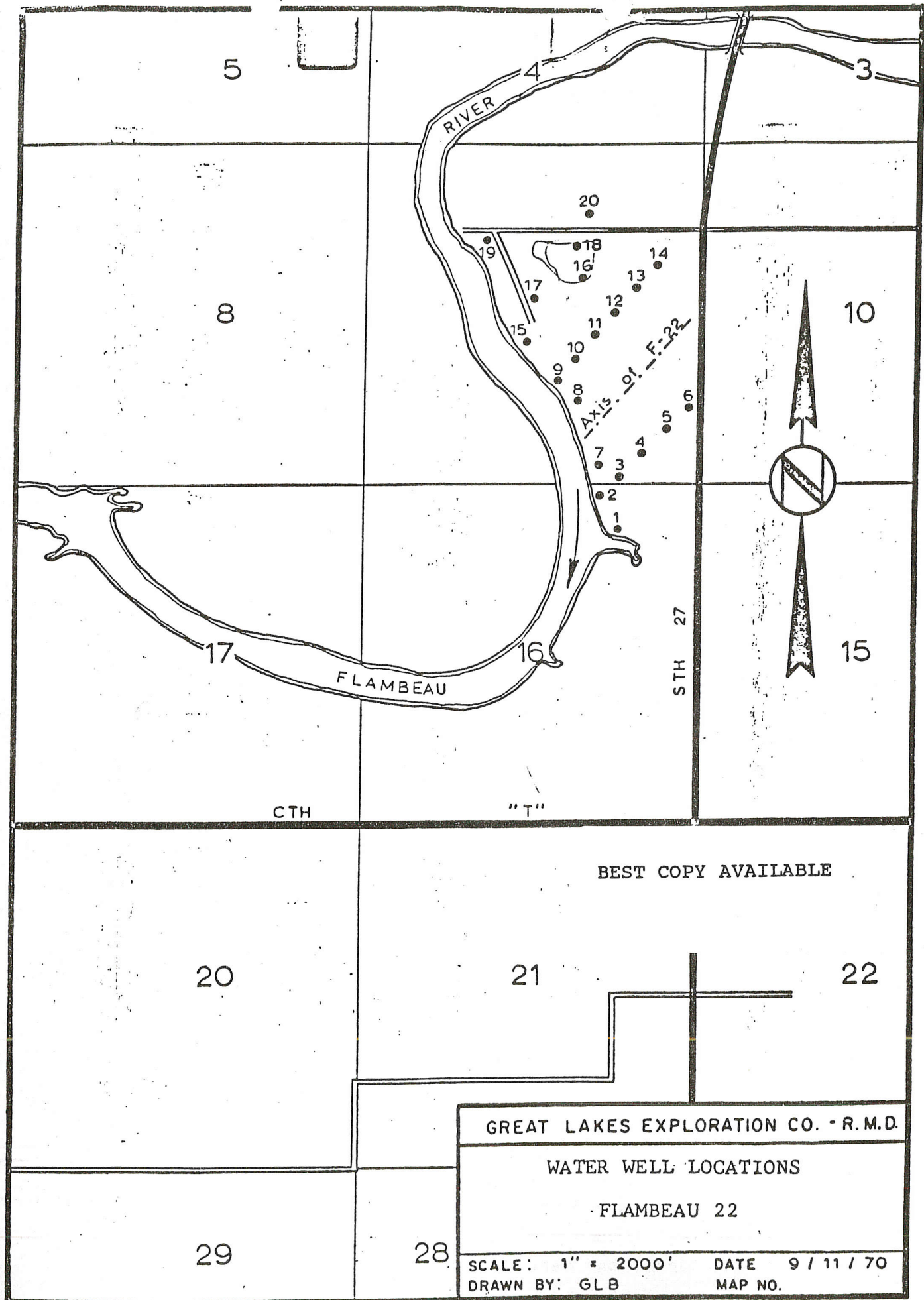
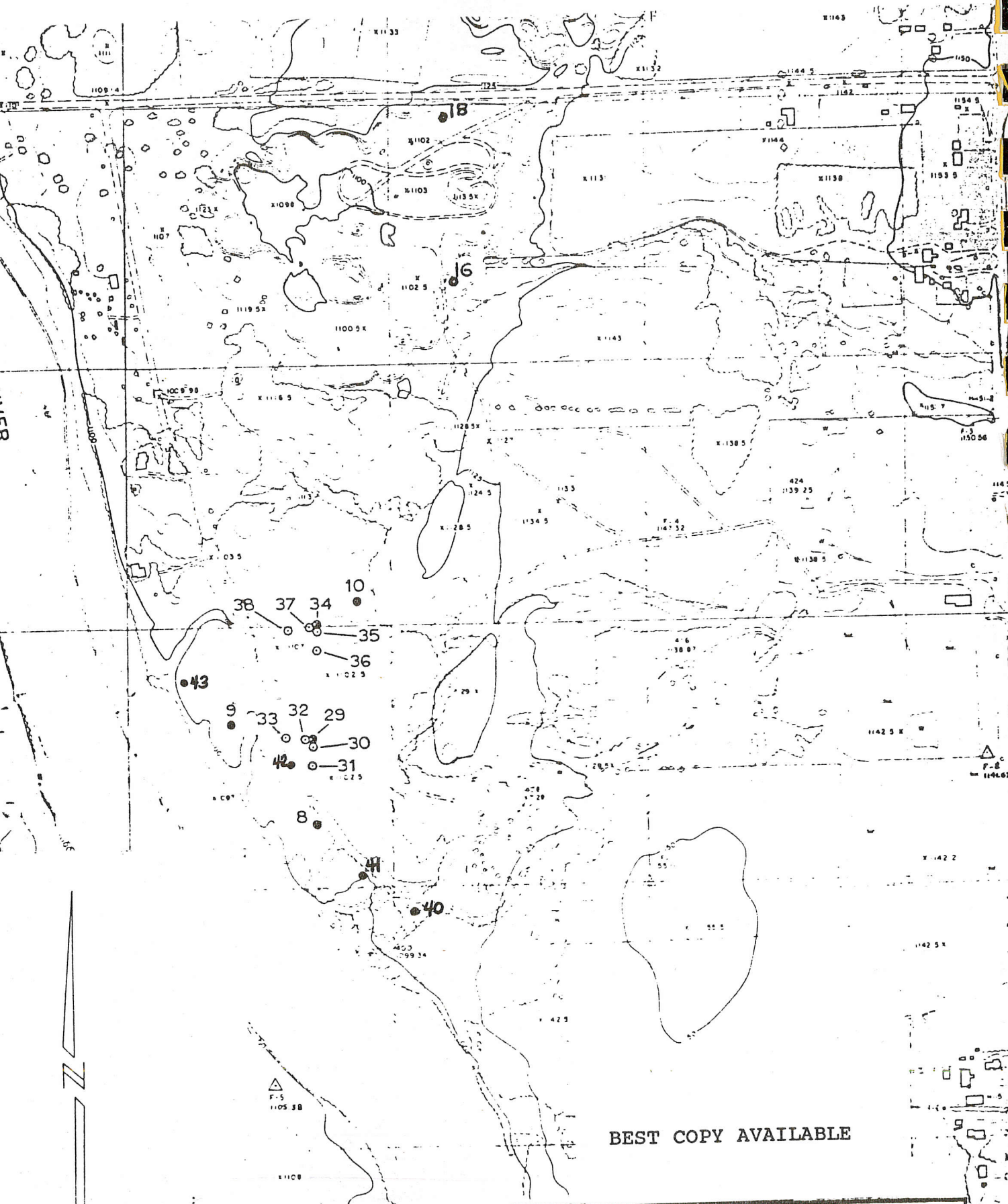


