300	SDY SH		928.000	2.200
59	550	HARD SS		950.000	22.000
60	300	SDY SH		961.000	11.000
61	021	COMMON BANDED COAL		961.500	.500
		* BED:LHP 10			
62	100	SH (UNDIF)		961.800	.300
63	021	COMMON BANDED COAL		962.800	1.000
		* BED:LHP 10			
64	300	SDY SH		1035.000	72.200
65	500	SS		1040.000	5.000
66	300	SDY SH		1044.000	4.000
67	021	COMMON BANDED COAL		1045.000	1.000
		* BED:LRC 10 LRC 10			
68	300	SDY SH		1075.000	30.000
69	021	COMMON BANDED COAL		1077.000	2.000
		* BED:LRC 20 LRC 20			
70	300	SDY SH		1079.000	2.000
71	500	SS		1098.000	19.000
72	300	SDY SH		1105.000	7.000
73	500	SS		1112.000	7.000
74	100	SH (UNDIF)		1115.000	3.000
75	034	BONE		1116.000	1.000
		* BED:LHP 10 LHP 10			
76	100	SH (UNDIF)		1116.000	2.000
77	300	SDY SH		1134.550	18.550
78	034	BONE		1134.700	.150
		* BED:LHP 20			
79	100	SH (UNDIF)		1135.000	.300

LOG# 1 EVENT 1 DVAL 2.1: 24000.1 TO= 180

LINE	CODE	ENGLISH	COMMENTS	CUMULATIVE	UNIT
80	021	COMMON BANDED COAL		1135.550	.550
81	100	SH (UNDIF)		1135.700	.150
82	021	COMMON BANDED COAL		1136.700	1.000
83	034	BONE		1137.100	.400
* BED: LHP 20					
84	300	SDY SH		1142.000	4.000
85	550	XTLIZED SS		1168.000	26.000
86	500	SS		1170.000	2.000
87	550	XTLIZED SS		1189.500	19.500
88	021	COMMON BANDED COAL		1190.000	.500
* BED: PCS 10 PCS 10					
89	300	SDY SH		1203.000	13.000
90	100	SH (UNDIF)		1205.000	2.000
91	021	COMMON BANDED COAL		1205.800	.800
* BED: PCS 20					
92	100	SH (UNDIF)		1206.000	.200
93	021	COMMON BANDED COAL		1206.500	.500
94	100	SH (UNDIF)		1206.800	.300
95	021	COMMON BANDED COAL		1207.500	.700
* BED: PCS 20					
96	300	SDY SH		1310.000	102.500
97	100	SH (UNDIF)		1313.000	3.000
98	300	SDY SH		1343.000	30.000
99	550	XTLIZED SS		1436.000	93.000
100	560	HARD SS		1443.000	7.000
101	550	XTLIZED SS		1463.000	20.000
102	500	SS		1467.500	4.500
103	550	XTLIZED SS		1472.000	4.500
104	560	HARD SS		1475.000	3.000
105	550	XTLIZED SS		1480.000	5.000
106	300	SDY SH		1500.350	20.350
107	021	COMMON BANDED COAL		1500.500	.150
* BED: PCS 10					
108	100	SH (UNDIF)		1500.650	.150
109	021	COMMON BANDED COAL		1501.300	.650
* BED: PCS 10					
110	100	SH (UNDIF)		1504.700	3.400
111	034	BONE		1504.900	.200
* BED: PCS 20					
112	100	SH (UNDIF)		1505.200	.300
113	034	BONE		1505.600	.400
114	100	SH (UNDIF)		1505.800	.200
115	034	BONE		1506.200	.400
116	100	SH (UNDIF)		1506.500	.300
117	034	BONE		1506.700	.200
118	021	COMMON BANDED COAL		1508.050	1.350
* BED: PCS 20					
119	100	SH (UNDIF)		1513.000	4.950
120	500	SS		1530.000	17.000
121	505	SS W/SH STR		1542.000	12.000

LOG=C 1 (VNSHT 3 (VA) 1 2 1: 24000.) ID= 180

LINE	CODE	ENGLISH	COMMENTS	CUMULATIVE	ONLY
122	560	WARD SH			
123	500	SH		1547.000	5.000
124	300	SOY SH		1558.000	11.000
125	034	BONE		1558.700	.700
		* BED:PC4 10		1559.200	.500
126	021	COMMON BANDED COAL		1565.500	6.300
127	100	SH (UNDIF)		1566.950	1.450
128	034	BONE		1567.200	.250
129	100	SH (UNDIF)		1567.400	.200
130	021	COMMON BANDED COAL		1567.700	.300
		* BED:PC4 10			
131	300	SOY SH		1602.600	34.900
132	021	COMMON BANDED COAL		1603.900	1.300
		* BED:PC3 10 PC3 10			
133	100	SH (UNDIF)		1604.050	.150
134	021	COMMON BANDED COAL		1606.400	2.350
		* BED:PC3 20			
135	100	SH (UNDIF)		1606.600	.200
136	021	COMMON BANDED COAL		1606.750	.150
		* BED:PC3 20			
137	100	SH (UNDIF)		1606.900	.150
138	021	COMMON BANDED COAL		1608.200	1.300
		* BED:PC3 30 PC3 30			
139	300	SOY SH		1650.000	41.800

PAGE: 1 OWNER NAME: ISLAND CREEK CORPORATION
ALL DEPTH/THICKNESS DATA IN FEET

SERIAL NUM:IC1092686-003-3.00

LOG#C 1 IVNSMT 1 (VA) [2 1: 24000.3 10# 166

IDENTIFICATION SECTION

1. QUAD NAME: VNSMT
2. STATE LOCATION OF QUAD: VA
3. SCALE OF QUAD: 2
4. LOG ID #: 166
- 5.1 UNPUBLISHED RECORD, COMPANY OR AGENCY NAME: ISLAND CREEK COAL COMPANY
6. DIVISION OR TRACT:
7. DRILL HOLE NUMBER: CB-X9
8. CONTRIBUTING COMPANY OR AGENCY: ISLAND CREEK COAL COMPANY
9. CONTRIBUTING COMPANY DONOR: CB-X9

COORDINATES OF HOLE OR SECTION

- 12.1 STATE CODE: VAS
- 12.2 STATE PLANE N/E: 3604502.07
- 12.3 STATE PLANE E/W: 10445089.26
- 15.1 COMPANY GRID N/S: 16814.27
- 15.2 COMPANY GRID E/W: 24436.33

CIVIL DISTRICT WHERE LOCATED

17. STATE WHERE HOLE LOCATED: VA
18. COUNTY: BUCHANAN
19. TOWNSHIP, MARSHAL DISTRICT, OR INCORPORATED PLACE:
20. GROUND LOCATION DESCRIPTION: INDIAN GRAVE GAP

BOREHOLE OR SECTION DESCRIPTION

21. ELEVATION AT TOP OF HOLE OR SECTION: F 1567.72 DRILL ANGLE 0.
22. METHOD OF ELEVATION DETERMINATION: S
23. NAME OF PERSON LOGGING: JJK/RMS
24. YEAR DRILLED OR MEASURED: 1990
25. TOTAL DEPTH OF DRILL HOLE: F 1513.000
26. BED CODE REGION IDENTIFIER: NAPP
27. CODE OF UPPERMOST IDENTIFIABLE BED: GYC
28. CODE OF LOWERMOST IDENTIFIABLE BED: PC2
- 29.1 KIND OF RECORD: E
- 29.2 METHOD OF LISTING DESCRIPTION: 1(CODE)
- 30.1 UNITS OF MEASUREMENT: 2(FEET)
- 30.2 METHOD(S) OF MEASUREMENT: 2(CUM)

PERSON(S) LAST MODIFYING THIS LOG

31. PERSON SUBMITTING LOG FOR ENTRY: JJK
32. DATE OF LOG SUBMISSION (MM/DD/YYYY): 11-26-90
- LAST MODIFIED BY: DGL
- DATE: 9/8/1992
- USER DATA: WELL ANGLE 7.0 DEGREES

LOG# 1 IVNSHT 1 DIA 2 1: 24000.1 ID= 144

LINE	CODE	ENGLISH	COMMENTS	CUMULATIVE	UNIT
1	001	CASING ON SURFACE			
2	500	SS		356.000	356.000
3	100	SH (UNDIF)		375.000	19.000
4	500	SS		382.000	7.000
5	300	SDY SH		388.000	6.000
6	100	SH (UNDIF)		393.000	5.000
7	503	SS W/SH STRS		396.000	3.000
8	300	SDY SH		405.000	9.000
9	100	SH (UNDIF)		411.000	6.000
10	300	SDY SH		420.000	49.000
11	100	SH (UNDIF)		481.000	21.000
12	021	COMMON BANDED COAL		490.000	9.000
		* BED:BYC 10 BYC 10		491.000	1.000
13	100	SH (UNDIF)		498.000	7.000
14	500	SS		503.000	5.000
15	100	SH (UNDIF)		507.500	4.500
16	300	SDY SH		510.000	2.500
17	100	SH (UNDIF)		512.000	2.000
18	500	SS		525.000	13.000
19	100	SH (UNDIF)		545.000	20.000
20	300	SDY SH		550.000	5.000
21	100	SH (UNDIF)		583.000	33.000
22	021	COMMON BANDED COAL		584.000	1.000
		* BED:MSB 20 MSB 20			
23	100	SH (UNDIF)		590.000	6.000
24	503	SS W/SH STRS		606.000	16.000
25	300	SDY SH		608.000	2.000
26	100	SH (UNDIF)		613.000	5.000
27	030	IMPURE COAL		613.500	.500
		* BED:LSB 10			
28	100	SH (UNDIF)		615.700	2.200
29	021	COMMON BANDED COAL		616.200	.500
		* BED:LSB 10			
30	100	SH (UNDIF)		622.000	5.800
31	300	SDY SH		625.000	3.000
32	503	SS W/SH STRS		669.000	44.000
33	100	SH (UNDIF)		717.000	48.000
34	021	COMMON BANDED COAL		719.000	2.000
		* BED:UMP 10 UMP 10			
35	100	SH (UNDIF)		735.000	16.000
36	021	COMMON BANDED COAL		737.000	2.000
		* BED:UMP 20 UMP 20			
37	100	SH (UNDIF)		741.000	4.000
38	500	SS		757.000	16.000
39	100	SH (UNDIF)		764.000	7.000
40	300	SDY SH		766.000	2.000
41	100	SH (UNDIF)		769.000	3.000
42	021	COMMON BANDED COAL		771.000	2.000
		* BED:UMP 10 MHP 10			
43	100	SH (UNDIF)		775.000	4.000

LOG# 1 1 (V)ENT 2 (V)AL 2 1: 24000.0 10= 100

LINE	CODE	ENGLISH	COMMENTS	CUMULATIVE	UNIT
44	300	SDY SH			
45	500	SS		781.000	6.000
46	100	SH (UNDIF)		785.000	4.000
47	300	SDY SH		789.000	4.000
48	100	SH (UNDIF)		791.000	2.000
49	503	SS W/SH STRS		801.000	10.000
50	300	SDY SH		807.000	6.000
51	100	SH (UNDIF)		812.000	5.000
52	300	SDY SH		825.000	13.000
53	100	SH (UNDIF)		828.000	3.000
54	503	SS W/SH STRS		843.000	15.000
55	021	COMMON Banded COAL		851.000	8.000
		* BED: LHP 10 LHP 10		851.500	.500
56	100	SH (UNDIF)			
57	300	SDY SH		856.000	4.500
58	100	SH (UNDIF)		862.000	6.000
59	300	SDY SH		876.000	14.000
60	100	SH (UNDIF)		883.000	5.000
61	300	SDY SH		896.000	13.000
62	500	SS		900.000	4.000
63	030	IMPURE COAL		933.000	33.000
		* BED: LHP 10 LHP 10		934.000	1.000
64	100	SH (UNDIF)			
65	021	COMMON Banded COAL		937.000	3.000
		* BED: LHP 20 LHP 20		939.000	2.000
66	300	SDY SH			
67	500	SS		941.000	2.000
68	300	SDY SH		951.000	10.000
69	503	SS W/SH STRS		958.000	7.000
70	500	SS		984.000	26.000
71	100	SH (UNDIF)		1005.000	21.000
72	050	IMPURE COAL		1009.500	4.500
		* BED: PC9 10 PC9 10		1010.000	.500
73	100	SH (UNDIF)			
74	021	COMMON Banded COAL		1012.000	2.000
		* BED: PC9 20		1014.000	2.000
75	030	IMPURE COAL			
		* BED: PC9 20		1014.500	.500
76	100	SH (UNDIF)			
77	300	SDY SH		1020.000	5.500
78	500	SS		1026.000	6.000
79	300	SDY SH		1029.000	3.000
80	100	SH (UNDIF)		1037.000	8.000
81	300	SDY SH		1058.000	21.000
82	100	SH (UNDIF)		1062.000	4.000
83	300	SDY SH		1085.000	23.000
84	100	SH (UNDIF)		1130.000	45.000
85	300	SDY SH		1142.000	12.000
86	100	SH (UNDIF)		1151.000	9.000
87	303	SH W/SS STRS		1180.000	29.000
				1202.000	22.000

WAGE: 4 OWNER NAME: ISLAND CREEK CORPORATION
ALL DEPTH/THICKNESS DATA IN FEET

SERIAL NUM:IC1092686-003-3.00

LOG# 1 J (VNSHT) J (VA) C 2 1: 26000.1 10= 146

LINE	CODE	ENGLISH	COMMENTS	CUMULATIVE	UNIT
88	350	XTLIZED SS		1251.000	49.000
89	100	SH (UNDIF)		1255.000	4.000
90	350	XTLIZED SS		1279.000	24.000
91	021	COMMON BANDED COAL		1280.000	1.000
		* BED:PC5 10 PC5 10			
92	100	SH (UNDIF)		1307.200	27.200
93	021	COMMON BANDED COAL		1308.300	1.100
		* BED:PC5 20 PC5 20			
94	100	SH (UNDIF)		1315.000	6.700
95	500	SS		1335.000	20.000
96	300	SDY SH		1340.000	5.000
97	503	SS W/SH STKS		1349.000	9.000
98	500	SS		1353.000	4.000
99	100	SH (UNDIF)		1361.000	8.000
100	300	SDY SH		1363.000	2.000
101	100	SH (UNDIF)		1367.000	4.000
102	021	COMMON BANDED COAL		1367.000	.800
		* BED:PC4 10			
103	124	DRK GRY SH		1368.100	.300
104	022	COAL W/BONE LAYERS		1368.750	.650
105	124	DRK GRY SH		1368.950	.200
106	021	COMMON BANDED COAL		1369.700	.750
		* BED:PC4 10			
107	323	DRK GRY SH W/SS STKS		1382.000	12.300
108	543	GRY SS W/SH STKS		1395.000	13.000
109	322	DRK GRY SH+INTERBED SS		1410.000	15.000
110	543	GRY SS W/SH STKS		1419.700	9.700
111	324	DRK GRY MASS SDY SH		1424.300	4.600
112	124	DRK GRY SH		1426.850	2.550
113	021	COMMON BANDED COAL		1428.300	1.450
		* BED:PC3 10 PC3 10			
114	124	DRK GRY SH		1428.500	.200
115	023	COAL W/BONE STKS		1431.050	2.550
		* BED:PC3 20 PC3 20			
116	124	DRK GRY SH		1431.350	.300
117	023	COAL W/BONE STKS		1432.750	1.400
		* BED:PC3 30			
118	124	DRK GRY SH		1433.000	.250
119	021	COMMON BANDED COAL		1433.150	.150
		* BED:PC3 30			
120	324	DRK GRY MASS SDY SH		1435.500	2.350
121	030	IMPURE COAL		1435.800	.300
122	322	DRK GRY SH+INTERBED SS		1445.000	9.200
123	543	GRY SS W/SH STKS		1450.000	5.000
124	100	SH (UNDIF)		1452.000	2.000
125	322	DRK GRY SH+INTERBED SS		1460.000	8.000
126	100	SH (UNDIF)		1472.000	12.000
127	021	COMMON BANDED COAL		1473.500	1.500
		* BED:PC2 10 PC2 10			
128	100	SH (UNDIF)		1490.000	16.500

PAGE: 5 OWNER NAME: ISLAND CREEK CORPORATION
ALL DEPTH/THICKNESS DATA IN FEET

SERIAL NUM:IC1092686-003-5.00

LOG#C 1 DMSWT 1 IVAJ 2 1: 24000.1 ID# 144

LINE	CODE	ENGLISH	COMMENTS	CUMULATIVE	UNIT
129	322	DRK GRY SH+INTERBED SX		1513.000	25.000

PAGE: 1 OWNER NAME: ISLAND CREEK CORPORATION
ALL DEPTH/THICKNESS DATA IN FEET

SERIAL NUM:101092686-003-5.00

LOG=L 1 (VMSMT 1 (VMS E 2 1: 24000.) ID= 169

IDENTIFICATION SECTION

1. HOLE NAME: VMSMT
2. STATE LOCATION OF HOLE: VA
3. SCALE OF HOLE: 2
4. LOG ID #: 169
- 5.1 UNPUBLISHED RECORD, COMPANY OR AGENCY NAME: ISLAND CREEK CORP
6. DIVISION OR TRACT:
7. DRILL HOLE NUMBER: CB-X10
8. CONTRIBUTING COMPANY OR AGENCY: ISLAND CREEK CORP
9. CONTRIBUTING COMPANY CODE: CB-X10