APPENDIX 3.5-C

Logs of Water Wells Completed in 1970, 1971 and 1972





BEST COPY AVAILABLE

LEGEND

- = 1971 Observation Wells
- = Pump Test Wells
- = 1970 Observation Wells

FLAMBEAU MINING CORP.

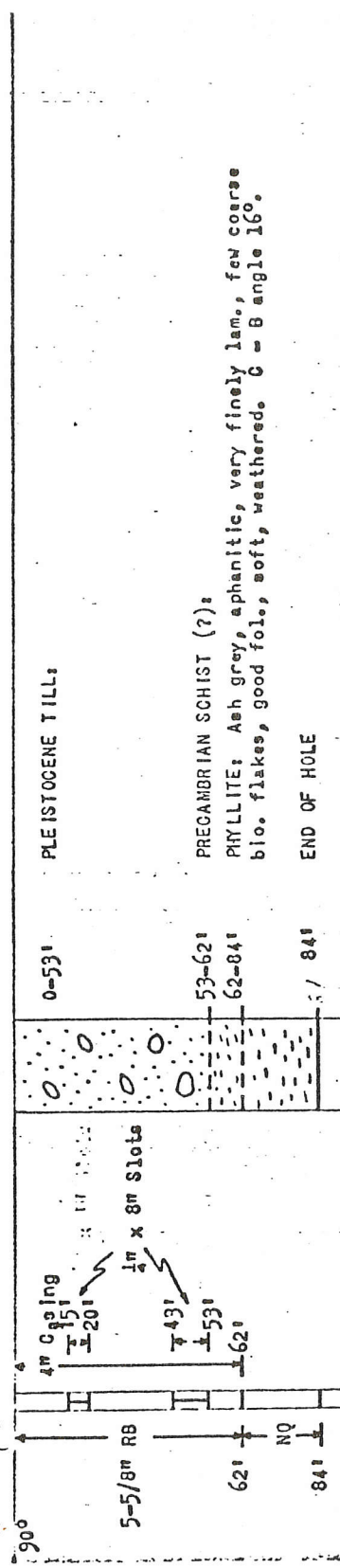
**TEST WELLS 1971
and 1972**

SCALE: 1" = 500' DATE 3/15/71

**GREAT LAKES EXPLORATION
FLAMBEAU 22
Well No 1 (ow-1)
F+VD 2/81**

SECTION COORDINATES 38,383.93 N, 39,841.78 E
 AZIMUTH DATE STARTED 8/14/70
 ELEVATION COMPLETED 8/17/70
 LENGTH OF HOLE 84 ft.
 % RECOVERY