COORDINATES OF HOLE OR SECTION

- 12.1 STATE CODE: VAS
- 12.2 STATE PLANE N/S: 3604113.90
- 12.3 STATE PLANE E/W: 10445089.24
- 13.1 COMPANY GRID N/S: 16477.26
- 13.2 COMPANY GRID E/W: 26227.79

CIVIL DISTRICT WHERE LOCATED

17. STATE WHERE HOLE LOCATED: VA
18. COUNTY: RICHMOND
19. TOWNSHIP, MAGISTERIAL DISTRICT, OR INCORPORATED PLACE:
20. GROUND LOCATION DESCRIPTION: INDIAN GRAVE GAP

BOREHOLE OR SECTION DESCRIPTION

21. ELEVATION AT TOP OF HOLE OR SECTION: F 1677.84 DRILL ANGLE 0.
22. METHOD OF ELEVATION DETERMINATION: S
23. NAME OF PERSON LOGGING: QLS
24. YEAR DRILLED OR MEASURED: 1990
25. TOTAL DEPTH OF DRILL HOLE: F 1579.000
26. BED CODE REGION IDENTIFIER: MAPP
27. CODE OF UPPERMOST IDENTIFIABLE BED: USB
28. CODE OF LOWERMOST IDENTIFIABLE BED: PCS
- 29.1 KIND OF RECORD: S
- 29.2 METHOD OF LITHO DESCRIPTION: 1(CODE)
- 30.1 UNITS OF MEASUREMENT: 2(F T)
- 30.2 METHOD(S) OF MEASUREMENT: 1(THK)

PERSON(S) LAST MODIFYING THIS LOG

31. PERSON SUBMITTING LOG FOR ENTRY: RMS
32. DATE OF LOG SUBMISSION (MM/DD/YYYY): 5/28/91
- LAST MODIFIED BY: DOL
- DATE: 3/6/1992

USER DATA:

LOG#(1) EVENT 1 EVAL (2 1: 24000.) 10= 169

LINE	CODE	ENGLISH	COMMENTS	CUMULATIVE	UNIT
1	001	CASING ON SURFACE			
2	300	SDY SH		400.000	400.000
3	034	ROME		421.000	21.000
4	300	SDY SH		421.500	.500
5	034	ROME		442.000	20.500
		* BED:USB TO USH 10		442.500	.500
6	300	SDY SH		463.000	20.500
7	500	SS		477.000	14.000
8	560	HARD SS		488.000	11.000
9	500	SS		520.000	32.000
10	300	SDY SH		536.000	16.000
11	100	SH (UNDIF)		587.000	51.000
12	300	SDY SH		601.000	14.000
13	500	SS		608.000	7.000
14	300	SDY SH		611.000	3.000
15	500	SS		614.500	3.500
16	021	COMMON BANNED COAL		617.000	2.500
		* BED:GYC TO GYC 10			
17	500	SS		645.500	28.500
18	100	SH (UNDIF)		649.000	3.500
19	500	SS		654.000	5.000
20	300	SDY SH		679.000	25.000
21	100	SH (UNDIF)		686.000	7.000
22	300	SDY SH		722.100	36.100
23	034	ROME		722.200	.100
		* BED:RSS 20			
24	100	SH (UNDIF)		722.400	.200
25	021	COMMON BANNED COAL		723.450	1.050
26	100	SH (UNDIF)		723.600	.150
27	021	COMMON BANNED COAL		723.950	.350
		* BED:RSS 20			
28	300	SDY SH		734.000	10.050
29	500	SS		739.000	4.000
30	300	SDY SH		742.000	4.000
31	034	ROME		742.500	.500
		* BED:LSB 10			
32	300	SDY SH		745.500	3.000
33	021	COMMON BANNED COAL		746.000	.500
		* BED:LSB 10			
34	300	SDY SH		751.500	5.500
35	503	SS W/SH STR		790.500	39.000
36	300	SDY SH		839.000	48.500
37	100	SH (UNDIF)		844.000	5.000
38	021	COMMON BANNED COAL		846.500	2.500
		* BED:UNP 10 UNP 10			
39	100	SH (UNDIF)		851.500	5.000
40	560	HARD SS		865.300	13.800
41	034	ROME		865.500	.200
		* BED:UNP 20			
42	100	SH (UNDIF)		866.550	1.050

LOG# 7 EVENT 3 IVA) [2 1: 24000.1 ID# 169

LINE	CODE	ENGLISH	COMMENTS	CUMULATIVE	UNIT
43	034	BONE		866.750	.200
44	100	SH (UNDIF)		867.800	1.050
45	021	COMMON BANDED COAL		868.100	.300
46	034	BONE		869.300	1.200
47	021	COMMON BANDED COAL		869.700	.400
48	100	SH (UNDIF)		871.500	1.800
49	021	COMMON BANDED COAL		872.500	1.000
		* BED:UMP 20			
50	300	SDY SH		903.100	30.600
51	034	BONE		903.300	.200
		* BED:MHP 10			
52	021	COMMON BANDED COAL		903.850	.550
53	100	SH (UNDIF)		904.100	.250
54	021	COMMON BANDED COAL		904.900	.800
55	034	BONE		905.000	.100
		* BED:MHP 10			
56	300	SDY SH		924.500	19.500
57	500	SS		935.000	10.500
58	560	HARD SS		947.000	12.000
59	300	SDY SH		982.000	35.000
60	560	HARD SS		989.500	7.500
61	021	COMMON BANDED COAL		990.500	1.000
		* BED:MRC 10			
62	034	BONE		992.000	1.500
		* BED:URG 10			
63	300	SDY SH		1035.000	43.000
64	500	SS		1051.000	16.000
65	560	HARD SS		1072.000	21.000
66	034	BONE		1072.500	.500
67	100	SH (UNDIF)		1073.500	1.000
68	034	BONE		1075.000	1.500
		* BED:LHP 10 LNP 10			
69	100	SH (UNDIF)		1084.500	9.500
70	021	COMMON BANDED COAL		1084.900	.400
		* BED:LHP 20			
71	034	BONE		1085.400	.500
72	021	COMMON BANDED COAL		1086.500	1.100
		* BED:LNP 20			
73	300	SDY SH		1131.000	44.500
74	560	HARD SS		1143.000	12.000
75	300	SDY SH		1151.500	8.500
76	021	COMMON BANDED COAL		1151.900	.400
		* BED:PC9 10			
77	034	BONE		1152.050	.150
78	021	COMMON BANDED COAL		1153.100	1.050
79	034	BONE		1153.400	.300
80	021	COMMON BANDED COAL		1154.000	.600
81	100	SH (UNDIF)		1156.200	2.200
82	034	BONE		1156.600	.400
83	100	SH (UNDIF)		1156.900	.300

LOG=C 3 EVENT 3 VAL 1 1: 24000.1 10= 169

LINE	CODE	ENGLISH	COMMENTS	CUMULATIVE	UNIT
84	021	COMMON BANDED COAL		1157.500	.600
		* BED:PC9 10			
85	100	SH (UNDIF)		1173.000	15.500
86	300	SDY SH		1193.000	20.000
87	500	SS		1198.000	5.000
88	300	SDY SH		1264.000	66.000
89	503	SS W/SH STKS		1291.000	27.000
90	560	HARD SS		1306.000	15.000
91	550	XTLIZED SS		1330.000	24.000
92	300	SDY SH		1338.000	8.000
93	560	HARD SS		1360.000	22.000
94	300	SDY SH		1388.000	28.000
95	100	SH (UNDIF)		1394.500	6.500
96	021	COMMON BANDED COAL		1395.000	.500
		* BED:PC6 TO PC5 10			
97	300	SDY SH		1400.000	5.000
98	550	XTLIZED SS		1425.000	25.000
99	100	SH (UNDIF)		1434.600	9.600
100	034	BONE		1434.850	.250
		* BED:PC5 10			
101	100	SH (UNDIF)		1435.200	.350
102	021	COMMON BANDED COAL		1435.600	.400
103	034	BONE		1435.900	.300
104	021	COMMON BANDED COAL		1436.400	.500
105	100	SH (UNDIF)		1436.800	.400
106	021	COMMON BANDED COAL		1438.400	1.600
107	034	BONE		1438.550	.150
108	021	COMMON BANDED COAL		1438.850	.300
		* BED:PC5 10			
109	300	SDY SH		1445.000	6.150
110	100	SH (UNDIF)		1448.000	3.000
111	021	COMMON BANDED COAL		1449.500	1.500
		* BED:PC5 20 PCS 20			
112	300	SDY SH		1461.000	11.500
113	560	HARD SS		1475.000	14.000
114	300	SDY SH		1477.000	2.000
115	560	HARD SS		1484.000	7.000
116	300	SDY SH		1486.000	2.000
117	500	SS		1491.000	5.000
118	300	SDY SH		1497.500	6.500
119	021	COMMON BANDED COAL		1498.100	.600
		* BED:PC4 10			
120	034	BONE		1498.300	.200
121	021	COMMON BANDED COAL		1499.200	.900
122	100	SH (UNDIF)		1499.500	.300
123	021	COMMON BANDED COAL		1499.950	.450
124	034	BONE		1500.100	.150
125	021	COMMON BANDED COAL		1500.750	.650
126	100	SH (UNDIF)		1501.000	.250
127	021	COMMON BANDED COAL		1501.900	.900

LOG-C J CYMBT 1 DIA [2 14 24000.] ID= 169

LINE	CODE	ENGLISH	COMMENTS	CUMULATIVE	UNIT
128	034	BONE		1502.200	.300
129	021	COMMON Banded COAL		1503.400	1.200
130	100	SH (UNDIF)		1504.000	.800
131	034	BONE		1505.000	1.000
		* BED:PCS 10			
132	300	SS		1513.000	8.000
133	300	SDY SH		1546.100	33.100
134	021	COMMON Banded COAL		1547.700	1.600
		* BED:PCS 10 PCS 10			
135	100	SH (UNDIF)		1547.950	.250
136	021	COMMON Banded COAL		1550.500	2.550
		* BED:PCS 20 PCS 20			
137	100	SH (UNDIF)		1551.000	.500
138	021	COMMON Banded COAL		1552.400	1.400
		* BED:PCS 30 PCS 30			
139	100	SH (UNDIF)		1555.100	2.700
140	034	BONE		1555.600	.500
141	100	SH (UNDIF)		1555.700	.100
142	021	COMMON Banded COAL		1556.200	.500
		* BED:PCS 40 PCS 40			
143	300	SDY SH		1575.000	18.800

PAGE: 1 OWNER NAME: ISLAND CREEK CORPORATION
ALL DEPTH/THICKNESS DATA IN FEET

SERIAL NUM: ICT092686-003-3.00

LOG#(1 (VMSHT 3 (VA) 1 2 1: 24000.1 TD= 168

IDENTIFICATION SECTION

1. QUAD NAME: VMSHT
2. STATE LOCATION OF QUAD: VA
3. SCALE OF QUAD: 2
4. LOG ID #: 168
- 5.1 UNPUBLISHED RECORD, COMPANY OR AGENCY NAME: ISLAND CREEK CORP
6. DIVISION OR TRACT:
7. DRILL HOLE NUMBER: CB-Y9
8. CONTRIBUTING COMPANY OR AGENCY: ISLAND CREEK CORP
9. CONTRIBUTING COMPANY DON#: CB-Y9

COORDINATES OF HOLE OR SECTION

- 12.1 STATE CODE: VA
- 12.2 STATE PLANE N/S: 3602624.87
- 12.3 STATE PLANE E/W: 10442660.02
- 15.1 COMPANY GRID N/S: 14920.87
- 15.2 COMPANY GRID E/W: 23990.70

CIVIL DISTRICT WHERE LOCATED

17. STATE WHERE HOLE LOCATED: VA
18. COUNTY: BUCHANAN
19. TOWNSHIP, MAGISTERIAL DISTRICT, OR INCORPORATED PLACE: GARDEN
20. GROUND LOCATION DESCRIPTION:

BOREHOLE OR SECTION DESCRIPTION

21. ELEVATION AT TOP OF HOLE OR SECTION: F 1605.88 DRILL ANGLE 0.
22. METHOD OF ELEVATION DETERMINATION:
23. NAME OF PERSON LOGGING: GLS
24. YEAR DRILLED OR MEASURED: 1990
25. TOTAL DEPTH OF DRILL HOLE: F 1475.000
26. BED CODE REGION IDENTIFIER: NAPP
27. CODE OF UPPERMOST IDENTIFIABLE BED: GYC
28. CODE OF LOWERMOST IDENTIFIABLE BED: PCS
- 29.1 KIND OF RECORD: E
- 29.2 METHOD OF LITHO DESCRIPTION: 1 (CODE)
- 30.1 UNITS OF MEASUREMENT: 2 (FT)
- 30.2 METHOD(S) OF MEASUREMENT: 1 (TIN)

PERSON(S) LAST MODIFYING THIS LOG

31. PERSON SUBMITTING LOG FOR ENTRY: RMH
32. DATE OF LOG SUBMISSION (MM/DD/YYYY): 5/24/91
- LAST MODIFIED BY: DGL
- DATE: 9/4/1992
- USER DATA:

LOG# 1 DWENT 1 DIA 12 1: 26000.1 ID# 168

LINE	CODE	ENGLISH	COMMENTS	CUMULATIVE	UNIT
1	001	CASING OR SURFACE			
2	500	SS		366.000	366.000
3	300	SDY SH		390.000	24.000
4	500	SS		394.000	4.000
5	300	SDY SH		406.000	12.000
6	100	SH (UNDIF)		418.000	12.000
7	300	SDY SH		431.000	13.000
8	100	SH (UNDIF)		449.000	18.000
9	300	SDY SH		460.000	11.000
10	500	SS		470.000	10.000
11	300	SDY SH		485.000	15.000
12	100	SH (UNDIF)		488.000	3.000
13	021	COMMON BANDED COAL		490.300	2.300
		* BED:BYC 10		491.400	1.100
14	034	BONE		491.600	.200
		* BED:BYC 10			
15	100	SH (UNDIF)		493.000	1.400
16	300	SDY SH		495.000	2.000
17	503	SS W/SH STRK		530.000	35.000
18	100	SH (UNDIF)		548.000	18.000
19	300	SDY SH		556.000	8.000
20	100	SH (UNDIF)		564.000	8.000
21	300	SDY SH		568.000	4.000
22	100	SH (UNDIF)		590.000	22.000
23	300	SDY SH		592.000	2.000
24	021	COMMON BANDED COAL		593.500	1.500
		* BED:MSB 20 MSB 20			
25	300	SDY SH		616.700	23.200
26	021	COMMON BANDED COAL		617.300	.600
		* BED:LSE 10			
27	100	SH (UNDIF)		618.000	.700
28	021	COMMON BANDED COAL		618.500	.500
		* BED:LSE 10			
29	100	SH (UNDIF)		623.500	5.000
30	500	SS		662.500	39.000
31	300	SDY SH		685.500	23.000
32	100	SH (UNDIF)		688.500	3.000
33	300	SDY SH		709.200	20.700
34	034	BONE		709.450	.250
		* BED:LMP 10			
35	100	SH (UNDIF)		709.550	.100
36	021	COMMON BANDED COAL		710.800	1.250
37	034	BONE		711.000	.200
38	021	COMMON BANDED COAL		711.400	.400
39	034	BONE		711.700	.300
		* BED:LMP 10			
40	100	SH (UNDIF)		720.000	8.300
41	300	SDY SH		723.000	3.000
42	100	SH (UNDIF)		733.000	10.000
43	300	SDY SH		742.500	9.500

LOG# 1 EVENT 1 TVAL 1 2 1: 26000.1 (D= 160

LINE	CODE	ENGLISH	COMMENTS	CUMULATIVE	UNIT
44	021	COMMON BANDED COAL		743.000	.500
		* BED:UHP 20 UHP 20			
45	300	SDY SH		763.000	20.000
46	500	SS		776.000	13.000
47	100	SH (UNDIF)		778.400	2.400
48	034	BONE		778.700	.300
		* BED:UHP 10			
49	021	COMMON BANDED COAL		780.000	1.300
50	034	BONE		780.200	.200
		* BED:UHP 10			
51	100	SH (UNDIF)		783.000	2.800
52	300	SDY SH		784.000	1.000
53	100	SH (UNDIF)		788.000	4.000
54	300	SDY SH		790.000	2.000
55	100	SH (UNDIF)		791.000	1.000
56	503	SS W/SH STKS		825.000	34.000
57	300	SDY SH		856.500	31.500
58	500	SS		863.500	7.000
59	021	COMMON BANDED COAL		864.000	.500
		* BED:UHC 10 UHC 10			
60	300	SDY SH		872.000	8.000
61	503	SS W/SH STKS		906.500	34.500
62	021	COMMON BANDED COAL		907.000	.500
		* BED:UHC 20 UHC 20			
63	100	SH (UNDIF)		910.000	3.000
64	300	SDY SH		916.000	6.000
65	500	SS		954.000	38.000
66	100	SH (UNDIF)		955.700	1.700
67	021	COMMON BANDED COAL		956.200	.500
		* BED:LNP 10			
68	100	SH (UNDIF)		957.100	.900
69	034	BONE		957.300	.200
70	100	SH (UNDIF)		957.400	.100
71	021	COMMON BANDED COAL		957.800	.400
72	100	SH (UNDIF)		958.900	1.100
73	034	BONE		959.000	.100
74	100	SH (UNDIF)		959.200	.200
75	021	COMMON BANDED COAL		960.800	1.600
76	100	SH (UNDIF)		960.900	.100
77	021	COMMON BANDED COAL		961.100	.200
		* BED:LNP 10			
78	300	SDY SH		962.000	.900
79	503	SS W/SH STKS		969.000	7.000
80	300	SDY SH		987.000	18.000
81	500	SS		1013.000	26.000
82	300	SDY SH		1023.000	10.000
83	100	SH (UNDIF)		1027.900	4.900
84	034	BONE		1028.100	.200
		* BED:PCP 10			
85	021	COMMON BANDED COAL		1028.400	.300