INCLINATION
 ORE SIZE
 GEOLOGIC COLUMN
 DESCRIPTION



BEST COPY AVAILABLE

GREAT LAKES EXPLORATION

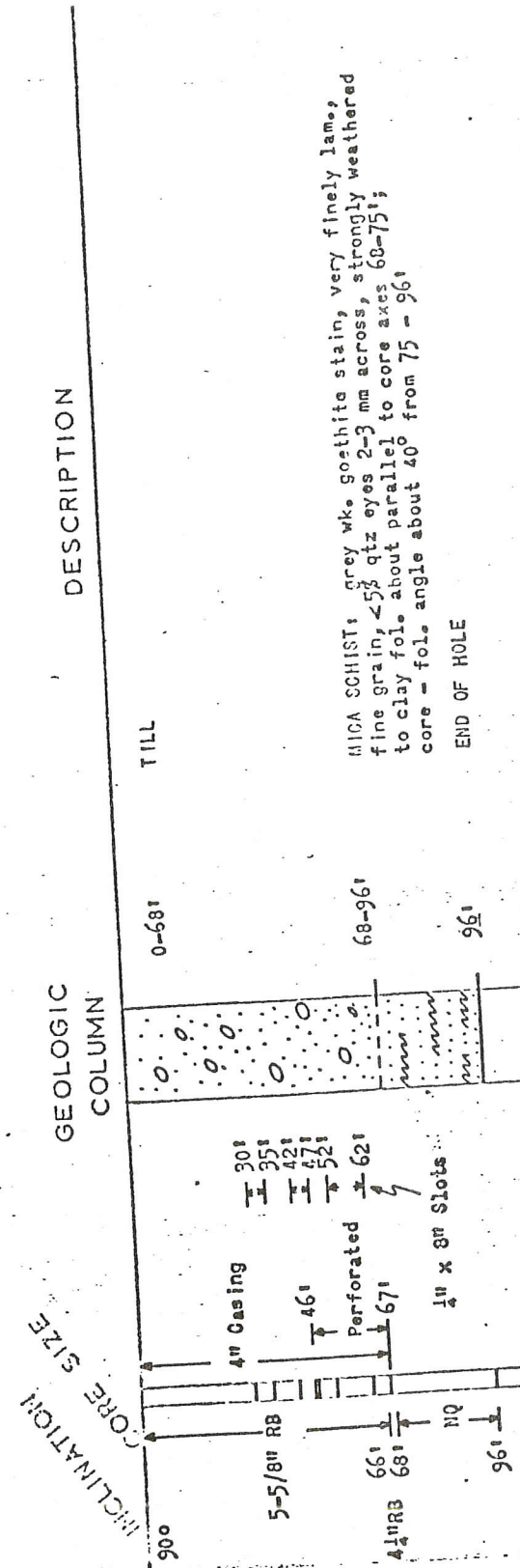
FLAMBEAU 22

Well No 2-S (OW-2) FWD 2/69

DATE STARTED 7/9/70
DATE COMPLETED 7/13/70

LENGTH OF HOLE 96 ft.

% RECOVERY



GREAT LAKES EXPLORATION

FLAMBEAU 22

Well No 3 (OW-3) FWD 2/69

SECTION COORDINATES 39,397.76 N, 40,004.73 E

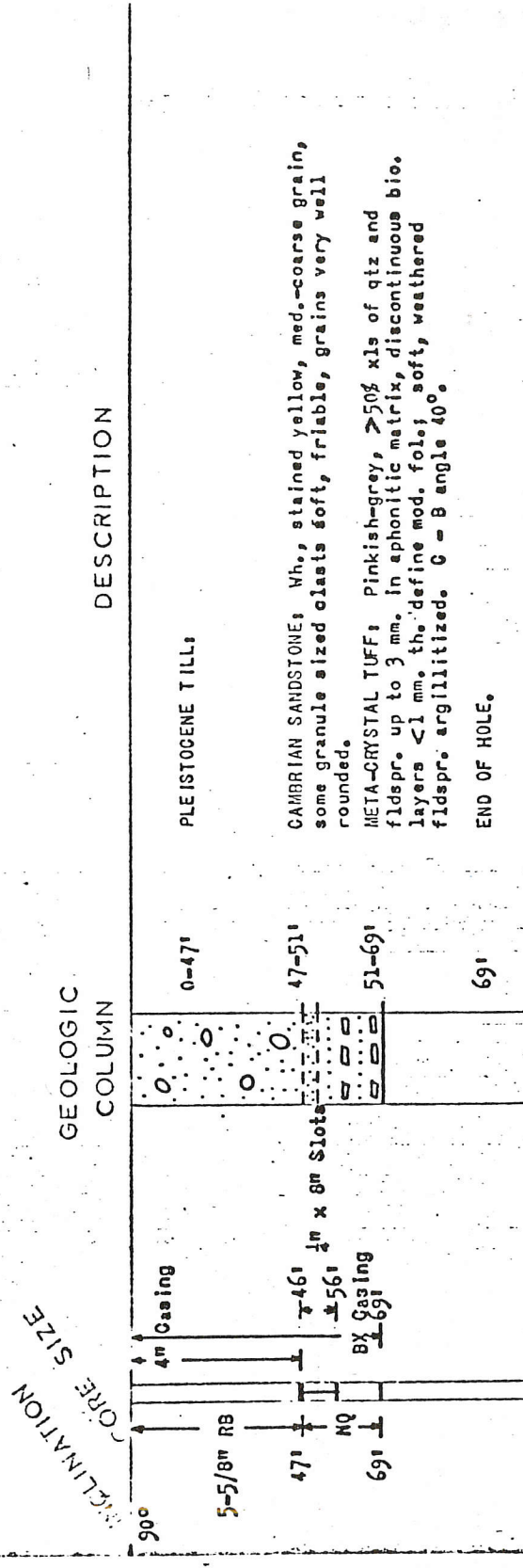
AZIMUTH

ELEVATION 1133.50 ft.

DATE STARTED 8/13/70
DATE COMPLETED 8/14/70

LENGTH OF HOLE 69 ft.