FINING UP

LOG# 1 EVENT 1 CVAL 1.2 1: 24000.1 10= 168

LINE	CODE	ENGLISH	COMMENTS	CUMULATIVE	UNIT
86	100	SH (UNDIF)		1028.600	.200
87	021	COMMON BANDED COAL		1029.700	1.100
88	034	BONE		1029.850	.250
89	021	COMMON BANDED COAL		1030.550	.600
90	100	SH (UNDIF)		1032.400	1.850
91	021	COMMON BANDED COAL		1032.900	.500
* BED:PCS 10					
92	100	SH (UNDIF)		1050.000	17.100
93	300	SDY SH		1052.000	2.000
94	500	SS		1054.000	2.000
95	300	SDY SH		1075.000	21.000
96	100	SH (UNDIF)		1128.000	53.000
97	500	SS		1135.000	7.000
98	300	SDY SH		1240.000	105.000
99	100	SH (UNDIF)		1255.000	15.000
100	350	XTLIZED SS		1277.350	22.550
101	021	COMMON BANDED COAL		1277.750	.200
* BED:PCS 10					
102	100	SH (UNDIF)		1279.050	1.300
103	103	SH W/COAL STKS		1280.200	1.150
104	021	COMMON BANDED COAL		1280.750	.550
105	100	SH (UNDIF)		1280.900	.150
106	021	COMMON BANDED COAL		1282.300	1.400
107	100	SH (UNDIF)		1282.500	.200
108	034	BONE		1282.650	.150
* BED:PCS 10					
109	100	SH (UNDIF)		1289.000	6.350
110	300	SDY SH		1296.000	7.000
111	100	SH (UNDIF)		1304.000	8.000
112	021	COMMON BANDED COAL		1305.000	1.000
* BED:PCS 20 PCS 20					
113	300	SDY SH		1307.000	2.000
114	503	SS W/SH STKS		1344.000	37.000
115	100	SH (UNDIF)		1355.000	11.000
116	300	SDY SH		1359.000	4.000
117	503	SS W/SH STKS		1371.000	12.000
118	100	SH (UNDIF)		1373.000	2.000
119	034	BONE		1373.500	.500
* BED:PCS 10 PCS 10					
120	100	SH (UNDIF)		1374.000	.500
121	300	SDY SH		1418.000	44.000
122	100	SH (UNDIF)		1421.050	3.050
123	021	COMMON BANDED COAL		1422.600	.650
* BED:PCS 10 PCS 10					
124	034	BONE		1423.000	.400
125	022	COAL W/BONE LAYERS		1423.800	.800
* BED:PCS 20					
126	021	COMMON BANDED COAL		1425.850	2.050
* BED:PCS 20					
127	100	SH (UNDIF)		1426.800	.950

PAGE: 5 OWNER NAME: ISLAND CREEK CORPORATION
ALL DEPTH/THICKNESS DATA IN FEET

SERIAL NUM=IC1092686-003-3.00

LOG=[] (VMSMT) (VAL [2 1: 24000.] ID= 168

LINE	CODE	ENGLISH	COMMENTS	CUMULATIVE	UNIT
128	021	COMMON Banded COAL			
		* BED:PCS 30 PCS 30		1427.500	1.100
129	100	SH (UNDIF)			
130	021	COMMON Banded COAL		1432.000	4.100
		* BED:PCS 40 PCS 60		1432.500	,500
131	300	BDY SH		1475.000	42.500

PAGE: 1 OWNER NAME: ISLAND CREEK CORPORATION
ALL DEPTH/THICKNESS DATA IN FEET

SERIAL NUM:IC1092686-003-3.00

LOG#C 1 (VNSNT) 1 (VA) (2 1: 24000.1 10: 263

IDENTIFICATION SECTION

1. QUAD NAME: VNSNT
2. STATE LOCATION OF QUAD: VA
3. SCALE OF QUAD: 2
4. LOG ID #: 263
- 5.1 UNPUBLISHED RECORD. COMPANY OR AGENCY NAME: ISLAND CREEK CORP
6. DIVISION OR TRACT:
7. DRILL HOLE NUMBER: VFS.501
8. CONTRIBUTING COMPANY OR AGENCY: ISLAND CREEK CORP
9. CONTRIBUTING COMPANY DOW#: VFS.501

COORDINATES OF HOLE OR SECTION

- 12.1 STATE CODE: VA8
- 12.2 STATE PLANE N/S: 3613723.91
- 12.3 STATE PLANE E/W: 10434887.08
- 15.1 COMPANY GRID N/S: 23858.90
- 15.2 COMPANY GRID E/W: 17809.71

CIVIL DISTRICT WHERE LOCATED

17. STATE WHERE HOLE LOCATED: VA
18. COUNTY: BUCHANAN
19. TOWNSHIP, MAGISTERIAL DISTRICT, OR INCORPORATED PLACE:
20. GROUND LOCATION DESCRIPTION:

BOREHOLE OR SECTION DESCRIPTION

21. ELEVATION AT TOP OF HOLE OR SECTION: F 1482.00 DRILL ANGLE: 0
22. METHOD OF ELEVATION DETERMINATION:
23. NAME OF PERSON LOGGING: SCHLUMBERGER
24. YEAR DRILLED OR MEASURED: 0
25. TOTAL DEPTH OF DRILL HOLE: F 1554.000
26. BED CODE REGION IDENTIFIER: NAPP
27. CODE OF UPPERMOST IDENTIFIABLE BED: USN
28. CODE OF LOWERMOST IDENTIFIABLE BED: PCS
- 29.1 KIND OF RECORD: 8
- 29.2 METHOD OF LITHO DESCRIPTION: 1(CODE3)
- 30.1 UNITS OF MEASUREMENT: 2(FT 1
- 30.2 METHOD(S) OF MEASUREMENT: 1(THK 1

PERSON(S) LAST MODIFYING THIS LOG

31. PERSON SUBMITTING LOG FOR ENTRY: PBT
32. DATE OF LOG SUBMISSION (MM/DD/YYYY): 5/22/91
- LAST MODIFIED BY: DGL
- DATE: 9/4/1992
- USER DATA: 18.00' NET COAL >= 1.5'

LOG=C 1 (WASNT 1 (VA) I 2 f; 26000.) ID= 263

LINE	CODE	DESCRIPTION	COMMENTS	CUMULATIVE	UNIT
1	001	CASING OR SURFACE			
2	324	DRK GRY MASS SDY SH		386.000	386.000
3	021	COMMON BANDED COAL		432.000	46.000
		* BED:USG 10 USG 10		434.000	2.000
4	324	DRK GRY MASS SDY SH		440.000	6.000
5	030	IMPURE COAL		442.000	2.000
6	104	SH		461.000	19.000
7	324	DRK GRY MASS SDY SH		465.000	4.000
8	104	SH		473.000	8.000
9	500	SS		583.000	110.000
10	550	XTLIZED SS		609.000	26.000
11	104	SH		612.000	3.000
12	500	SS		623.000	11.000
13	550	XTLIZED SS		629.000	6.000
14	500	SS		647.000	18.000
15	104	SH		677.000	30.000
16	324	DRK GRY MASS SDY SH		706.000	29.000
17	021	COMMON BANDED COAL		708.000	2.000
		* BED:MSB 20 MSB 20			
18	104	SH		710.000	2.000
19	324	DRK GRY MASS SDY SH		712.000	2.000
20	104	SH		717.000	5.000
21	324	DRK GRY MASS SDY SH		727.000	10.000
22	104	SH		739.000	12.000
23	324	DRK GRY MASS SDY SH		752.000	13.000
24	500	SS		779.000	27.000
25	324	DRK GRY MASS SDY SH		805.000	26.000
26	104	SH		809.000	4.000
27	324	DRK GRY MASS SDY SH		813.000	4.000
28	104	SH		822.000	9.000
29	021	COMMON BANDED COAL		824.000	2.000
		* BED:UNP 10 UNP 10			
30	104	SH		829.000	4.000
31	324	DRK GRY MASS SDY SH		837.000	9.000
32	500	SS		857.000	20.000
33	021	COMMON BANDED COAL		860.000	3.000
		* BED:LNP 20 LNP 20			
34	324	DRK GRY MASS SDY SH		878.000	18.000
35	500	SS		883.000	5.000
36	021	COMMON BANDED COAL		886.000	3.000
		* BED:NMP 10 NMP 10			
37	324	DRK GRY MASS SDY SH		936.000	50.000
38	104	SH		945.000	9.000
39	324	DRK GRY MASS SDY SH		972.000	27.000
40	500	SS		1011.000	39.000
41	324	DRK GRY MASS SDY SH		1015.000	4.000
42	500	SS		1046.000	31.000
43	021	COMMON BANDED COAL		1049.000	3.000
		* BED:LNP 10 LNP 10			
44	104	SH		1065.000	16.000

PAGE: 3 OWNER NAME: ISLAND CREEK CORPORATION
ALL DEPTH/THICKNESS DATA IN FEET

SERIAL NUMBER: 101092688-003-3.00

LOG# 1 1VMBT 2 1VA1 1 2 1: 24000.1 10= 263

LINE	CODE	ENGLISH	COMMENTS	CUMULATIVE	UNIT
43	021	COMMON BANDED COAL		1068.000	3.000
		* BED:LHP 20 LHP 20			
46	500	SS		1083.000	15.000
47	324	DRK GRY MASS SDY SH		1107.000	24.000
48	104	SH		1131.000	24.000
49	021	COMMON BANDED COAL		1135.000	4.000
		* BED:PC9 10 PC9 10			
50	104	SH		1148.000	13.000
51	324	DRK GRY MASS SDY SH		1161.000	13.000
52	021	COMMON BANDED COAL		1163.000	2.000
		* BED:PC9 20 PC9 20			
53	104	SH		1188.000	25.000
54	324	DRK GRY MASS SDY SH		1209.000	21.000
55	104	SH		1212.000	3.000
56	324	DRK GRY MASS SDY SH		1222.000	10.000
57	500	SS		1240.000	18.000
58	324	DRK GRY MASS SDY SH		1246.000	6.000
59	104	SH		1260.000	14.000
60	500	SS		1267.000	7.000
61	550	KTIALIZED SS		1381.000	114.000
62	324	DRK GRY MASS SDY SH		1393.000	12.000
63	550	KTIALIZED SS		1422.000	29.000
64	021	COMMON BANDED COAL		1424.000	2.000
		* BED:PC5 10 PC5 10			
65	104	SH		1430.000	6.000
66	324	DRK GRY MASS SDY SH		1442.000	12.000
67	500	SS		1450.000	8.000
68	324	DRK GRY MASS SDY SH		1452.000	2.000
69	021	COMMON BANDED COAL		1454.000	2.000
		* BED:PC5 20 PC5 20			
70	500	SS		1468.000	14.000
71	324	DRK GRY MASS SDY SH		1472.000	4.000
72	021	COMMON BANDED COAL		1475.000	3.000
		* BED:PC4 10 PC4 10			
73	324	DRK GRY MASS SDY SH		1517.000	42.000
74	021	COMMON BANDED COAL		1523.000	6.000
		* BED:PC3 10 PC3 30			
75	324	DRK GRY MASS SDY SH		1546.000	23.000
76	500	SS		1553.000	7.000
77	104	SH		1558.000	5.000
78	324	DRK GRY MASS SDY SH		1588.000	30.000
79	001	CASING ON SURFACE		1606.000	18.000

PAGE: 1 OWNER NAME: ISLAND CREEK CORPORATION
ALL DEPTH/THICKNESS DATA IN FEET

SERIAL NUMBER: 92088-003-3.00

LOG# 1 (VMSNT) 1 (VA) (2) 36000.3 (0) 178

IDENTIFICATION SECTION

1. QUAD NAME: VMSNT
2. STATE LOCATION OF QUAD: VA
3. SCALE OF QUAD: 2
4. LOG ID #: 178
- 5.1 UNPUBLISHED RECORD, COMPANY OR AGENCY NAME: ISLAND CREEK CORP
6. DIVISION OR TRACT:
7. DRILL HOLE NUMBER: CB-Y70
8. CONTRIBUTING COMPANY OR AGENCY: ISLAND CREEK CORP
9. CONTRIBUTING COMPANY DOWH: CB-Y10

COORDINATES OF HOLE OR SECTION

- 12.1 STATE CODE: VA5
- 12.2 STATE PLANE N/S: 3602393.63
- 12.3 STATE PLANE E/W: 10443966.09
- 13.1 COMPANY GRID N/S: 14728.15
- 13.2 COMPANY GRID E/W: 25202.89

CIVIL DISTRICT WHERE LOCATED

17. STATE WHERE HOLE LOCATED: VA
18. COUNTY: BUCHANAN
19. TOWNSHIP, MAGISTERIAL DISTRICT, OR INCORPORATED PLACE: GARDEN
20. GROUND LOCATION DESCRIPTION: LESTERS FORK

BOREHOLE OR SECTION DESCRIPTION

21. ELEVATION AT TOP OF HOLE OR SECTION: F 1766.51 DRILL ANGLE 0.
22. METHOD OF ELEVATION DETERMINATION: S
23. NAME OF PERSON LOGGING: GLE
24. YEAR DRILLED OR MEASURED: 1991
25. TOTAL DEPTH OF DRILL HOLE: F 1710.000
26. BED CODE REGION IDENTIFIER: NAPP
27. CODE OF UPPERMOST IDENTIFIABLE BED: T1L
28. CODE OF LOWERMOST IDENTIFIABLE BED: PC2
- 29.1 KIND OF RECORD: E
- 29.2 METHOD OF LITHO DESCRIPTION: 1(CODE)
- 30.1 UNITS OF MEASUREMENT: 2(FEET)
- 30.2 METHOD(S) OF MEASUREMENT: 1(THICK)

PERSON(S) LAST MODIFYING THIS LOG

31. PERSON SUBMITTING LOG FOR ENTRY: RMS
32. DATE OF LOG SUBMISSION (MM/DD/YYYY): 6/3/91
- LAST MODIFIED BY: GLE
- DATE: 9/4/1992

USER DATA:

PAGE: 2 OWNER NAME: ISLAND CREEK CORPORATION
ALL DEPTH/THICKNESS DATA IN FEET

SERIAL NUM=1C1092686-003-3.00

LOG= [1 IVMSNT 3 IVAT [2 1= 24000.3 10= 178

LINE	CODE	ENGLISH	COMMENTS	CUMULATIVE	UNIT
1	001	CASING OR SURFACE			
2	300	SDY SH		346.000	346.000
3	505	SS W/SH STKS		373.000	27.000
4	021	COMMON BANDED COAL		396.000	23.000
		* BED:TIL 10 TIL 10		397.500	1.500
5	300	SDY SH			
6	021	COMMON BANDED COAL		423.500	26.000
		* BED:TIL 20 TIL 20		424.500	1.000
7	300	SDY SH			
8	500	SS		428.500	4.000
9	300	SDY SH		431.000	2.500
10	021	COMMON BANDED COAL		436.000	5.000
		* BED:TIL 30 TIL 30		437.000	1.000
11	300	SDY SH		440.500	3.500
12	560	HARD SS		454.000	13.500
13	500	SS		459.000	5.000
14	300	SDY SH		527.000	68.000
15	021	COMMON BANDED COAL		527.500	.500
		* BED:USB 10 USB 10			
16	100	SH (UNDEF)		533.000	5.500
17	300	SDY SH		536.000	3.000
18	505	SS W/SH STKS		557.000	21.000
19	560	HARD SS		583.000	26.000
20	500	SS		611.000	28.000
21	300	SDY SH		667.000	56.000
22	500	SS		681.000	14.000
23	300	SDY SH		690.000	9.000
24	021	COMMON BANDED COAL		691.500	1.500
		* BED:GYC 10 GYC 10			
25	100	SH (UNDEF)		696.000	4.500
26	300	SDY SH		704.000	8.000
27	505	SS W/SH STKS		731.000	27.000
28	300	SDY SH		765.000	34.000
29	021	COMMON BANDED COAL		786.500	1.500
		* BED:MSB 20			
30	034	BONE		787.000	.500
		* BED:MSB 20			
31	300	SDY SH		792.000	5.000
32	500	SS		797.000	5.000
33	300	SDY SH		812.000	15.000
34	021	COMMON BANDED COAL		812.500	.500
		* BED:LSB 10			
35	100	SH (UNDEF)		813.500	1.000
36	021	COMMON BANDED COAL		814.000	.500
37	100	SH (UNDEF)		817.500	3.500
38	034	BONE		818.000	.500
		* BED:LSB 10			
39	300	SDY SH		823.000	5.000
40	500	SS		882.000	59.000
41	300	SDY SH		910.000	28.000

PAGE: 3 OWNER NAME: ISLAND CREEK CORPORATION
ALL DEPTH/THICKNESS DATA IN FEET

SERIAL NUM=1C10928B6-003-3.00

LOG#1 1 DWSMT 1 (VAL 1 2 1= 24000.) ID= 170

LINE	CODE	ENGLISH	COMMENTS	CUMULATIVE	UNIT
42	021	COMMON BANDED COAL		911.500	1.500
		* BED:UNP 10			
43	034	BONE		912.500	1.000
		* BED:UNP 10			
44	100	SH (UNDIF)		914.000	1.500
45	300	SDY SH		934.000	20.000
46	560	HARD SS		939.000	5.000
47	500	SS		972.000	33.000
48	300	SDY SH		975.000	3.000
49	100	SH (UNDIF)		976.000	1.000
50	021	COMMON BANDED COAL		977.500	1.500
		* BED:UNP 10			
51	100	SH (UNDIF)		978.500	1.000
52	034	BONE		979.000	.500
		* BED:UNP 10			
53	300	SDY SH		996.000	17.000
54	505	SS W/SH STKS		1024.000	28.000
55	300	SDY SR		1055.000	31.000
56	560	HARD SS		1070.000	15.000
57	021	COMMON BANDED COAL		1071.000	1.000
		* BED:UNP 10			
58	100	SH (UNDIF)		1072.500	1.500
59	034	BONE		1073.000	.500
60	021	COMMON BANDED COAL		1074.000	1.000
		* BED:UNP 10			
61	300	SDY SH		1085.000	11.000
62	500	SS		1102.000	17.000
63	300	SDY SH		1104.500	2.500
64	021	COMMON BANDED COAL		1105.000	.500
		* BED:UNP 20 UNP 20			
65	300	SDY SH		1108.000	3.000
66	560	HARD SS		1152.700	44.700
67	034	BONE		1152.900	.200
		* BED:UNP 10			
68	021	COMMON BANDED COAL		1153.500	.600
69	100	SH (UNDIF)		1155.000	1.500
70	021	COMMON BANDED COAL		1155.350	.350
71	100	SH (UNDIF)		1155.550	.200
72	021	COMMON BANDED COAL		1155.800	.250
73	100	SH (UNDIF)		1156.350	.550
74	021	COMMON BANDED COAL		1157.150	.800
75	100	SH (UNDIF)		1157.350	.200
76	034	BONE		1157.500	.150
77	021	COMMON BANDED COAL		1158.700	.800
		* BED:UNP 10			
78	300	SDY SH		1195.000	36.700
79	560	HARD SS		1203.000	8.000
80	300	SDY SH		1209.200	6.200
81	021	COMMON BANDED COAL		1210.000	.800
		* BED:UNP 10			

LOG# 1 IVRSNT 1 (VA) 1 2 1: 24000.1 16= 178

LINE	CODE	ENGLISH	COMMENTS	CUMULATIVE	UNIT
82	100	SH (UNDIF)			
83	021	COMMON BANDED COAL		1210.200	.200
84	100	SH (UNDIF)		1210.600	.400
85	021	COMMON BANDED COAL		1211.500	.900
		* BED:PC9 10		1211.850	.350
86	100	SH (UNDIF)			
87	500	SS		1216.500	4.650
88	300	SDY SH		1227.000	10.500
89	560	HARD SS		1233.000	6.000
90	300	SDY SH		1304.000	71.000
91	034	BOME		1322.700	18.700
		* BED:PC7 10		1322.900	.200
92	021	COMMON BANDED COAL			
93	100	SH (UNDIF)		1323.450	.550
94	021	COMMON BANDED COAL		1323.700	.250
		* BED:PC7 10		1324.100	.400
95	100	SH (UNDIF)			
96	034	BOME		1327.600	3.500
97	300	SDY SH		1328.200	.600
98	503	SS W/SH BTKE		1332.000	3.800
99	560	HARD SS		1339.000	7.000
100	550	XTLIZED SS		1350.000	11.000
101	500	SS		1402.000	52.000
102	300	SDY SH		1411.000	9.000
103	530	XTLIZED SS		1491.000	80.000
104	300	SDY SH		1498.000	7.000
105	021	COMMON BANDED COAL		1510.900	12.900
		* BED:PCS 10		1511.200	.300
106	100	SH (UNDIF)			
107	021	COMMON BANDED COAL		1511.600	.400
		* BED:PCS 10		1515.250	3.650
108	300	SDY SH			
109	560	HARD SS		1526.000	10.750
110	300	SDY SH		1548.000	22.000
111	560	HARD SS		1550.000	2.000
112	021	COMMON BANDED COAL		1562.100	12.100
		* BED:PC4 10		1564.200	2.100
113	100	SH (UNDIF)			
114	021	COMMON BANDED COAL		1564.400	.200
115	100	SH (UNDIF)		1564.600	.200
116	021	COMMON BANDED COAL		1564.800	.200
		* BED:PC4 10		1565.700	.900
117	500	SS			
118	021	COMMON BANDED COAL		1574.500	8.800
		* BED:PC4 20 PC4 20		1575.300	1.000
119	300	SDY SH			
120	100	SH (UNDIF)		1587.500	12.000
121	300	SDY SH		1590.500	3.000
122	543	GRY SS W/SH BTKE		1606.500	16.000
123	324	DRK GRY MARS SDY SH	FINES UP	1625.500	19.000
				1628.400	2.900

LOG# 1 3 EVNSHT 1 DIA 1 2 1: 24000.1 19# 178

LINE	CODE	ENGLISH	COMMENTS	CUMULATIVE	UNIT
124	034	BONE			
		* BED:PC3 10		1628.650	.250
125	100	SH (UNDIF)		1629.000	.350
126	021	COMMON BANDED COAL		1630.300	1.300
		* BED:PC3 10			
127	100	SH (UNDIF)		1630.800	.500
128	021	COMMON BANDED COAL		1632.200	1.400
		* BED:PC3 20			
129	034	BONE		1632.500	.300
130	021	COMMON BANDED COAL		1632.700	.200
		* BED:PC3 20			
131	100	SH (UNDIF)		1633.100	.400
132	034	BONE		1633.300	.200
133	100	SH (UNDIF)		1633.400	.100
134	034	BONE		1633.600	.200
135	021	COMMON BANDED COAL		1634.400	.800
		* BED:PC3 30 PC3 30			
136	100	SH (UNDIF)		1637.900	3.500
137	034	BONE		1638.000	.100
		* BED:PC3 40			
138	021	COMMON BANDED COAL		1638.300	.300
		* BED:PC3 40			
139	300	SOY SH		1678.800	40.500
140	021	COMMON BANDED COAL		1680.300	1.500
		* BED:PC2 10			
141	300	SOY SH		1683.300	3.000
142	021	COMMON BANDED COAL		1683.800	.500
		* BED:PC2 10			
143	300	SOY SH		1709.800	26.000

PAGE: 1 OWNER NAME: ISLAND CREEK CORPORATION
ALL DEPTH/THICKNESS DATA IN FEET

SERIAL NUM: IC1092686-003-3.00

LOG#(1) CYMNT 3) VAL (2) : 24080.1) ID# 273

IDENTIFICATION SECTION

1. QUAD NAME: VMSHT
2. STATE LOCATION OF QUAD: VA
3. SCALE OF QUAD: 2
4. LOG ID #: 273
- 5.1 UNPUBLISHED RECORD. COMPANY OR AGENCY NAME: ISLAND CREEK CORP
6. DIVISION OR TRACT:
7. DRILL HOLE NUMBER: CB-57
8. CONTRIBUTING COMPANY OR AGENCY: ISLAND CREEK CORP
9. CONTRIBUTING COMPANY DON#: CB-57

COORDINATES OF HOLE OR SECTION

- 12.1 STATE CODE: VAS
- 12.2 STATE PLANE N/S: 3616369.19
- 12.3 STATE PLANE E/W: 10639754.36
- 15.1 COMPANY GRID N/S: 26581.19
- 15.2 COMPANY GRID E/W: 20658.25

CIVIL DISTRICT WHERE LOCATED

17. STATE WHERE HOLES LOCATED: VA
18. COUNTY: BUCHANAN
19. TOWNSHIP, PARISH/DISTRICT, OR INCORPORATED PLACE:
20. GROUND LOCATION DESCRIPTION: LICKLOG BRANCH

BOREHOLE OR SECTION DESCRIPTION

21. ELEVATION AT TOP OF HOLE OR SECTION: F 1684.26 DRILL ANGLE 0.
22. METHOD OF ELEVATION DETERMINATION: 3
23. NAME OF PERSON LOGGING: RMS
24. YEAR DRILLED OR MEASURED: 1991
25. TOTAL DEPTH OF DRILL HOLE: F 1682.000
26. BED CODE REGION IDENTIFIER: NAPP
27. CODE OF UPPERMOST IDENTIFIABLE BED: KEM
28. CODE OF LOWERMOST IDENTIFIABLE BED: PC2
- 29.1 KIND OF RECORD: F
- 29.2 METHOD OF LITHO DESCRIPTION: 1(TCODE)
- 30.1 UNITS OF MEASUREMENT: 2(FT)
- 30.2 METHOD(S) OF MEASUREMENT: 1(THK)

PERSON(S) LAST MODIFYING THIS LOG

31. PERSON SUBMITTING LOG FOR ENTRY: RMG
32. DATE OF LOG SUBMISSION (MM/DD/YYYY): 6-26-91
- LAST MODIFIED BY: DGL
- DATE: 9/6/1992

USER DATA:

LOG# 1 INVENT 3 (VA) (2 1: 24000.1 ID# 273

LINE	CODE	ENGLISH	COMMENTS	CUMULATIVE	UNIT
1	021	COMMON BANDED COAL	STRIP BENCH	.000	.000
		* BED:KEM 10 KEM 10			
2	001	CASING ON SURFACE			
3	322	DRK GRY SH+INTERBED SS		386.000	386.000
4	544	GRY MASS SS		398.000	12.000
5	124	DRK GRY SH		426.000	28.000
6	323	DRK GRY SH W/SS STKS		437.000	11.000
7	124	DRK GRY SH		447.000	10.000
8	021	COMMON BANDED COAL		451.500	4.500
		* BED:TIL 10 TIL 10		452.000	.500
9	124	DRK GRY SH		459.500	7.500
10	021	COMMON BANDED COAL		460.300	.800
		* BED:TIL 20 TIL 20			
11	323	DRK GRY SH W/SS STKS		481.000	20.700
12	544	GRY MASS SS		491.000	10.000
13	323	DRK GRY SH W/SS STKS		508.000	17.000
14	124	DRK GRY SH		554.500	46.500
15	021	COMMON BANDED COAL		557.000	.500
		* BED:USB 10 USB 10			
16	124	DRK GRY SH		563.000	6.000
17	324	DRK GRY MASS SDY SH		565.000	2.000
18	124	DRK GRY SH		568.000	3.000
19	324	DRK GRY MASS SDY SH		570.000	2.000
20	124	DRK GRY SH		575.000	5.000
21	322	DRK GRY SH+INTERBED SS		587.500	12.500
22	021	COMMON BANDED COAL		588.700	1.200
		* BED:USB 20 USB 20			
23	124	DRK GRY SH		593.000	4.300
24	543	HARD SS W/SH STKS		609.000	16.000
		* BED:MBA 10			
25	544	HARD MASS SS		706.000	97.000
		* BED:MBA 10			
26	124	DRK GRY SH		711.000	5.000
27	021	COMMON BANDED COAL		713.600	2.600
		* BED:GYC 10 GYC 10			
28	324	DRK GRY MASS SDY SH		716.000	2.400
29	543	GRY SS W/SH STKS		728.000	12.000
30	124	DRK GRY SH		751.000	23.000
31	324	DRK GRY MASS SDY SH		754.000	3.000
32	124	DRK GRY SH		761.000	7.000
33	544	GRY MASS SS		763.000	2.000
34	124	DRK GRY SH		768.500	25.500
35	021	COMMON BANDED COAL		789.300	.800
		* BED:MSB 10 MSB 10			
36	124	DRK GRY SH		794.000	4.700
37	544	GRY MASS SS		798.000	4.000
38	324	DRK GRY MASS SDY SH		808.000	10.000
39	124	DRK GRY SH		816.400	8.400
40	021	COMMON BANDED COAL		817.000	.600
		* BED:MSB 20 MSB 20			

PAGE: 3 OWNER NAME: ISLAND CREEK CORPORATION
ALL DEPTH/THICKNESS DATA IN FEET

SERIAL NUM:IC1092686-003-3.00

LOG#C 1 DYNST 1 DIAJ (2 1: 24000.1 10= 273

LINE	CODE	ENGLISH	COMMENTS	CUMULATIVE	UNIT
41	124	DRK GRY SH		827.000	10.000
42	543	GRY SS W/SH STKS		862.000	39.000
43	322	DRK GRY SH+INTERBED SS		880.000	18.000
44	124	DRK GRY SH		904.550	24.950
45	021	COMMON BANDED COAL		905.250	.700
		* BED:UNP 10			
46	124	DRK GRY SH		905.500	.250
47	021	COMMON BANDED COAL		905.750	.250
		* BED:UNP 10			
48	124	DRK GRY SH		908.000	2.250
49	543	GRY SS W/SH STKS		933.000	25.000
50	124	DRK GRY SH		934.000	1.000
51	021	COMMON BANDED COAL		935.650	1.650
		* BED:UNP 20 UNP 20			
52	124	DRK GRY SH		957.000	21.350
53	544	GRY MASS SS		965.000	8.000
54	124	DRK GRY SH		969.350	4.350
55	021	COMMON BANDED COAL		970.950	1.600
		* BED:UNP 10 UNP 10			
56	323	DRK GRY SH W/SS STKS		990.000	19.050
57	322	DRK GRY SH+INTERBED SS		998.000	8.000
58	543	GRY SS W/SH STKS		1012.000	14.000
59	124	DRK GRY SH		1065.000	53.000
		* BED:BLE 10 BLE 10			
60	544	GRY MASS SS		1069.700	4.700
61	021	COMMON BANDED COAL		1070.000	.300
		* BED:WRC 10			
62	124	DRK GRY SH		1071.000	1.000
63	021	COMMON BANDED COAL		1071.300	.300
		* BED:WRC 10			
64	124	DRK GRY SH		1074.000	2.700
65	324	DRK GRY MASS SOY SH		1076.000	2.000
66	124	DRK GRY SH		1080.000	4.000
67	543	GRY SS W/SH STKS		1090.700	10.700
68	021	COMMON BANDED COAL		1091.200	.500
		* BED:WRC 20 WRC 20			
69	124	DRK GRY SH		1094.000	2.800
70	544	GRY MASS SS		1123.200	29.200
71	021	COMMON BANDED COAL		1124.000	.800
		* BED:LHP 10 LHP 10			
72	124	DRK GRY SH		1130.000	6.000
73	324	DRK GRY MASS SOY SH		1132.000	2.000
74	124	DRK GRY SH		1140.250	8.250
75	021	COMMON BANDED COAL		1140.800	.550
		* BED:LHP 20			
76	124	DRK GRY SH		1141.700	.300
77	021	COMMON BANDED COAL		1141.800	.700
78	034	NONE		1142.000	.200
		* BED:LHP 20			
79	543	GRY SS W/SH STKS		1152.000	10.000