% RECOVERY



GREAT LAKES EXPLORATION

FLAMBEAU 22

Well No 4-S (OW-4) F+VD 2/89

DATE STARTED 7/6/70
DATE COMPLETED 7/8/70

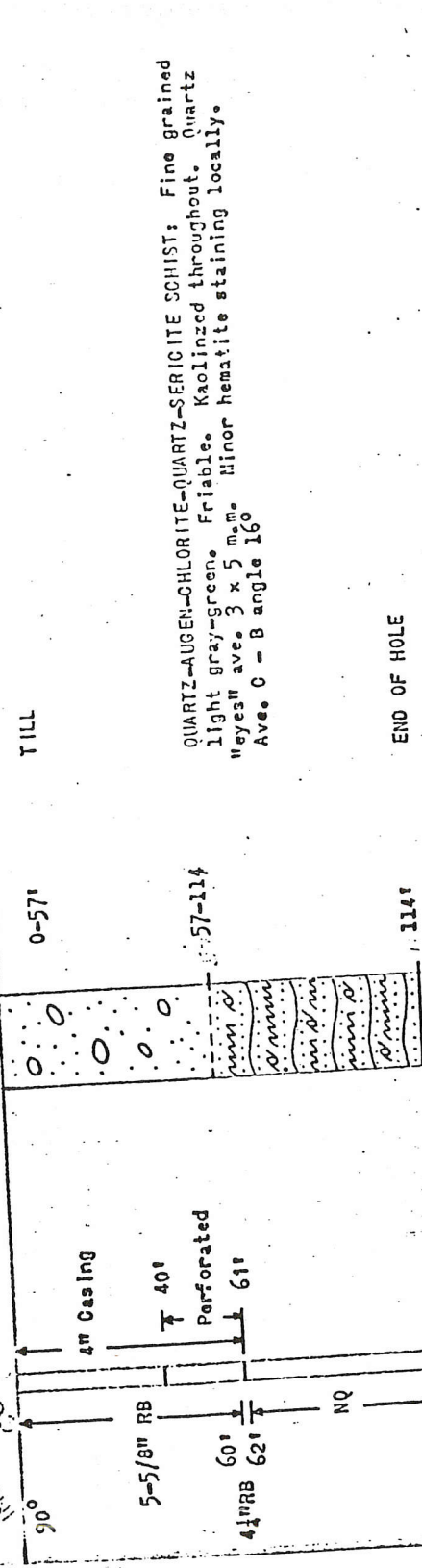
LENGTH OF HOLE 114 ft.
% RECOVERY

SECTION COORDINATES
AZIMUTH
ELEVATION

INCLINATION
CORE SIZE

GEOLOGIC COLUMN

DESCRIPTION



GREAT LAKES EXPLORATION

FLAMBEAU 22

Well No 5-T (ow-5) 2/89

DATE STARTED 6/29/70
DATE COMPLETED 7/6/70