LOG=1 3 (V)SNT 3 (VA) 2 1: 24000.3 10= 273

LINE	CODE	ENGLISH	COMMENTS	CUMULATIVE	UNIT
80	322	DRK GRY SH+INTERBED SS		1200.800	48.800
81	021	COMMON BANDED COAL		1201.250	.450
		* BED:PC9 10			
82	124	DRK GRY SH		1202.800	1.550
83	021	COMMON BANDED COAL		1203.300	.500
		* BED:PC9 10			
84	124	DRK GRY SH		1209.000	5.700
85	324	DRK GRY MASS SDY SH		1226.000	17.000
86	124	DRK GRY SH		1236.800	10.800
87	021	COMMON BANDED COAL		1237.500	.700
		* BED:PC9 20 PC9 20			
88	124	DRK GRY SH		1242.000	4.500
89	544	GRY MASS SS		1244.000	2.000
90	124	DRK GRY SH		1247.000	3.000
91	324	DRK GRY MASS SDY SH		1249.000	2.000
92	124	DRK GRY SH		1263.000	14.000
93	322	DRK GRY SH+INTERBED SS		1297.000	34.000
94	553	XTLIZED SS W/SH RTKS		1301.000	4.000
		* BED:LOA 10			
95	554	XTLIZED MASS SS		1312.000	11.000
		* BED:LOA 10			
96	124	DRK GRY SH		1322.000	10.000
97	544	GRY MASS SS		1327.000	5.000
98	322	DRK GRY SH+INTERBED SS		1345.000	18.000
99	554	XTLIZED MASS SS		1465.000	120.000
		* BED:LOA 20			
100	324	DRK GRY MASS SDY SH		1468.000	3.000
101	554	XTLIZED MASS SS		1483.950	15.950
		* BED:LOA 20			
102	021	COMMON BANDED COAL		1484.950	1.000
		* BED:PCS 20			
103	034	BONE		1485.150	.200
104	124	DRK GRY SH		1486.000	.850
105	032	BONE W/COAL LAYERS		1486.400	.400
106	021	COMMON BANDED COAL		1488.100	1.700
		* BED:PCS 20			
107	124	DRK GRY SH		1491.000	2.900
108	543	GRY SS W/SH STRK		1552.000	61.000
109	124	DRK GRY SH		1552.700	.700
110	021	COMMON BANDED COAL		1553.250	.550
		* BED:PC6 10			
111	124	DRK GRY SH		1553.450	.200
112	021	COMMON BANDED COAL		1553.900	.450
		* BED:PC4 10			
113	124	DRK GRY SH		1569.600	15.700
114	021	COMMON BANDED COAL		1570.000	.400
		* BED:PC6 20 PC6 20			
115	124	DRK GRY SH		1576.000	6.000
116	324	DRK GRY MASS SDY SH		1586.000	10.000
117	544	GRY MASS SS		1605.000	19.000

PAGE: 5 OWNER NAME: ISLAND CREEK CORPORATION
ALL DEPTH/THICKNESS DATA IN FEET

SERIAL NUM:IC1092686-003-3.00

LOG# 1 (VNUY 7 (VAJ 1 2 1: 24000.3 (D= 273

LINE	CODE	ENGLISH	COMMENTS	CUMULATIVE	UNIT
118	124	DRK GRY SH		1607.600	2.600
119	021	COMMON BANDED COAL		1608.000	.400
		* BED:PC3 10			
120	034	NONE		1608.300	.300
		* BED:PC3 10			
121	114	BLK SH		1608.850	.550
122	021	COMMON BANDED COAL		1612.300	3.450
		* BED:PC3 20			
123	034	NONE		1612.400	.100
124	021	COMMON BANDED COAL		1612.800	.400
		* BED:PC3 20			
125	124	DRK GRY SH		1613.100	.300
126	021	COMMON BANDED COAL		1613.350	.450
		* BED:PC3 30 PC3 30			
127	124	DRK GRY SH		1618.000	4.450
128	324	DRK GRY MASS SDY SH		1619.000	1.000
129	124	DRK GRY SH		1623.000	4.000
130	323	DRK GRY SH W/SS STRS		1633.000	10.000
131	324	DRK GRY MASS SDY SH		1639.000	2.000
132	124	DRK GRY SH		1647.600	12.600
133	021	COMMON BANDED COAL		1648.000	.400
		* BED:PC2 10			
134	124	DRK GRY SH		1652.000	4.000
135	021	COMMON BANDED COAL		1652.400	.400
		* BED:PC2 10			
136	323	DRK GRY SH W/SS STRS		1656.000	3.600
137	544	GRY MASS SS		1658.000	2.000
138	124	DRK GRY SH		1662.000	4.000
139	324	DRK GRY MASS SDY SH		1662.000	20.000

PAGE: 1 OWNER NAME: ISLAND CREEK CORPORATION
ALL DEPTH/THICKNESS DATA IN FEET

SERIAL NUM:1C1092686-003-S.00

LOG#1 1 (VNSNT) 1 (VNS) (2 1: 34000,1 ID= 275

IDENTIFICATION SECTION

1. QUAD NAME: VNSNT
2. STATE LOCATION OF QUAD: VA
3. SCALE OF QUAD: 2
4. LOG ID #: 275
- 5.1 UNPUBLISHED RECORD. COMPANY OR AGENCY NAME: ISLAND CREEK CORP
6. DIVISION OR TRACT:
7. DRILL HOLE NUMBER: CB-58
8. CONTRIBUTING COMPANY OR AGENCY: ISLAND CREEK CORP
9. CONTRIBUTING COMPANY DDHF: CB-58

COORDINATES OF HOLE OR SECTION

- 12.1 STATE CODE: VAS
- 12.2 STATE PLANE N/S: 3613570.26
- 12.3 STATE PLANE E/W: 10440995.11
- 15.1 COMPANY GRID N/S: 25817.06
- 15.2 COMPANY GRID E/W: 21921.00

CIVIL DISTRICT WHERE LOCATED

17. STATE WHERE HOLE LOCATED: VA
18. COUNTY: BUCHANAN
19. TOWNSHIP, MAGISTERIAL DISTRICT, OR INCORPORATED PLACE: GARDEN
20. GROUND LOCATION DESCRIPTION: NEAR VP5 SLATE DUMP

BOREHOLE OR SECTION DESCRIPTION

21. ELEVATION AT TOP OF HOLE OR SECTION: F 1723.00 DRILL ANGLE 0.
22. METHOD OF ELEVATION DETERMINATION: SUR
23. NAME OF PERSON LOGGING: GLB
24. YEAR DRILLED OR MEASURED: 1991
25. TOTAL DEPTH OF DRILL HOLE: F 1729.000
26. BED CODE REGION IDENTIFIER: NAPP
27. CODE OF UPPERMOST IDENTIFIABLE BED: KEN
28. CODE OF LOWERMOST IDENTIFIABLE BED: AC2
- 29.1 KIND OF RECORD: E
- 29.2 METHOD OF LITHO DESCRIPTION: 1(CCODE)
- 30.1 UNITS OF MEASUREMENT: 2(FY)
- 30.2 METHOD(S) OF MEASUREMENT: 1(THK)

PERSON(S) LAST MODIFYING THIS LOG

31. PERSON SUBMITTING LOG FOR ENTRY: RNS
32. DATE OF LOG SUBMISSION (MM/DD/YYYY): 9/19/91
- LAST MODIFIED BY: DGL
- DATE: 9/6/1992
- USER DATA: ADDED DRILLER DATA

PAGE: 2 OWNER NAME: ISLAND CREEK CORPORATION
ALL DEPTH/THICKNESS DATA IN FEET

SERIAL NUM: 1C1092686-003-3.00

LOG# 1 IVNSHT 1 DIA 1 2 1: 24000.1 10= 275

LINE	CODE	ENGLISH	COMMENTS	CUMULATIVE	UNIT
1	021	COMMON BANDED COAL	STRIP BENCH	.000	.000
		* BED:KEN 10 KEN 10			
2	001	CASING OR SURFACE		190.000	190.000
3	021	COMMON BANDED COAL	DRILLER THICK	191.000	1.000
		* BED:RVN 10 RVN 10			
4	001	CASING OR SURFACE		201.000	10.000
5	021	COMMON BANDED COAL	DRILLER THICK	204.000	3.000
		* BED:RVN 20 RVN 20			
6	001	CASING OR SURFACE		240.000	36.000
7	021	COMMON BANDED COAL	DRILLER THICK	243.000	3.000
		* BED:RVN 30 RVN 30			
8	001	CASING OR SURFACE		334.000	91.000
9	021	COMMON BANDED COAL	DRILLER THICK	338.000	4.000
		* BED:JAM 20 JAM 20			
10	001	CASING OR SURFACE		435.000	97.000
11	322	DRK GRY SH+INTERBED SS		476.000	41.000
12	544	GRY MASS SS		502.000	26.000
13	323	DRK GRY SH W/SS STKS		519.000	17.000
14	124	DRK GRY SH		565.500	46.500
15	021	COMMON BANDED COAL		564.300	.800
		* BED:USB 10 USB 10			
16	124	DRK GRY SH		571.000	6.700
17	544	GRY MASS SS		572.000	1.000
18	124	DRK GRY SH		576.000	4.000
19	544	GRY MASS SS		582.000	6.000
20	124	DRK GRY SH		584.000	2.000
21	543	GRY SS W/SH STKS		587.000	3.000
22	124	DRK GRY SH		596.000	9.000
23	021	COMMON BANDED COAL		597.000	1.000
		* BED:USB 20 USB 20			
24	124	DRK GRY SH		614.000	17.000
25	544	GRY MASS SS		626.000	12.000
26	124	DRK GRY SH		631.000	5.000
27	554	XTLIZED MASS SS		687.000	56.000
		* BED:MDA 10 MDA 10			
28	322	DRK GRY SH+INTERBED SS		707.750	20.750
29	021	COMMON BANDED COAL		707.950	.200
		* BED:GYC 10			
30	114	BLK SH		708.100	.150
31	021	COMMON BANDED COAL		709.400	1.300
		* BED:GYC 10			
32	124	DRK GRY SH		712.000	2.600
33	543	GRY SS W/SH STKS		725.000	13.000
34	124	DRK GRY SH		727.000	2.000
35	544	GRY MASS SS		734.000	7.000
36	124	DRK GRY SH		753.000	19.000
37	323	DRK GRY SH W/SS STKS		758.000	5.000
38	124	DRK GRY SH		775.000	15.000
39	543	GRY SS W/SH STKS		784.000	11.000
40	124	DRK GRY SH		791.500	7.500

LOG# 1 IVSNY 1 CVAJ I 2 1: 24000.7 104 275

LINE	CODE	ENGLISH	COMMENTS	CUMULATIVE	UNIT
41	021	COMMON BANDED COAL			
		* BED:MSB 10 MSB 10		792.300	.300
42	124	DRK GRY SH			
43	543	GRY SS W/SH STKS		795.000	2.700
44	323	DRK GRY SH W/SS STKS		802.000	7.000
45	021	COMMON BANDED COAL		822.000	20.000
		* BED:MSB 20 MSB 20		823.000	1.000
46	124	DRK GRY SH			
47	323	DRK GRY SH W/SS STKS		830.000	7.000
48	543	GRY SS W/SH STKS		844.000	14.000
49	323	DRK GRY SH W/SS STKS		868.000	24.000
50	124	DRK GRY SH		880.000	12.000
51	544	GRY MASS SS		884.000	4.000
52	124	DRK GRY SH		886.000	2.000
53	113	BLK SH W/COAL STKS		905.000	19.000
54	124	DRK GRY SH		907.000	2.000
55	021	COMMON BANDED COAL		907.800	.800
		* BED:LHP 10 LHP 10		909.000	1.200
56	543	GRY SS W/SH STKS			
57	021	COMMON BANDED COAL		939.000	30.000
		* BED:LHP 20 LHP 20		940.000	1.000
58	124	DRK GRY SH			
59	544	GRY MASS SS		949.000	9.000
60	324	DRK GRY MASS SDY SH		955.000	6.000
61	124	DRK GRY SH		963.000	8.000
62	324	DRK GRY MASS SDY SH		965.000	2.000
63	124	DRK GRY SH		971.000	6.000
64	021	COMMON BANDED COAL		974.600	3.600
		* BED:WNP 10		975.100	.500
65	114	BLK SH			
66	021	COMMON BANDED COAL		975.280	.100
		* BED:WNP 10		976.000	.800
67	124	DRK GRY SH			
68	544	GRY MASS SS		980.000	4.000
69	124	DRK GRY SH		991.000	11.000
		* BED:BLB 10		996.000	5.000
70	323	DRK GRY SH W/SS STKS			
71	124	DRK GRY SH		1010.000	14.000
		* BED:BLB 10		1082.000	72.000
72	543	GRY SS W/SH STKS			
73	124	DRK GRY SH		1092.000	10.000
74	021	COMMON BANDED COAL		1094.000	2.000
		* BED:WRC 10 WRC 10		1094.300	.300
75	124	DRK GRY SH			
76	030	IMPURE COAL		1100.000	5.700
		* BED:WRC 20 WRC 20		1102.000	2.000
77	124	DRK GRY SH			
78	544	GRY MASS SS		1105.000	3.000
79	124	DRK GRY SH		1123.000	20.000
80	021	COMMON BANDED COAL		1147.200	22.200
		* BED:LHP 20		1147.350	.150

LOG# 1 1VMSNT 1 1VAJ [2 1: 24000.1 10: 275

LINE	CODE	ENGLISH	COMMENTS	CUMULATIVE	UNIT
81	114	BLK SH			
82	021	COMMON BANDED COAL		1147.800	.250
83	034	BONE		1148.600	.800
		* BED:LMP 20		1149.000	.400
84	124	DRK GRY SH			
85	543	GRY SS W/SH STKS		1150.000	1.000
86	323	DRK GRY SH W/SS STKS		1159.000	9.000
87	544	GRY MASS SS		1174.000	15.000
88	322	DRK GRY SH+INTERBED SS		1195.000	21.000
89	324	DRK GRY MASS SDY SH		1198.000	3.000
90	021	COMMON BANDED COAL		1207.650	9.650
		* BED:PCS 10		1207.900	.250
91	034	BONE			
92	021	COMMON BANDED COAL		1208.200	.300
93	114	BLK SH		1208.700	.500
94	021	COMMON BANDED COAL		1208.800	.100
95	114	BLK SH		1209.000	.200
96	021	COMMON BANDED COAL		1209.350	.350
97	034	BONE		1209.650	.300
98	021	COMMON BANDED COAL		1209.900	.250
		* BED:PCS 10		1210.200	.300
99	124	DRK GRY SH			
100	324	DRK GRY MASS SDY SH		1219.000	8.800
101	124	DRK GRY SH		1236.000	17.000
102	021	COMMON BANDED COAL		1243.000	7.000
		* BED:PCS 20 PCS 20		1244.000	1.000
103	124	DRK GRY SH			
104	323	DRK GRY SH W/SS STKS		1251.000	7.000
105	124	DRK GRY SH		1257.000	6.000
106	324	DRK GRY MASS SDY SH		1275.000	18.000
107	124	DRK GRY SH		1290.000	15.000
108	324	DRK GRY MASS SDY SH		1315.000	25.000
109	124	DRK GRY SH		1325.000	8.000
110	323	DRK GRY SH W/SS STKS		1335.000	12.000
111	543	GRY SS W/SH STKS		1346.000	11.000
112	322	DRK GRY SH+INTERBED SS		1350.000	4.000
113	554	XTLIZED MASS SS		1360.000	10.000
		* BED:LQA 10		1393.000	33.000
114	553	XTLIZED SS W/SH STKS			
		* BED:LQA 10		1396.000	3.000
115	554	XTLIZED MASS SS			
		* BED:LQA 20		1444.000	48.000
116	754	XTLIZED QTZ PER COL			
		* BED:LQA 20		1445.000	21.000
117	323	DRK GRY SH W/SS STKS			
118	021	COMMON BANDED COAL		1474.800	9.800
		* BED:PCS 10 PCS 10		1475.500	.700
119	553	XTLIZED SS W/SH STKS			
120	554	XTLIZED MASS SS		1482.000	6.500
121	124	DRK GRY SH		1490.000	8.000
				1496.350	6.350

LOG# 1 (VNSHT) 1 (VAL) (2 1: 24000.) ID# 275

LINE	CODE	ENGLISH	COMMENTS	CUMULATIVE	UNIT
122	021	COMMON BANDED COAL		1497.400	1.050
		* BED:PCS 20			
123	113	BLK SH W/COAL STRS		1498.250	.850
124	021	COMMON BANDED COAL		1498.650	.200
125	114	BLK SH		1498.600	.150
126	021	COMMON BANDED COAL		1498.750	.150
127	114	BLK SH		1498.900	.150
128	021	COMMON BANDED COAL		1499.150	.250
129	034	SOME		1499.400	.250
130	021	COMMON BANDED COAL		1500.400	1.000
		* BED:PCS 20			
131	323	DRK GRY SH W/SS STRS		1512.000	11.600
132	544	GRY MASS SS		1537.000	25.000
133	124	DRK GRY SH		1544.000	7.000
134	021	COMMON BANDED COAL		1546.050	2.050
		* BED:PCA 10			
135	034	SOME		1546.600	.350
		* BED:PCA 10			
136	324	DRK GRY MASS SDY SH		1553.000	6.600
137	543	GRY SS W/SH STRS		1538.000	5.000
138	124	DRK GRY SH		1566.000	6.000
139	324	DRK GRY MASS SDY SH		1576.000	10.000
140	124	DRK GRY SH		1593.000	17.000
141	322	DRK GRY SH-INTERBED SS		1604.900	15.990
142	021	COMMON BANDED COAL		1607.200	.300
		* BED:PCS 10			
143	114	BLK SH		1607.550	.350
144	021	COMMON BANDED COAL		1608.400	.850
		* BED:PCS 10			
145	114	BLK SH		1608.500	.100
146	021	COMMON BANDED COAL		1608.900	.400
		* BED:PCS 20			
147	024	DULL OR CANNEL COAL		1609.500	.600
148	114	BLK SH		1610.000	.500
149	021	COMMON BANDED COAL		1612.200	2.200
		* BED:PCS 20			
150	114	BLK SH		1612.400	.200
151	021	COMMON BANDED COAL		1612.600	.200
		* BED:PCS 30 PCS 30			
152	124	DRK GRY SH		1616.000	3.400
153	324	DRK GRY MASS SDY SH		1618.000	2.000
154	543	GRY SS W/SH STRS		1621.000	3.000
155	124	DRK GRY SH		1625.000	4.000
156	323	DRK GRY SH W/SS STRS		1633.000	8.000
157	544	GRY MASS SS		1638.000	5.000
158	124	DRK GRY SH		1649.000	11.000
159	021	COMMON BANDED COAL		1649.300	.300
		* BED:PCS 10			
160	124	DRK GRY SH		1652.500	3.200
161	021	COMMON BANDED COAL		1653.000	.500