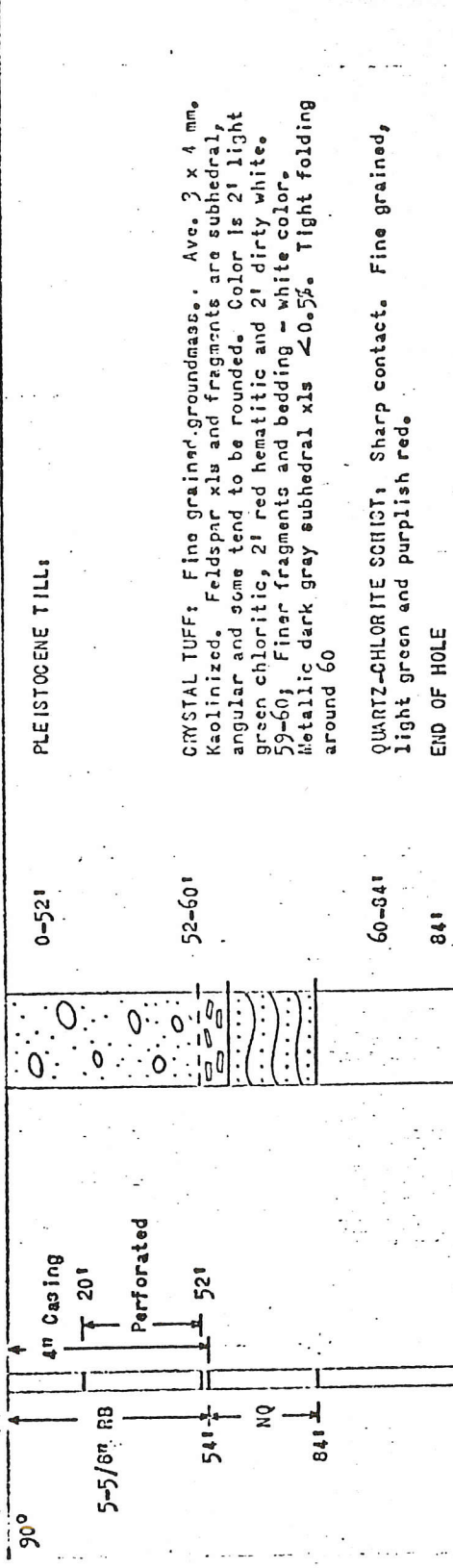
LENGTH OF HOLE 84 ft.
% RECOVERY

SECTION COORDINATES ~ N 40, 110 E 40, 710
AZIMUTH
ELEVATION

INCLINATION
CORE SIZE

GEOLOGIC COLUMN

DESCRIPTION



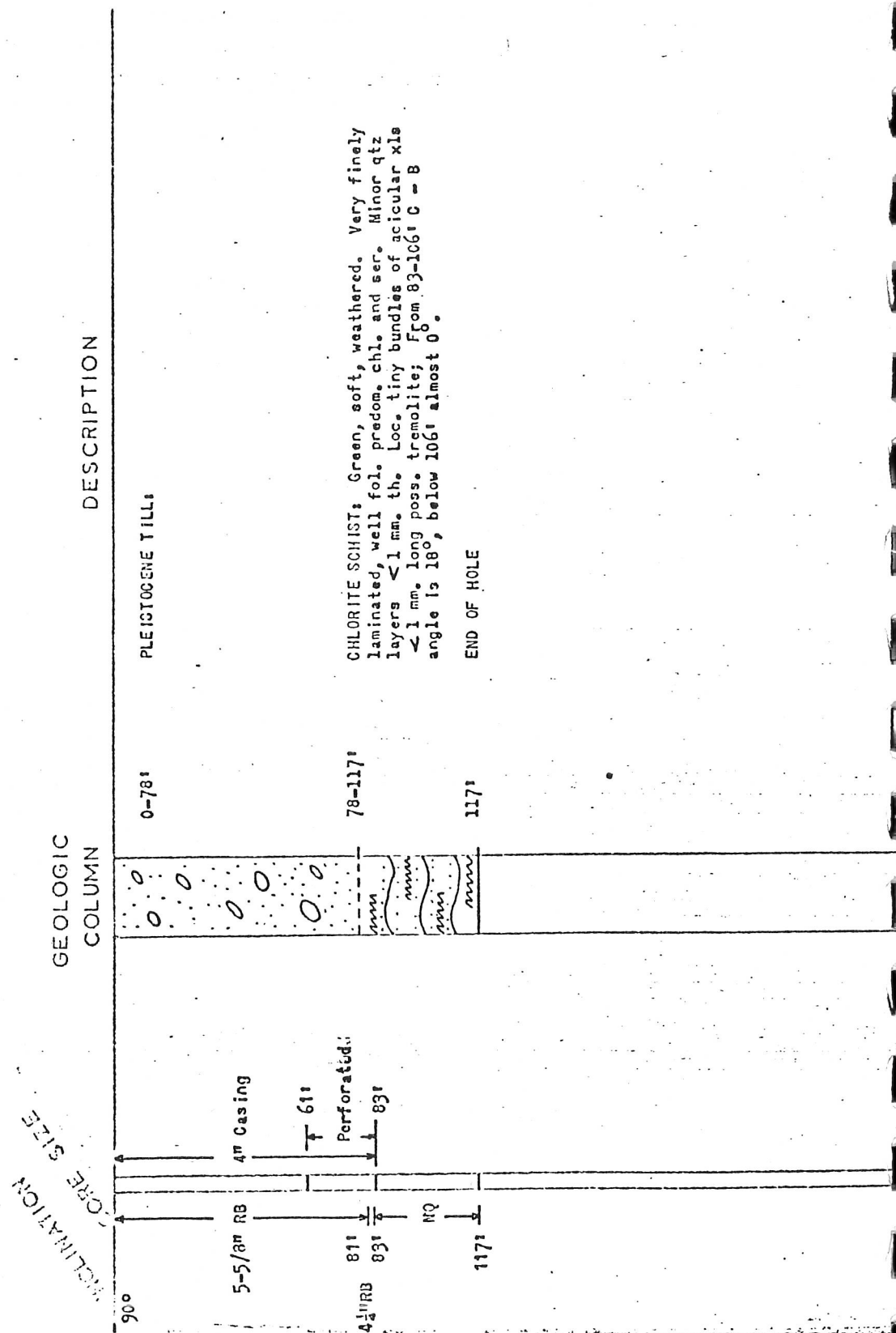
GREAT LAKES EXPLORATION
FLAMBEAU 22

Well No 6-S (OW-6) F+VD 2/89

SECTION COORDINATES ~ N 40, 375 E 40, 975 F+VD 1/89 DATE STARTED 6/1/70 COMPLETED 6/26/70

LENGTH OF HOLE 117 ft.