PAGE: 6 OWNER NAME: ISLAND CREEK CORPORATION
ALL DEPTH/THICKNESS DATA IN FEET

SERIAL NUM:IC1092686-003-3.00

LOG#(1) (VMBNT 1) (VA) [2 1: 24000.1 10= 275

LINE	CODE	ENGLISH	COMMENTS	CUMULATIVE	UNIT
162	124	DRK GRY SN			
163	021	COMMON Banded COAL		1654.700	1.700
		* BED:PC2 10		1655.000	,300
164	124	DRK GRY SN			
165	021	COMMON Banded COAL		1660.000	5.000
		* BED:PC2 20 PC2 20		1660.500	,500
166	113	BLK SN W/COAL STRS		1662.000	1.500
167	322	DRK GRY SN+INTERBED SS		1671.000	9.000
168	124	DRK GRY SN		1678.000	7.000
169	554	XTLIZED MASS SS		1729.000	51.000

PAGE: 1 OWNER NAME: ISLAND CREEK CORPORATION
ALL DEPTH/THICKNESS DATA IN FEET

SERIAL NUM:IC1092686-005-5.00

LOG# 1 TVMSBT 1 CVA1 121: 24000.3 ID# 276

IDENTIFICATION SECTION

1. QUAD NAME: WMSHT
2. STATE LOCATION OF QUAD: VA
3. SCALE OF QUAD: 2
4. LOG ID #: 276
- 5.1 UNPUBLISHED RECORD, COMPANY OR AGENCY NAME: ISLAND CREEK CORP
6. DIVISION OR TRACT:
7. DRILL HOLE NUMBER: CB-02
8. CONTRIBUTING COMPANY OR AGENCY: ISLAND CREEK CORP
9. CONTRIBUTING COMPANY DCH#: CB-02

COORDINATES OF HOLE OR SECTION

- 12.1 STATE CODE: VA
- 12.2 STATE PLANE N/S: 3611029.72
- 12.3 STATE PLANE E/W: 10430737.68
- 15.1 COMPANY GRID N/S: 22991.15
- 15.2 COMPANY GRID E/W: 11737.02

CIVIL DISTRICT WHERE LOCATED

17. STATE WHERE HOLE LOCATED: VA
18. COUNTY: BUCHANAN
19. TOWNSHIP, MAGISTERIAL DISTRICT, OR INCORPORATED PLACE: GARDEN
20. GROUND LOCATION DESCRIPTION: LEE MASTER

BOREHOLE OR SECTION DESCRIPTION

21. ELEVATION AT TOP OF HOLE OR SECTION: F 1795.11 DRILL ANGLE 0.
22. METHOD OF ELEVATION DETERMINATION: SUR
23. NAME OF PERSON LOGGING: SLS
24. YEAR DRILLED OR MEASURED: 1991
25. TOTAL DEPTH OF DRILL HOLE: F 1960.000
26. BED CODE REGION IDENTIFIER: NAPP
27. CODE OF UPPERMOST IDENTIFIABLE BED: RVW
28. CODE OF LOWERMOST IDENTIFIABLE BED: PCS
- 29.1 KIND OF RECORD: E
- 29.2 METHOD OF LITHO DESCRIPTION: 1(CODE)
- 30.1 UNITS OF MEASUREMENT: 2(FT)
- 30.2 METHOD(S) OF MEASUREMENT: 1(THW)

PERSON(S) LAST MODIFYING THIS LOG

31. PERSON SUBMITTING LOG FOR ENTRY: RNS
32. DATE OF LOG SUBMISSION (MM/DD/YYYY): 9/19/91
- LAST MODIFIED BY: DGL
DATE: 9/4/1992
- USER DATA: ADDED DRILLER DATA

LOG# [3] (V)ENT [1] (V)AL [2] 1: 24000.3 ID= 276

LINE	CODE	ENGLISH	COMMENTS	CUMULATIVE	UNIT
1	001	CASING OR SURFACE			
2	021	COMMON BANDED COAL	DRILLER THICK	495.000	495.000
		* BED: RVN 20 RVN 20		498.000	3.000
3	001	CASING OR SURFACE			
4	544	GRY MASS SS		561.000	63.000
5	124	DRK GRY SH		565.000	4.000
6	021	COMMON BANDED COAL		605.000	40.000
		* BED: JAN 10 JAN 10		506.000	1.000
7	124	DRK GRY SH		609.000	3.000
8	543	GRY SS W/SH STKS		641.000	32.000
9	124	DRK GRY SH		647.150	6.150
10	021	COMMON BANDED COAL		647.500	.350
		* BED: JAN 20			
11	114	BLK SH		647.600	.100
12	021	COMMON BANDED COAL		647.800	.200
13	114	BLK SH		647.900	.100
14	021	COMMON BANDED COAL		648.900	1.000
		* BED: JAN 20			
15	124	DRK GRY SH		656.000	7.100
16	544	GRY MASS SS		706.000	50.000
17	544	GRY MASS SS		712.000	6.000
18	124	DRK GRY SH		741.700	29.700
19	024	DILL OR CHANNEL COAL		742.050	.350
		* BED: TIL 20			
20	114	BLK SH		742.300	.450
21	034	BONE		743.000	.500
22	021	COMMON BANDED COAL		743.700	.700
23	034	BONE		743.800	.100
24	124	DRK GRY SH		744.500	.700
25	021	COMMON BANDED COAL		745.500	1.000
		* BED: TIL 20			
26	124	DRK GRY SH		749.000	3.500
27	544	GRY MASS SS		768.000	19.000
28	124	DRK GRY SH		839.500	71.500
29	021	COMMON BANDED COAL		840.000	.500
		* BED: USB 10 USB 10			
30	124	DRK GRY SH		859.000	19.000
31	543	GRY SS W/SH STKS		873.000	14.000
32	124	DRK GRY SH		877.000	4.000
33	543	GRY SS W/SH STKS		885.000	8.000
34	325	DRK GRY SH W/SS STKS		907.000	22.000
35	543	GRY SS W/SH STKS		950.000	43.000
36	563	HARD SS W/SH STKS		976.000	26.000
37	554	XTLIZED MASS SS		1009.000	33.000
38	533	XTLIZED SS W/SH STKS		1016.000	7.000
39	124	DRK GRY SH		1040.000	24.000
40	323	DRK GRY SH W/SS STKS		1066.500	26.500
41	021	COMMON BANDED COAL		1066.800	.300
		* BED: HNS 10			
42	114	BLK SH		1067.100	.300

LOG#E 3 (VNSHT 1 (VA) 1 2 1: 24000.) 10= 276

LINE	CODE	ENGLISH	COMMENTS	CUMULATIVE	UNIT
43	021	COMMON BANDED COAL			
44	114	BLK SH		1068.000	.900
45	021	COMMON BANDED COAL		1068.300	.300
		* BED:MSB 10		1068.600	.300
46	323	DRK GRY SH W/SS STKS			
47	543	GRY SS W/SH STKS		1082.000	13.400
48	323	DRK GRY SH W/SS STKS		1093.000	11.000
49	544	GRY MASS SS		1136.000	43.000
50	124	DRK GRY SH		1152.000	16.000
51	323	DRK GRY SH W/SS STKS		1163.000	11.000
52	124	DRK GRY SH		1182.000	19.000
53	021	COMMON BANDED COAL		1193.000	11.000
		* BED:UMP 10 UMP 10		1194.000	1.000
54	124	DRK GRY SH		1199.000	5.000
55	324	DRK GRY MASS SDY SH		1211.000	12.000
56	124	DRK GRY SH		1221.000	10.000
57	113	BLK SH W/COAL STKS		1222.350	1.350
58	021	COMMON BANDED COAL		1224.150	1.800
		* BED:UMP 20 UMP 20			
59	124	DRK GRY SH		1236.000	11.850
60	323	DRK GRY SH W/SS STKS		1240.500	4.500
61	021	COMMON BANDED COAL		1241.000	.500
		* BED:UMP 10 UMP 10			
62	322	DRK GRY SH+INTERBED SS		1262.000	21.000
63	543	GRY SS W/SH STKS		1269.000	7.000
64	544	GRY MASS SS		1298.000	29.000
65	124	DRK GRY SH		1313.000	15.000
		* BED:SLB 10			
66	322	DRK GRY SH+INTERBED SS		1344.000	31.000
		* BED:SLB 10			
67	544	GRY MASS SS		1361.000	17.000
68	021	COMMON BANDED COAL		1361.500	.500
		* BED:MRC 10 MRC 10			
69	124	DRK GRY SH		1377.000	15.500
70	021	COMMON BANDED COAL		1377.400	.400
		* BED:MRC 20 MRC 20			
71	124	DRK GRY SH		1386.000	8.600
72	323	DRK GRY SH W/SS STKS		1390.000	4.000
73	544	GRY MASS SS		1403.000	13.000
74	543	GRY SS W/SH STKS		1431.500	28.500
75	124	DRK GRY SH		1432.350	.850
76	022	COAL W/BONE LAYERS		1433.300	.950
		* BED:LHP 20			
77	021	COMMON BANDED COAL		1434.000	.700
		* BED:LHP 20			
78	324	DRK GRY MASS SDY SH		1437.000	3.000
79	543	GRY SS W/SH STKS		1441.000	4.000
80	124	DRK GRY SH		1446.000	5.000
81	322	DRK GRY SH+INTERBED SS		1450.000	4.000
82	324	DRK GRY MASS SDY SH		1461.000	11.000

LOG#1 J TWENTY J VAL 1 2 1: 24000.7 ID# 276

LINE	CODE	ENGLISH	COMMENTS	CUMULATIVE	UNIT
83	322	DRK GRY SH+INTERBED SS			
84	034	BONE		1480.150	19.150
		* BED:PC9 10		1480.300	.150
85	114	BLK SH			
86	021	COMMON BANDED COAL		1480.550	.250
87	124	DRK GRY SH		1481.250	.700
88	034	BONE		1481.700	.450
89	021	COMMON BANDED COAL		1481.900	.200
90	034	BONE		1482.600	.700
		* BED:PC9 10		1482.650	.250
91	124	DRK GRY SH		1491.000	8.150
92	543	GRY SS W/SH STKS		1515.000	24.000
93	124	DRK GRY SH		1525.000	10.000
94	021	COMMON BANDED COAL		1526.000	1.000
		* BED:PC9 20 PC9 20			
95	322	DRK GRY SH+INTERBED SS		1544.000	18.000
96	543	GRY SS W/SH STKS		1591.000	47.000
97	543	HARD SS W/SH STKS		1620.000	29.000
		* BED:LQA 10			
98	322	DRK GRY SH+INTERBED SS		1637.000	17.000
99	553	XTLIZED SS W/SH STKS		1653.000	16.000
100	323	DRK GRY SH W/SS STKS		1664.000	11.000
101	554	XTLIZED MASS SS		1679.000	15.000
102	553	XTLIZED SS W/SH STKS		1686.000	7.000
103	554	XTLIZED MASS SS		1735.000	49.000
		* BED:LQA 10			
104	323	DRK GRY SH W/SS STKS		1744.000	9.000
105	543	HARD SS W/SH STKS		1750.000	6.000
		* BED:LQA 20			
106	554	XTLIZED MASS SS		1761.000	11.000
107	323	DRK GRY MASS SOY SH		1765.000	4.000
108	543	GRY SS W/SH STKS		1769.000	4.000
109	322	DRK GRY SH+INTERBED SS		1773.000	4.000
110	544	GRY MASS SS		1781.000	8.000
111	554	XTLIZED MASS SS		1821.000	40.000
112	544	HARD MASS SS		1835.000	14.000
		* BED:LQA 20			
113	322	DRK GRY SH+INTERBED SS		1842.000	7.000
114	544	GRY MASS SS		1852.000	10.000
115	021	COMMON BANDED COAL		1852.500	.500
		* BED:PCA 10 PCA 10			
116	323	DRK GRY SH W/SS STKS		1865.000	12.500
117	124	DRK GRY SH		1897.000	32.000
118	324	DRK GRY MASS SOY SH		1900.000	3.000
119	124	DRK GRY SH		1911.400	11.400
120	021	COMMON BANDED COAL		1911.700	.300
		* BED:PCS 10			
121	124	DRK GRY SH		1912.400	.700
122	021	COMMON BANDED COAL		1912.650	.250
		* BED:PCS 10			

PAGE: 5 OWNER NAME: ISLAND CREEK CORPORATION
ALL DEPTH/THICKNESS DATA IN FEET

SERIAL NUM:1C1092656-003-5.00

LOG=[] IVNSWT [] [VA] [2 1: 24000.] 10= 276

LINE	CODE	ENGLISH	COMMENTS	CUMULATIVE	UNIT
123	114	BLK SH			
124	021	COMMON BANDED COAL		1912.800	.750
		* BED:PCS 20		1913.350	.550
125	124	DRK GRY SH			
126	034	BONE		1913.850	.500
127	021	COMMON BANDED COAL		1914.250	.400
128	124	DRK GRY SH		1914.800	.550
129	021	COMMON BANDED COAL		1915.450	.650
130	114	BLK SH		1915.750	.300
131	021	COMMON BANDED COAL		1915.950	.200
132	022	COAL W/BONE LAYERS		1917.250	1.500
133	021	COMMON BANDED COAL		1917.600	.350
		* BED:PCS 20		1918.000	.400
134	124	DRK GRY SH			
135	021	COMMON BANDED COAL		1918.950	.950
		* BED:PCS 30 PCS 30		1919.150	.200
136	124	DRK GRY SH			
137	021	COMMON BANDED COAL		1925.000	5.850
		* BED:PCS 40 PCS 40		1925.200	.200
138	124	DRK GRY SH			
139	544	GRY MASS SS		1948.000	22.800
				1960.000	12.000

PAGE: 1 OWNER NAME: ISLAND CREEK CORPORATION
ALL DEPTH/THICKNESS DATA IN FEET

SERIAL NUM: FC1092686-003-3.00

LOG# 1 EVMSHT 3 (VA) 12 1: 24000.1 10: 193

IDENTIFICATION SECTION

1. QUAD NAME: VMSMT
2. STATE LOCATION OF QUAD: VA
3. SCALE OF QUAD: 2
4. LOG ID #: 193
- 5.1 UNPUBLISHED RECORD, COMPANY OR AGENCY NAME: ISLAND CREEK CORP
6. DIVISION OR TRACT:
7. DRILL HOLE NUMBER: CB-010
8. CONTRIBUTING COMPANY OR AGENCY: ISLAND CREEK CORP
9. CONTRIBUTING COMPANY DOW: CB-010

COORDINATES OF HOLE OR SECTION

- 12.1 STATE CODE: VA
- 12.2 STATE PLANE N/S: 3510537.96
- 12.3 STATE PLANE E/W: 10444706.12
- 15.1 COMPANY GRID N/S: 22688.05
- 15.2 COMPANY GRID E/W: 25713.64

CIVIL DISTRICT WHERE LOCATED

17. STATE WHERE HOLE LOCATED: VA
18. COUNTY: BUCHANAN
19. TOWNSHIP, MAGISTERIAL DISTRICT, OR INCORPORATED PLACE: GARDEN
20. GROUND LOCATION DESCRIPTION: THREE FORKS

SCHEMATIC OR SECTION DESCRIPTION

21. ELEVATION AT TOP OF HOLE OR SECTION: F 1771.55 DRILL ANGLE D.
22. METHOD OF ELEVATION DETERMINATION: S
23. NAME OF PERSON LOGGING: GLS
24. YEAR DRILLED OR MEASURED: 1991
25. TOTAL DEPTH OF DRILL HOLE: F 1690.000
26. BED CODE REGION IDENTIFIER: NAPP
27. CODE OF UPPERMOST IDENTIFIABLE BED: KEN
28. CODE OF LOWERMOST IDENTIFIABLE BED: PCI
- 29.1 KIND OF RECORD: S
- 29.2 METHOD OF LITHO DESCRIPTION: 1(CODE)
- 30.1 UNITS OF MEASUREMENT: 2(FT) 1
- 30.2 METHOD(S) OF MEASUREMENT: 1(THK) 1

PERSON(S) LAST MODIFYING THIS LOG

31. PERSON SUBMITTING LOG FOR ENTRY: BMS
32. DATE OF LOG SUBMISSION (MM/DD/YYYY): 6/17/91
- LAST MODIFIED BY: DGL
- DATE: 9/4/1992

USER DATA:

LOG# 1 EVENT 1 VAL 2 1: 24000, 10= 193

LINE	CODE	ENGLISH	COMMENTS	CUMULATIVE	UNIT
1	021	COMMON BANDED COAL		.000	.000
		* BED:KEN 10 KEN 10			
2	001	CASING OR SURFACE		432.000	432.000
3	560	HARD SS		462.000	30.000
4	021	COMMON BANDED COAL		462.500	.500
		* BED:TIL 10			
5	100	SH (UNDIF)		463.000	.500
6	021	COMMON BANDED COAL		463.500	.500
		* BED:TIL 10			
7	300	SDY SH		477.000	13.500
8	100	SH (UNDIF)		486.500	9.500
9	021	COMMON BANDED COAL		487.500	1.000
		* BED:TIL 20 TIL 20			
10	100	SH (UNDIF)		490.000	2.500
11	021	COMMON BANDED COAL		491.000	1.000
		* BED:TIL 30 TIL 30			
12	300	SDY SH		494.000	3.000
13	500	SS		496.000	2.000
14	300	SDY SH		579.000	83.000
15	021	COMMON BANDED COAL		579.500	.500
		* BED:USB 10 USB 10			
16	100	SH (UNDIF)		584.300	5.000
17	300	SDY SH		595.000	10.500
18	560	HARD SS		637.000	42.000
19	300	SDY SH		642.000	5.000
20	500	SS		653.000	11.000
21	300	SDY SH		726.000	71.000
22	500	SS		727.000	1.000
23	300	SDY SH		730.000	3.000
24	100	SH (UNDIF)		735.000	5.000
25	500	SS		741.000	6.000
26	100	SH (UNDIF)		743.000	2.000
27	503	SS W/SH STKS		761.000	18.000
28	560	HARD SS		771.000	10.000
29	300	SDY SH		795.000	24.000
30	100	SH (UNDIF)		805.000	10.000
31	300	SDY SH		831.000	26.000
32	021	COMMON BANDED COAL		832.000	1.000
		* BED:MSB 20 MSB 20			
33	300	SDY SH		859.000	27.000
34	100	SH (UNDIF)		860.500	1.500
35	021	COMMON BANDED COAL		861.000	.500
		* BED:LSB 10			
36	100	SH (UNDIF)		862.500	1.500
37	021	COMMON BANDED COAL		863.000	.500
		* BED:LSB 10			
38	500	SS		910.000	47.000
39	300	SDY SH		917.000	7.000
40	560	HARD SS		928.000	11.000
41	300	SDY SH		952.500	24.500

PAGE: 3 OWNER NAME: ISLAND CREEK CORPORATION
ALL DEPTH/THICKNESS DATA IN FEET

SERIAL NUM: 101092086-003-5.00

LOG# 1 TVMSNT 1 (VAB C 2 1: 26000.) 10= 193

LINE	CODE	ENGLISH	COMMENTS	CUMULATIVE	UNIT
42	100	SH (UNDIF)			
43	021	COMMON BANDED COAL		955.000	2.500
		* BED:UNP 10		955.400	.400
44	100	SH (UNDIF)			
45	021	COMMON BANDED COAL		955.600	.200
46	034	BONE		955.750	.150
47	021	COMMON BANDED COAL		955.900	.150
48	100	SH (UNDIF)		956.050	.150
49	034	BONE		956.200	.150
50	021	COMMON BANDED COAL		956.500	.300
51	034	BONE		957.200	.700
52	021	COMMON BANDED COAL		957.450	.250
53	034	BONE		957.600	.150
54	021	COMMON BANDED COAL		957.700	.100
		* BED:UNP 10		957.900	.200
55	100	SH (UNDIF)			
56	300	SOY SH		961.000	3.100
57	560	HARD SS		965.000	4.000
58	100	SH (UNDIF)		979.000	14.000
59	021	COMMON BANDED COAL		982.100	3.100
		* BED:UNP 20		982.750	.650
60	100	SH (UNDIF)			
61	021	COMMON BANDED COAL		982.950	.200
62	034	BONE		983.500	.550
63	021	COMMON BANDED COAL		983.600	.100
		* BED:UNP 20		984.300	.700
64	100	SH (UNDIF)			
65	300	SOY SH		987.500	3.200
66	500	SS		996.000	10.500
67	300	SOY SH		1001.000	5.000
68	100	SH (UNDIF)		1016.500	15.500
69	021	COMMON BANDED COAL		1018.000	1.500
		* BED:UNP 10		1018.350	.350
70	034	BONE			
71	100	SH (UNDIF)		1018.650	.300
72	034	BONE		1018.850	.200
73	021	COMMON BANDED COAL		1019.000	.150
74	100	SH (UNDIF)		1019.300	.300
75	021	COMMON BANDED COAL		1019.450	.150
76	034	BONE		1019.700	.250
		* BED:UNP 10		1020.000	.300
77	560	HARD SS			
78	300	SOY SH		1044.000	24.000
79	560	HARD SS		1107.000	63.000
80	034	BONE		1110.600	3.600
		* BED:WRC 10		1111.300	.700
81	021	COMMON BANDED COAL			
82	100	SH (UNDIF)		1111.800	.500
83	021	COMMON BANDED COAL		1112.100	.300
84	034	BONE		1112.800	.700
		* BED:WRC 10		1113.200	.400

LOG#1 1 COMMENT 1 (VAL) 1 2 1: 24000.1 10= 193

LINE	CODE	ENGLISH	COMMENTS	CUMULATIVE	UNIT
85	100	SH (UNDIF)		1113.000	1.800
86	300	SDY SH		1125.300	10.300
87	034	BONE		1125.700	.400
		* BED:WRC 20			
88	100	SH (UNDIF)		1124.100	.400
89	021	COMMON BANDED COAL		1127.000	.900
		* BED:WRC 20			
90	300	SDY SH		1133.000	6.000
91	560	HARD SS		1167.000	34.000
92	100	SH (UNDIF)		1168.400	1.400
93	021	COMMON BANDED COAL		1169.450	1.050
		* BED:LHP 10			
94	100	SH (UNDIF)		1169.500	.150
95	034	BONE		1169.800	.300
		* BED:LHP 10			
96	300	SDY SH		1185.300	16.500
97	021	COMMON BANDED COAL		1189.100	.800
		* BED:LHP 20			
98	034	BONE		1189.200	.100
99	021	COMMON BANDED COAL		1189.900	.700
		* BED:LHP 20			
100	300	SDY SH		1193.000	3.100
101	300	SS		1198.000	5.000
102	560	HARD SS		1227.000	29.000
103	550	KYLLIZED SS		1242.000	15.000
104	100	SH (UNDIF)		1243.600	1.600
105	021	COMMON BANDED COAL		1243.800	.200
		* BED:PCS 10			
106	100	SH (UNDIF)		1243.950	.150
107	021	COMMON BANDED COAL		1243.400	1.450
		* BED:PCS 10			
108	100	SH (UNDIF)		1256.850	11.450
109	021	COMMON BANDED COAL		1257.500	.650
		* BED:PCS 20			
110	034	BONE		1257.750	.250
111	021	COMMON BANDED COAL		1258.000	.250
112	034	BONE		1258.150	.150
113	021	COMMON BANDED COAL		1258.400	.250
114	034	BONE		1258.600	.200
		* BED:PCS 20			
115	100	SH (UNDIF)		1262.200	3.600
116	034	BONE		1262.600	.400
117	300	SDY SH		1283.000	20.400
118	500	SS		1285.000	2.000
119	300	SDY SH		1291.000	6.000
120	100	SH (UNDIF)		1299.000	8.000
121	300	SDY SH		1301.000	2.000
122	100	SH (UNDIF)		1310.400	9.400
123	021	COMMON BANDED COAL		1311.200	.800
		* BED:PCS 10			

PAGE: 5 OWNER NAME: ISLAND CREEK CORPORATION
ALL DEPTH/THICKNESS DATA IN FEET

SERIAL NUM: 151092656-003-3,00

LOG# 1 1 (WNSHT) 1 (VAL) (2 1: 24000,) 10# 103

LINE	CODE	ENGLISH	COMMENTS	CUMULATIVE	UNIT
124	034	BONE		1311.400	.200
125	100	SH (UNDIF)		1312.200	.800
126	034	BONE		1312.450	.250
127	100	SH (UNDIF)		1313.400	.950
128	034	BONE		1313.700	.300
		* BED:PCS 10			
129	300	SDY SH		1383.000	69.300
130	560	HARD SS		1392.000	9.000
131	503	SS W/SH STKS		1401.000	9.000
132	560	HARD SS		1409.000	8.000
133	300	SDY SH		1421.000	12.000
134	560	HARD SS		1423.500	2.500
135	300	SDY SH		1434.000	10.500
136	500	SS		1437.000	3.000
137	550	XTLIZED SS		1487.500	50.500
138	034	BONE		1488.000	.500
139	550	XTLIZED SS		1499.000	11.000
140	300	SDY SH		1545.000	46.000
141	100	SH (UNDIF)		1545.500	.500
142	034	BONE		1546.700	.200
		* BED:PCS 10			
143	100	SH (UNDIF)		1546.100	.400
144	034	BONE		1546.250	.150
145	100	SH (UNDIF)		1546.400	.150
146	034	BONE		1546.750	.350
147	100	SH (UNDIF)		1546.950	.200
148	021	COMMON BANDED COAL		1548.300	1.350
		* BED:PCS 10			
149	100	SH (UNDIF)		1550.000	1.700
150	300	SDY SH		1553.000	3.000
151	500	SS		1564.000	11.000
152	560	HARD SS		1610.000	46.000
153	100	SH (UNDIF)		1613.300	3.300
154	021	COMMON BANDED COAL		1619.800	6.500
		* BED:PCS 10			
155	100	SH (UNDIF)		1620.750	.950
156	021	COMMON BANDED COAL		1621.000	.250
157	100	SH (UNDIF)		1621.400	.400
158	021	COMMON BANDED COAL		1621.700	.300
		* BED:PCS 10			
159	300	SDY SH		1625.000	3.300
160	500	SS		1636.000	11.000
161	300	SDY SH		1638.500	2.500
162	021	COMMON BANDED COAL		1639.000	.500
		* BED:PCS 10			
163	034	BONE		1639.150	.150
164	021	COMMON BANDED COAL		1639.700	.550
		* BED:PCS 10			
165	100	SH (UNDIF)		1639.900	.200
166	034	BONE		1640.250	.350
		* BED:PCS 20			

PAGE: 6 OWNER NAME: ISLAND CREEK CORPORATION
ALL DEPTH/THICKNESS DATA IN FEET

SERIAL NUM:101092606-003-3,00

LOG# 1 [VMSMT] 2 [VAL] 2 1: 24000.1 10= 193

LINE	CODE	ENGLISH	COMMENTS	CUMULATIVE	UNIT
167	021	COMMON BANDED COAL		1643.600	3.350
		* BED:PC3 20			
168	034	BONE		1643.900	.300
		* BED:PC3 30 PC3 30			
169	100	SH (UNDIF)		1649.000	5.100
170	300	SDY SH		1652.000	3.000
171	500	SS		1666.000	14.000
172	300	SDY SH		1690.000	24.000

PAGE: 1 OWNER NAME: ISLAND CREEK CORPORATION
ALL DEPTH/THICKNESS DATA IN FEET

SERIAL NUMBER: C1092686-003-3.00

LOG# 1 TVMNT 1 [VA] [2 1: 24000.1 10= 196

IDENTIFICATION SECTION

1. QUAD NAME: VMSMT
2. STATE LOCATION OF QUAD: VA
3. SCALE OF QUAD: 2
4. LOG ID #: 196
- 5.1 UNPUBLISHED RECORD, COMPANY OR AGENCY NAME: ISLAND CREEK CORP
5. DIVISION OR TRACT:
7. DRILL HOLE NUMBER: CB-28
8. CONTRIBUTING COMPANY OR AGENCY: ISLAND CREEK CORP
9. CONTRIBUTING COMPANY DRAW: CB-28

COORDINATES OF HOLE OR SECTION

- 12.1 STATE CODE: VA
- 12.2 STATE PLANE N/S: 3600669.10
- 12.3 STATE PLANE E/W: 10441272.65
- 15.1 COMPANY GRID N/S: 12926.91
- 15.2 COMPANY GRID E/W: 22558.22

CIVIL DISTRICT WHERE LOCATED

17. STATE WHERE HOLE LOCATED: VA
18. COUNTY: BUCHANAN
19. TOWNSHIP, MAGISTERIAL DISTRICT, OR INCORPORATED PLACE: GARDEN
20. GROUND LOCATION DESCRIPTION: LESTERS FORK

BOREHOLE OR SECTION DESCRIPTION

21. ELEVATION AT TOP OF HOLE OR SECTION: F 1720.28 DRILL ANGLE 0.
22. METHOD OF ELEVATION DETERMINATION: S
23. NAME OF PERSON LOGGING: GLS
24. YEAR DRILLED OR MEASURED: 1991
25. TOTAL DEPTH OF DRILL HOLE: F 1606.000
26. BED CODE REGION IDENTIFIER: NAPP
27. CODE OF UPPERMOST IDENTIFIABLE BED: TTL
28. CODE OF LOWERMOST IDENTIFIABLE BED: PG2
- 29.1 KIND OF RECORD: 2
- 29.2 METHOD OF LITHO DESCRIPTION: 1(CODE)
- 30.1 UNITS OF MEASUREMENT: 2(FT 1
- 30.2 METHOD(S) OF MEASUREMENT: 1(THK 1

PERSON(S) LAST MODIFYING THIS LOG

31. PERSON SUBMITTING LOG FOR ENTRY: RES
 32. DATE OF LOG SUBMISSION (MM/DD/YYYY): 6/17/91
- LAST MODIFIED BY: DBL
DATE: 7/6/1992

USER DATA:

PAGE: 2 OWNER NAME: ISLAND CREEK CORPORATION
ALL DEPTH/THICKNESS DATA IN FEET

SERIAL NUM:ICID92686-003-3.00

LOG#(1 IVNSHT 1 [VAT] [2 1= 24000.] 10= 190

LINE	CODE	ENGLISH	COMMENTS	CUMULATIVE	UNIT
1	001	CASING OR SURFACE		348.000	348.000
2	300	SDY SH		365.500	17.500
3	021	COMMON BANDED COAL		366.000	.500
		* BED:TIL 30 TIL 30			
4	300	SDY SH		452.000	86.000
5	021	COMMON BANDED COAL		452.500	.500
		* BED:USB 10 USB 10			
6	300	SDY SH		455.000	2.500
7	100	SH (UNDIF)		457.000	2.000
8	300	SDY SH		465.000	8.000
9	503	SS W/SH STKS		508.000	43.000
10	300	SDY SH		567.000	59.000
11	503	SS W/SH STKS		591.500	24.500
12	021	COMMON BANDED COAL		592.600	1.100
		* BED:GYC 10			
13	034	BONE		593.000	.400
		* BED:GYC 10			
14	300	SDY SH		596.000	3.000
15	500	SS		640.000	44.000
16	100	SH (UNDIF)		641.000	1.000
17	300	SDY SH		692.000	51.000
18	021	COMMON BANDED COAL		693.000	1.000
		* BED:MSB 20 MSB 20			
19	300	SDY SH		696.000	3.000
20	500	SS		704.000	8.000
21	300	SDY SH		714.500	10.500
22	030	IMPURE COAL		715.000	.500
		* BED:LSB 10 LSB 10			
23	100	SH (UNDIF)		719.500	4.500
24	030	IMPURE COAL		720.000	.500
		* BED:LSB 20 LSB 20			
25	300	SDY SH		734.000	14.000
26	300	SS		782.000	48.000
27	300	SDY SH		816.000	34.000
28	100	SH (UNDIF)		818.500	2.500
29	021	COMMON BANDED COAL		822.300	3.800
		* BED:UNP 10 UNP 10			
30	100	SH (UNDIF)		824.000	1.700
31	500	SS		827.000	3.000
32	100	SH (UNDIF)		831.000	4.000
33	500	SS		870.300	39.500
34	021	COMMON BANDED COAL		870.700	.400
		* BED:NNP 10			
35	100	SH (UNDIF)		870.850	.150
36	034	BONE		871.200	.350
37	100	SH (UNDIF)		878.000	6.800
38	021	COMMON BANDED COAL		878.700	.700
39	100	SH (UNDIF)		878.900	.200
40	021	COMMON BANDED COAL		879.450	.550
		* BED:NNE 10			