% RECOVERY



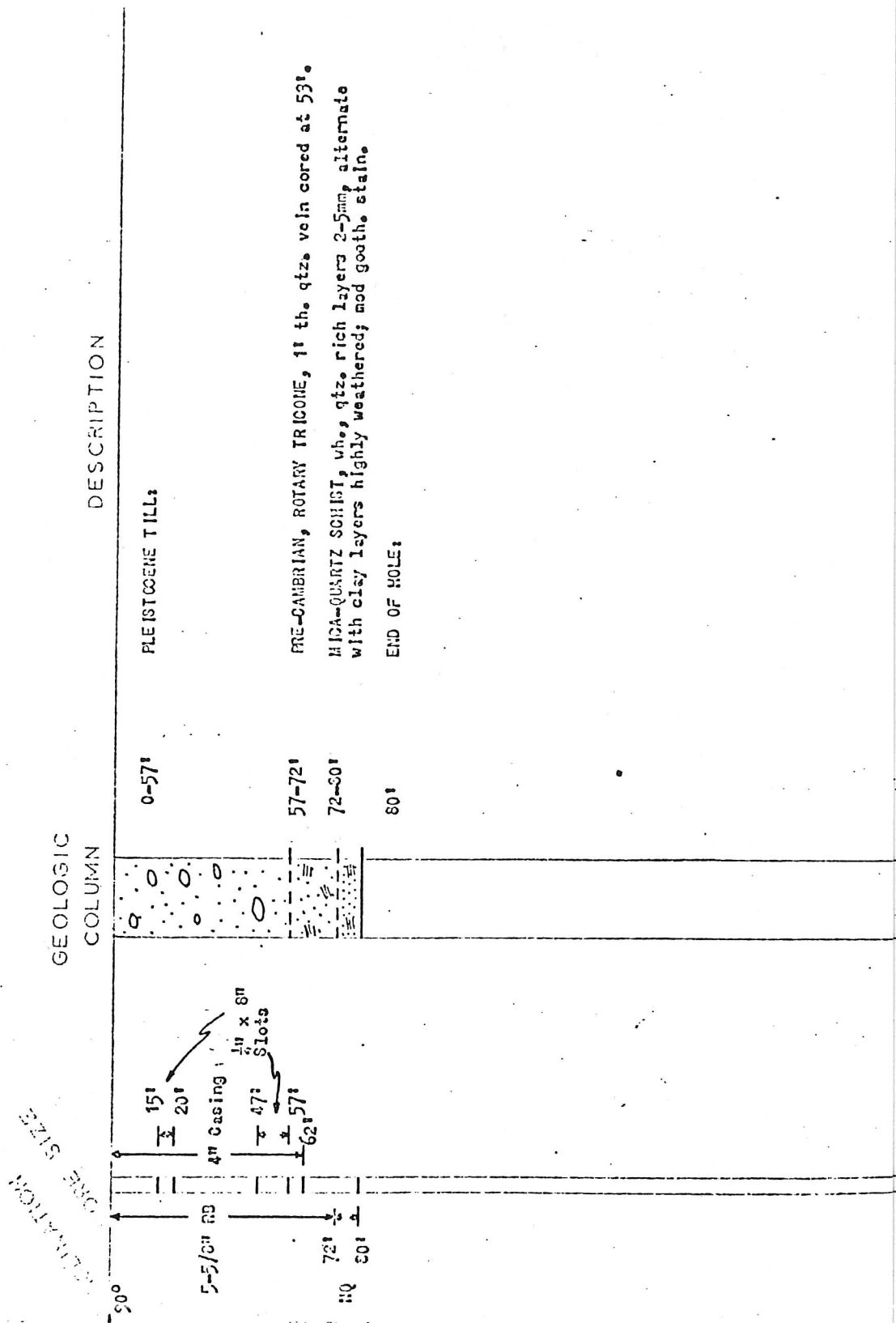
GREAT LAKES EXPLORATION
FLAMBEAU 22

Well No 7-T (OW-7) F+VD 2/89

SECTION COORDINATES AZIMUTH ELEVATION DATE STARTED 7/14/70 COMPLETED 7/16/70

LENGTH OF HOLE 80 ft.

% RECOVERY



GREAT LAKES EXPLORATION

FLAMBEAU 22

Well No 8-T (OW-8)
F+VD 2/89

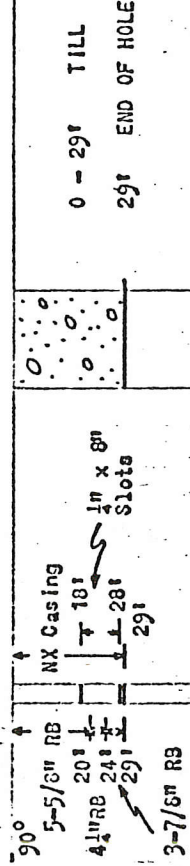
SECTION
COORDINATES
AZIMUTH
ELEVATION

DATE STARTED 7/17/70
DATE COMPLETED 7/20/70
LENGTH OF HOLE 29 ft.
% RECOVERY

INCLINATION
CORE SIZE

GEOLOGIC COLUMN

DESCRIPTION



GREAT LAKES EXPLORATION

FLAMBEAU 22

Well No 9-S (OW-9)
F+VD 2/89

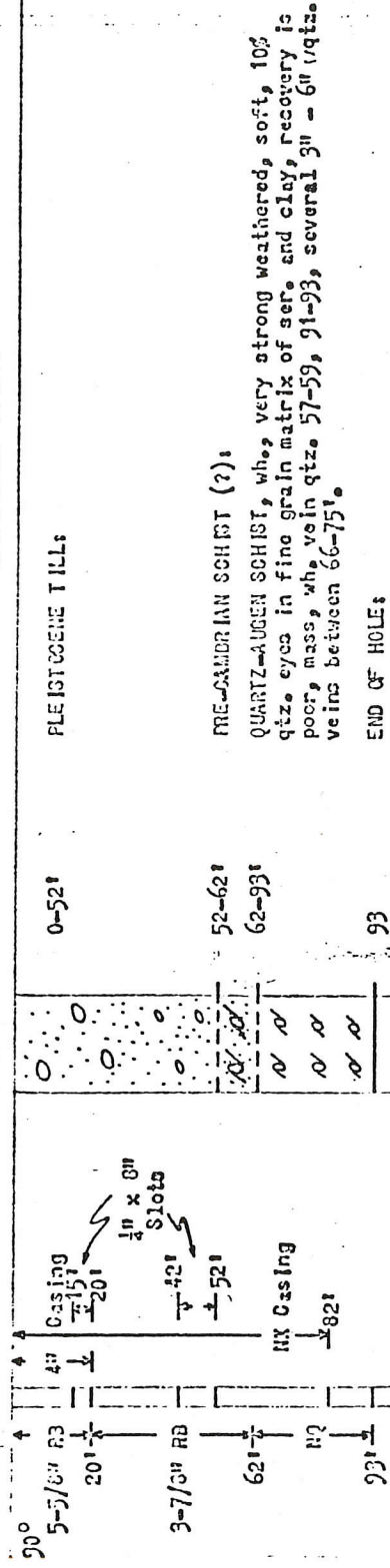
SECTION
COORDINATES
AZIMUTH
ELEVATION

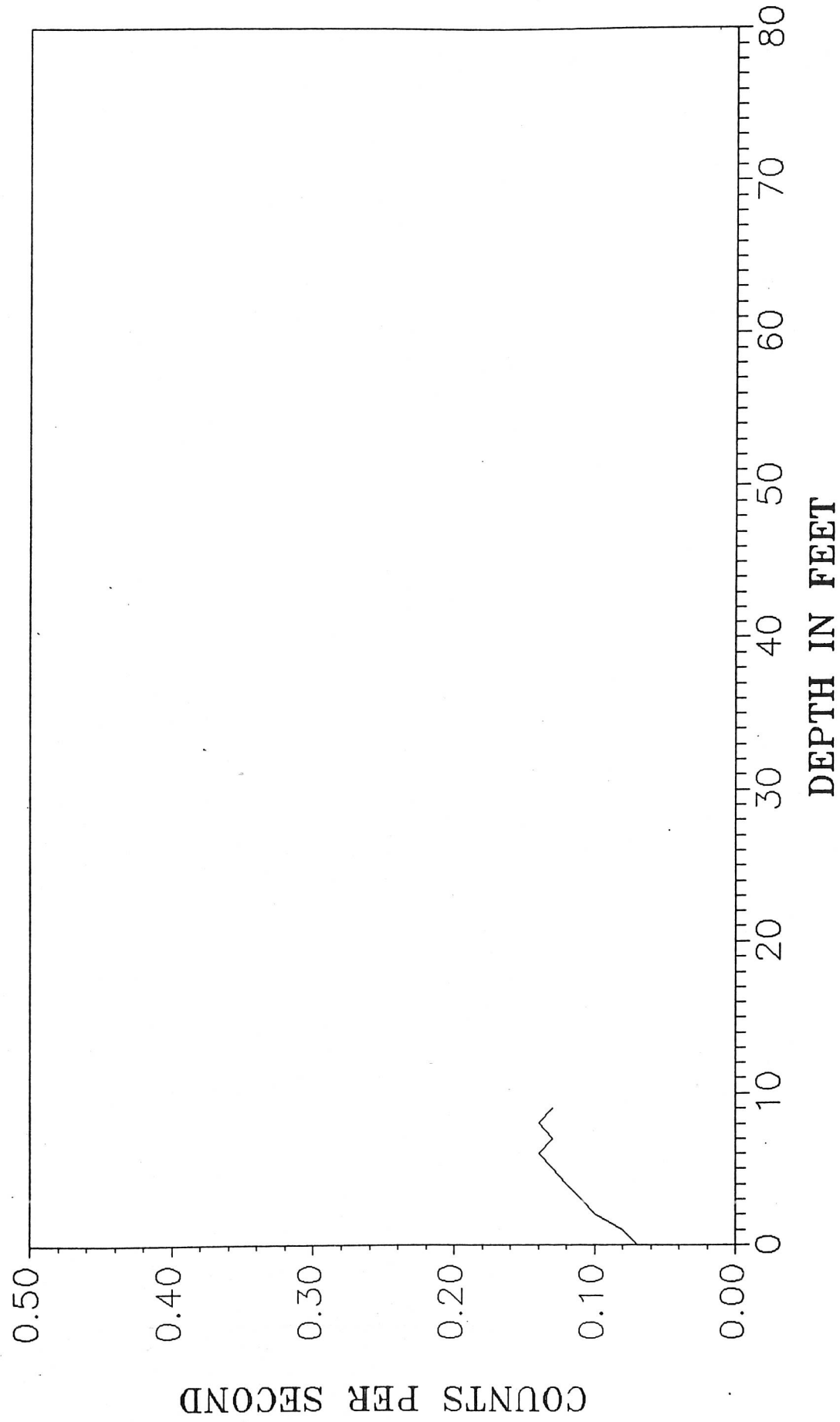
DATE STARTED 7/21/70
DATE COMPLETED 7/22/70
LENGTH OF HOLE 93 ft.
% RECOVERY