LOG# 1 (VMS) 1 (VA) 1 2 1 24000.3 10 100

LINE	CODE	ENGLISH	COMMENTS	CUMULATIVE	UNIT
41	300	SDY SH		892.000	12.550
42	505	SS W/SH STKS		911.000	19.000
43	500	SS		933.000	22.000
44	300	SDY SH		966.000	33.000
45	034	BONE		966.750	.750
46	100	SH (UNDIF)		966.900	.150
47	034	BONE		967.200	.300
48	100	SH (UNDIF)		970.550	3.350
49	021	COMMON BANDED COAL		971.000	.450
		* BED:WRC 10			
50	100	SH (UNDIF)		971.200	.200
51	021	COMMON BANDED COAL		971.700	.500
		* BED:WRC 10			
52	300	SDY SH		973.000	1.300
53	500	SS		991.000	18.000
54	021	COMMON BANDED COAL		991.800	.800
		* BED:WRC 15			
55	100	SH (UNDIF)		993.000	3.200
56	021	COMMON BANDED COAL		995.500	.500
		* BED:WRC 15			
57	100	SH (UNDIF)		997.000	1.500
58	300	SDY SH		1011.000	14.000
59	021	COMMON BANDED COAL		1011.500	.500
		* BED:WRC 20 WRC 20			
60	100	SH (UNDIF)		1014.000	2.500
61	300	SDY SH		1021.000	7.000
62	500	SS		1057.850	36.850
63	021	COMMON BANDED COAL		1058.300	.450
		* BED:LHP 10 LHP 10			
64	100	SH (UNDIF)		1062.800	4.500
65	021	COMMON BANDED COAL		1063.100	.300
		* BED:LHP 20			
66	103	SH W/COAL STKS		1065.500	2.700
67	021	COMMON BANDED COAL		1067.400	1.600
68	034	BONE		1067.900	.500
		* BED:LHP 20			
69	500	SS		1100.000	32.100
70	550	XTLIZED SS		1115.000	15.000
71	500	SS		1129.100	14.100
72	021	COMMON BANDED COAL		1129.600	.500
		* BED:PCS 10			
73	034	BONE		1130.250	.650
74	021	COMMON BANDED COAL		1131.500	1.250
75	100	SH (UNDIF)		1132.500	1.000
76	021	COMMON BANDED COAL		1132.900	.400
		* BED:PCS 10			
77	300	SDY SH		1141.000	8.100
78	100	SH (UNDIF)		1157.000	16.000
79	300	SDY SH		1180.300	23.300
80	021	COMMON BANDED COAL		1181.000	.700
		* BED:PCS 10 PCS 10			

PAGE: 4 OWNER NAME: ISLAND CREEK CORPORATION
ALL DEPTH/THICKNESS DATA IN FEET

SERIAL NUMBER: IC1092686-003-5.00

LOG# 1 J (VNRNT) J (VAL) (2 1: 24000.) ID# 196

LINE	CODE	ENGLISH	COMMENTS	CUMULATIVE	UNIT
81	300	SS		1209.000	28.000
82	300	SDY SH		1219.000	10.000
83	021	COMMON BANDED COAL		1220.000	1.000
		* BED:PC7 10 PC7 10			
84	300	SDY SH		1222.000	2.000
85	553	XTLIZED SS W/SH STKS		1237.000	15.000
86	550	XTLIZED SS		1301.000	64.000
87	300	SDY SH		1368.000	67.000
88	500	SS		1373.200	5.200
89	021	COMMON BANDED COAL		1374.000	.800
		* BED:PCS 10 PCS 10			
90	100	SH (UNDIF)		1377.000	3.000
91	303	SS W/SH STKS		1402.000	25.000
92	100	SH (UNDIF)		1606.000	2.000
93	021	COMMON BANDED COAL		1605.000	1.000
		* BED:PCS 20 PCS 20			
94	100	SH (UNDIF)		1607.000	2.000
95	500	SS		1610.000	3.000
96	300	SDY SH		1612.000	2.000
97	500	SS		1656.000	44.000
98	021	COMMON BANDED COAL		1656.350	.350
		* BED:PC4 10			
99	100	SH (UNDIF)		1656.550	.200
100	021	COMMON BANDED COAL		1656.900	.350
		* BED:PC4 10			
101	300	SDY SH		1669.000	12.100
102	500	SS		1506.900	37.900
103	021	COMMON BANDED COAL		1507.200	.300
		* BED:PCS 10 PCS 10			
104	300	SDY SH		1510.700	3.500
105	100	SH (UNDIF)		1516.200	3.500
106	021	COMMON BANDED COAL		1514.700	.500
		* BED:PCS 20			
107	100	SH (UNDIF)		1515.350	.650
108	021	COMMON BANDED COAL		1515.800	.450
109	100	SH (UNDIF)		1516.050	.250
110	021	COMMON BANDED COAL		1516.550	.500
111	100	SH (UNDIF)		1516.800	.250
112	021	COMMON BANDED COAL		1517.500	.700
113	034	BONE		1517.700	.200
		* BED:PCS 20			
114	300	SDY SH		1525.200	5.500
115	100	SH (UNDIF)		1527.800	4.600
116	021	COMMON BANDED COAL		1528.800	1.000
		* BED:PCS 30 PCS 30			
117	100	SH (UNDIF)		1534.200	5.400
118	034	BONE		1534.400	.200
		* BED:PCS 40			
119	021	COMMON BANDED COAL		1534.700	.300
		* BED:PCS 40			

PAGE: 5 OWNER NAME: ISLAND CREEK CORPORATION
ALL DEPTH/THICKNESS DATA IN FEET

SERIAL NUM:1C1092686-003-3.00

LOG#() CIRSMT) IVAL (2 1: 24000.3 ID= 196

LINE	CODE	ENGLISH	COMMENTS	CUMULATIVE	UNIT
120	300	SDY SH		1545.000	10.300
121	100	SH (UNDIF)		1548.000	3.000
122	300	SDY SH		1556.000	8.000
123	100	SH (UNDIF)		1563.000	7.000
124	300	SDY SH		1566.000	3.000
125	100	SH (UNDIF)		1572.500	6.500
126	021	COMMON BANDED COAL		1573.000	.500
		* BED:PC2 TO PC2 10			
127	500	SS		1574.000	1.000
128	100	SH (UNDIF)		1577.000	3.000
129	300	SDY SH		1583.000	6.000
130	500	SS		1606.000	21.000

PAGE: 1 OWNER NAME: ISLAND CREEK CORPORATION
ALL DEPTH/THICKNESS DATA IN FEET

SERIAL NUM:IC1092686-003-3.00

LOG# 1 EVNSMT 7 IVAT 2 1: 24000-1 10- 191

IDENTIFICATION SECTION

1. QUAD NAME: VN6MT
2. STATE LOCATION OF QUAD: VA
3. SCALE OF QUAD: 2
4. LOG ID #: 191
- 5.1 UNPUBLISHED RECORD: COMPANY OR AGENCY NAME: ISLAND CREEK CORP
6. DIVISION OR TRACT:
7. DRILL HOLE NUMBER: CS-29
8. CONTRIBUTING COMPANY OR AGENCY: ISLAND CREEK CORP
9. CONTRIBUTING COMPANY DUHR: CS-29

COORDINATES OF HOLE OR SECTION

- 12.1 STATE CODE: VAS
- 12.2 STATE PLANE N/S: 3601336.26
- 12.3 STATE PLANE E/W: 10442947.27
- 15.1 COMPANY GRID N/S: 13640.58
- 15.2 COMPANY GRID E/W: 24215.82

CIVIL DISTRICT WHERE LOCATED

17. STATE WHERE HOLE LOCATED: VA
18. COUNTY: BUCHANAN
19. TOWNSHIP, REGISTRIAL DISTRICT, OR INCORPORATED PLACE: GARDEN
20. GROUND LOCATION DESCRIPTION: CROOKED BRANCH

BOREHOLE OR SECTION DESCRIPTION

21. ELEVATION AT TOP OF HOLE OR SECTION: F 1630.50 DRILL ANGLE 0.
22. METHOD OF ELEVATION DETERMINATION: B
23. NAME OF PERSON LOGGING: GLB
24. YEAR DRILLED OR MEASURED: 1991
25. TOTAL DEPTH OF DRILL HOLE: F 1547.000
26. BED CODE REGION IDENTIFIER: NAPP
27. CODE OF UPPERMOST IDENTIFIABLE BED: USB
28. CODE OF LOWERMOST IDENTIFIABLE BED: PCS
- 29.1 KIND OF RECORD: E
- 29.2 METHOD OF LITHO DESCRIPTION: 1(COGE)
- 30.1 UNITS OF MEASUREMENT: 2(F7)
- 30.2 METHOD(S) OF MEASUREMENT: 7(THK)

PERSON(S) LAST MODIFYING THIS LOG

31. PERSON SUBMITTING LOG FOR ENTRY: RMS
32. DATE OF LOG SUBMISSION (MM/DD/YYYY): 6/19/91
- LAST MODIFIED BY: DGL
- DATE: 9/4/1992

USER DATA:

LOG# 1 [INSET] [VA] 1.2 1: 24000.1 ID= 191

LINE	CODE	ENGLISH	COMMENTS	CUMULATIVE	UNIT
1	001	CARING ON SURFACE		303.000	303.000
2	543	GRY SS W/SH STKS		317.000	14.000
3	323	DRK GRY SH W/SS STKS		396.000	79.000
4	021	COMMON BANDED COAL		396.500	.500
* BED:USB 10 USB 10					
5	124	DRK GRY SH		401.000	4.500
6	323	DRK GRY SH W/SS STKS		415.000	14.000
7	543	GRY SS W/SH STKS		425.000	10.000
8	544	GRY MASS SS		444.000	19.000
9	543	GRY SS W/SH STKS		467.000	23.000
10	323	DRK GRY SH W/SS STKS		520.000	61.000
11	543	GRY SS W/SH STKS		533.000	25.000
12	021	COMMON BANDED COAL		534.000	1.000
* BED:GYC 10 GYC 10					
13	124	DRK GRY SH		558.000	4.000
14	323	DRK GRY SH W/SS STKS		560.000	2.000
15	124	DRK GRY SH		561.500	1.500
16	543	GRY SS W/SH STKS		592.000	30.500
17	323	DRK GRY SH W/SS STKS		618.000	26.000
18	124	DRK GRY SH		653.000	35.000
19	021	COMMON BANDED COAL		653.750	.750
* BED:MSB 20 MSB 20					
20	323	DRK GRY SH W/SS STKS		669.000	15.250
21	124	DRK GRY SH		672.500	3.500
22	021	COMMON BANDED COAL		673.000	.500
* BED:LSS 10 LSS 10					
23	124	DRK GRY SH		679.000	6.000
24	323	DRK GRY SH W/SS STKS		684.000	5.000
25	543	GRY SS W/SH STKS		690.000	6.000
26	544	GRY MASS SS		720.000	30.000
27	323	DRK GRY SH W/SS STKS		733.000	5.000
28	543	GRY SS W/SH STKS		744.000	11.000
29	323	DRK GRY SH W/SS STKS		771.200	27.200
30	021	COMMON BANDED COAL		772.500	1.300
* BED:UHF 10					
31	034	BONE		772.800	.300
32	021	COMMON BANDED COAL		773.150	.350
33	034	BONE		773.450	.300
34	021	COMMON BANDED COAL		773.800	.350
35	124	DRK GRY SH		775.150	1.350
36	021	COMMON BANDED COAL		775.350	.200
* BED:UHF 10					
37	323	DRK GRY SH W/SS STKS		794.000	18.650
38	544	GRY MASS SS		799.000	5.000
39	021	COMMON BANDED COAL		799.500	.500
* BED:UHF 20 UHF 20					
40	543	GRY SS W/SH STKS		821.000	21.500
41	034	BONE		821.500	.500
42	323	DRK GRY SH W/SS STKS		830.500	9.000
43	034	BONE		831.800	1.300
* BED:MHP 10 MHP 10					

LOG=[] IVNSHT 1 IVAI [2 1: 26000.1 10= 191

LINE	CODE	ENGLISH	COMMENTS	CUMULATIVE	UNIT
44	323	DRK GRY SH W/SS STKS		850.000	12.200
45	543	GRY SS W/SH STKS		855.500	5.500
46	323	DRK GRY SH W/SS STKS		860.000	4.500
47	544	GRY MASS SS		875.000	15.000
48	543	GRY SS W/SH STKS		881.000	6.000
49	544	GRY MASS SS		890.000	9.000
50	323	DRK GRY SH W/SS STKS		915.000	25.000
51	544	GRY MASS SS		920.250	13.250
52	021	COMMON BANDED COAL		929.000	.750
* BED:WRC 10 WRC 10					
53	124	DRK GRY SH		938.250	9.250
54	021	COMMON BANDED COAL		939.000	.750
* BED:WRC 15 WRC 15					
55	124	DRK GRY SH		947.000	8.000
56	543	GRY SS W/SH STKS		954.000	7.000
57	323	DRK GRY SH W/SS STKS		963.750	9.750
58	021	COMMON BANDED COAL		964.500	.750
* BED:WRC 20 WRC 20					
59	323	DRK GRY SH W/SS STKS		971.000	6.500
60	543	GRY SS W/SH STKS		975.000	4.000
61	544	GRY MASS SS		991.000	16.000
62	543	GRY SS W/SH STKS		1004.900	13.900
63	021	COMMON BANDED COAL		1005.400	.500
* BED:LHP 10 LHP 10					
64	114	BLK SH		1009.100	3.700
65	034	BONE		1009.350	.250
66	114	BLK SH		1011.750	2.400
67	021	COMMON BANDED COAL		1011.950	.200
* BED:LHP 20					
68	034	BONE		1012.100	.150
69	021	COMMON BANDED COAL		1013.300	1.200
* BED:LHP 20					
70	124	DRK GRY SH		1013.000	1.700
71	543	GRY SS W/SH STKS		1024.000	9.000
72	323	DRK GRY SH W/SS STKS		1033.000	29.000
73	543	GRY SS W/SH STKS		1056.000	3.000
74	323	DRK GRY SH W/SS STKS		1075.100	19.100
75	021	COMMON BANDED COAL		1076.600	1.500
* BED:PC9 10					
76	034	BONE		1076.900	.300
77	021	COMMON BANDED COAL		1077.200	.300
78	124	DRK GRY SH		1078.400	1.200
79	021	COMMON BANDED COAL		1078.600	.200
80	124	DRK GRY SH		1079.900	.300
81	021	COMMON BANDED COAL		1079.200	.300
* BED:PC9 10					
82	323	DRK GRY SH W/SS STKS		1084.000	4.800
83	543	GRY SS W/SH STKS		1100.000	76.000
84	323	DRK GRY SH W/SS STKS		1164.000	6.000
85	124	DRK GRY SH		1175.000	11.000

LOG#1 J LVNSHT J (VA) 1 2 7: 24000.2 (S= 12)

LINE	CODE	ENGLISH	COMMENTS	CUMULATIVE	UNIT
86	114	BLK SH		1180.500	5.500
87	034	BONE		1181.250	.750
* BED:PC7 10 PC7 10					
88	323	DRK GRY SH W/SS STKS		1185.000	3.750
89	543	GRY SS W/SH STKS		1198.000	13.000
90	554	XTLIZED MASS SS		1251.000	53.000
91	323	DRK GRY SH W/SS STKS		1254.000	3.000
92	563	HARD SS W/SH STKS		1260.000	6.000
93	323	DRK GRY SH W/SS STKS		1268.000	8.000
94	563	HARD SS W/SH STKS		1283.000	15.000
95	554	XTLIZED MASS SS		1349.500	66.500
96	021	COMMON BANDED COAL		1350.000	.500
* BED:PCS 10 PCS 10					
97	323	DRK GRY SH W/SS STKS		1362.000	12.000
98	124	DRK GRY SH		1366.000	4.000
99	323	DRK GRY SH W/SS STKS		1372.000	6.000
100	124	DRK GRY SH		1378.250	6.250
101	021	COMMON BANDED COAL		1377.250	1.000
* BED:PCS 20 PCS 20					
102	323	DRK GRY SH W/SS STKS		1381.000	3.750
103	543	GRY SS W/SH STKS		1388.000	7.000
104	563	HARD SS W/SH STKS		1420.000	32.000
105	564	HARD MASS SS		1439.300	19.300
106	034	BONE		1440.100	.800
107	323	DRK GRY SH W/SS STKS		1444.800	4.700
108	034	BONE		1447.000	.200
* BED:PC4 10					
109	021	COMMON BANDED COAL		1447.900	.900
110	124	DRK GRY SH		1448.100	.200
111	034	BONE		1448.300	.200
* BED:PC4 10					
112	323	DRK GRY SH W/SS STKS		1457.000	8.700
113	543	GRY SS W/SH STKS		1472.000	15.000
114	323	DRK GRY SH W/SS STKS		1481.000	9.000
115	543	GRY SS W/SH STKS		1486.000	5.000
116	323	DRK GRY SH W/SS STKS		1497.650	11.650
117	021	COMMON BANDED COAL		1498.500	.850
* BED:PCS 10 PCS 10					
118	034	BONE		1499.250	.750
119	021	COMMON BANDED COAL		1499.950	.700
* BED:PCS 20					
120	034	BONE		1500.200	.250
121	021	COMMON BANDED COAL		1501.400	1.200
122	034	BONE		1501.800	.400
123	021	COMMON BANDED COAL		1502.100	.300
* BED:PCS 20					
124	124	DRK GRY SH		1503.050	.950
125	021	COMMON BANDED COAL		1504.200	1.150
* BED:PCS 30 PCS 30					
126	124	DRK GRY SH		1509.150	4.950

PAGE: 5 OWNER NAME: ISLAND CREEK CORPORATION
ALL DEPTH/THICKNESS DATA IN FEET

SERIAL NUM:IC1092686-003-3.00

LOG#(1 (VMSNT) (VAT) (2 1: 24000.3 10: 191

LINE	CODE	ENGLISH	COMMENTS	CUMULATIVE	UNIT
127	034	SOME		1509.750	.800
		" BED:PCS 40 PCS 40			
128	323	DRK GRY SH M/SS STKS		1547.000	37.250