INCLINATION
CORE SIZE

GEOLOGIC COLUMN

DESCRIPTION



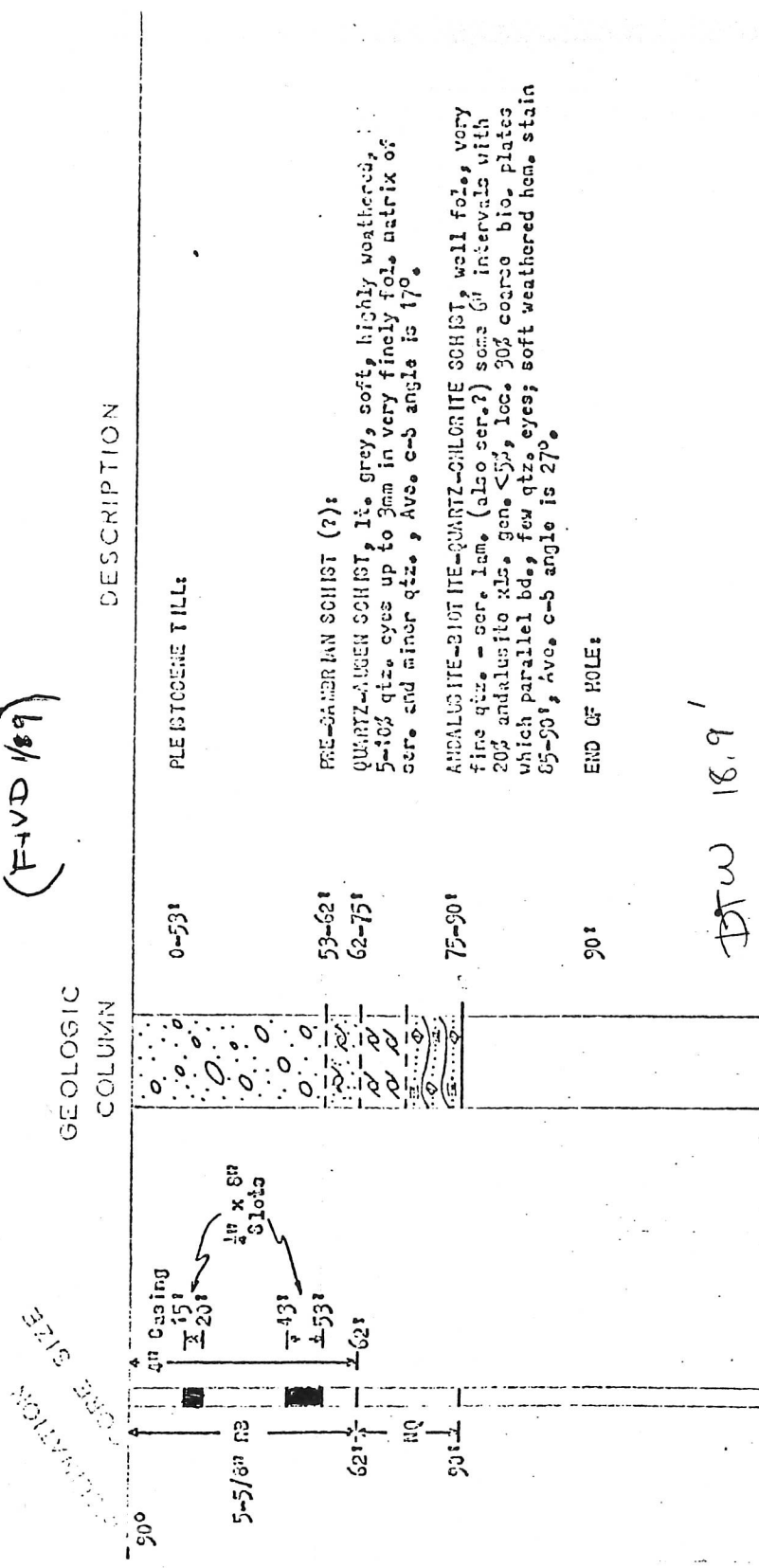


DATA TAKEN 1-13-89 BY BJS
 TIME CONSTANT = 5 SECONDS
 RANGE SETTING = 20 K

No		REVISIONS	NOTES	APPROVAL	DATE
△				DESIGNED BY	
△				DRAWN BY	SJL
△				CHECKED BY	2/89
△				APPROVED BY	
△				CAD No.	
			SCALE AS SHOWN	Job No	Dwg No
			FOTH & VAN DYKE		KENNECOTT MINERALS COMPANY
			GEOSCIENCES & ENVIRONMENTAL MANAGEMENT DIVISION		FLAMBEAU PROJECT
			GREEN BAY, WISCONSIN		LADYSMITH, WISCONSIN
					GAMMA LOG
					WELL OW-9

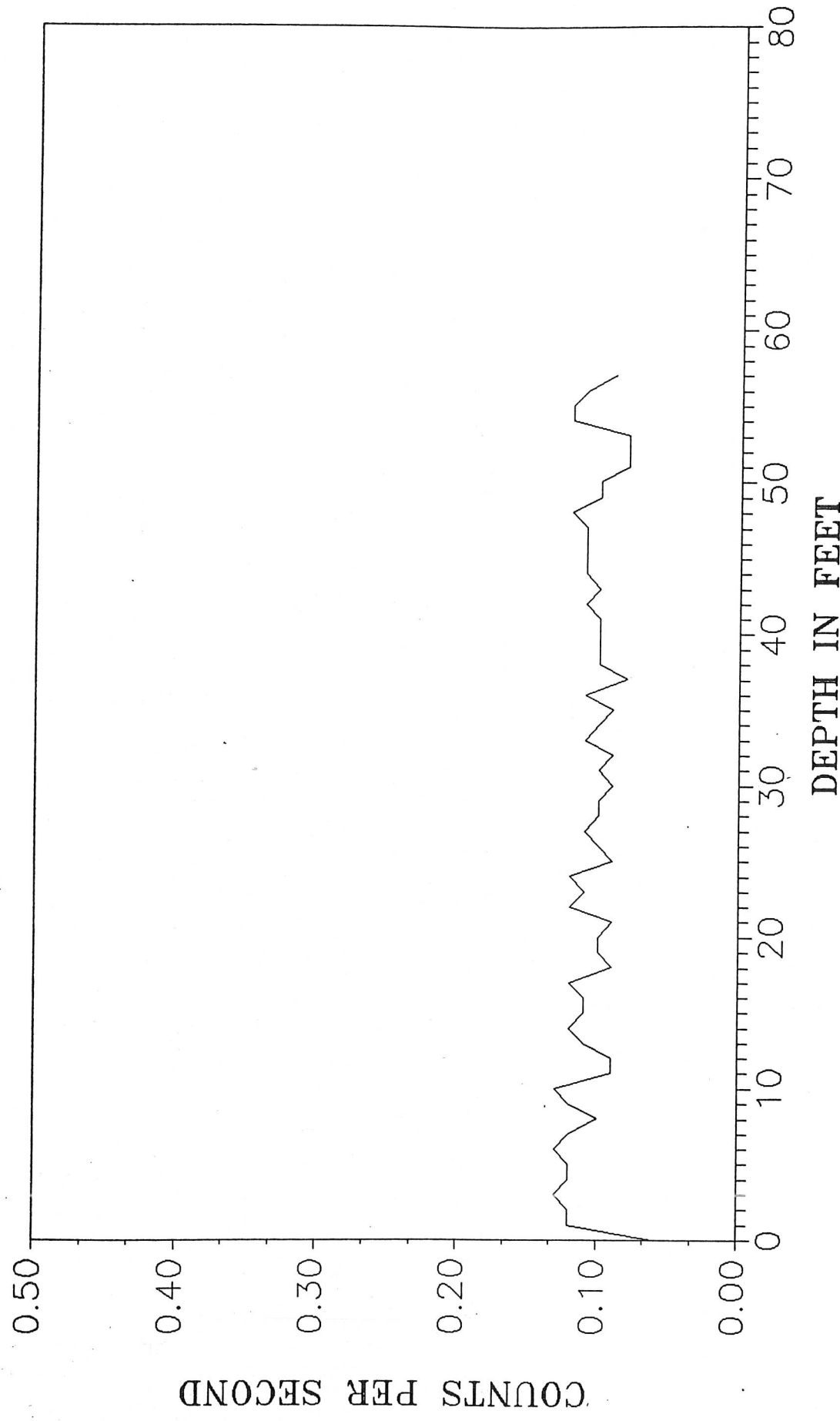
GREAT LAKES EXPLORATION
 FLAMBEAU 2.2
 Well No 10-T (OW-10)
 FVD 2/89

SECTION COORDINATES
 AZIMUTH
 ELEVATION 111.88 gnd 112.23 casing (FVD 1/89)
 DATE STARTED 7/22/70
 COMPUTED 7/23/70
 LENGTH OF HOLE 90 ft.
 % RECOVERY



END OF HOLE:

DW 18.9'



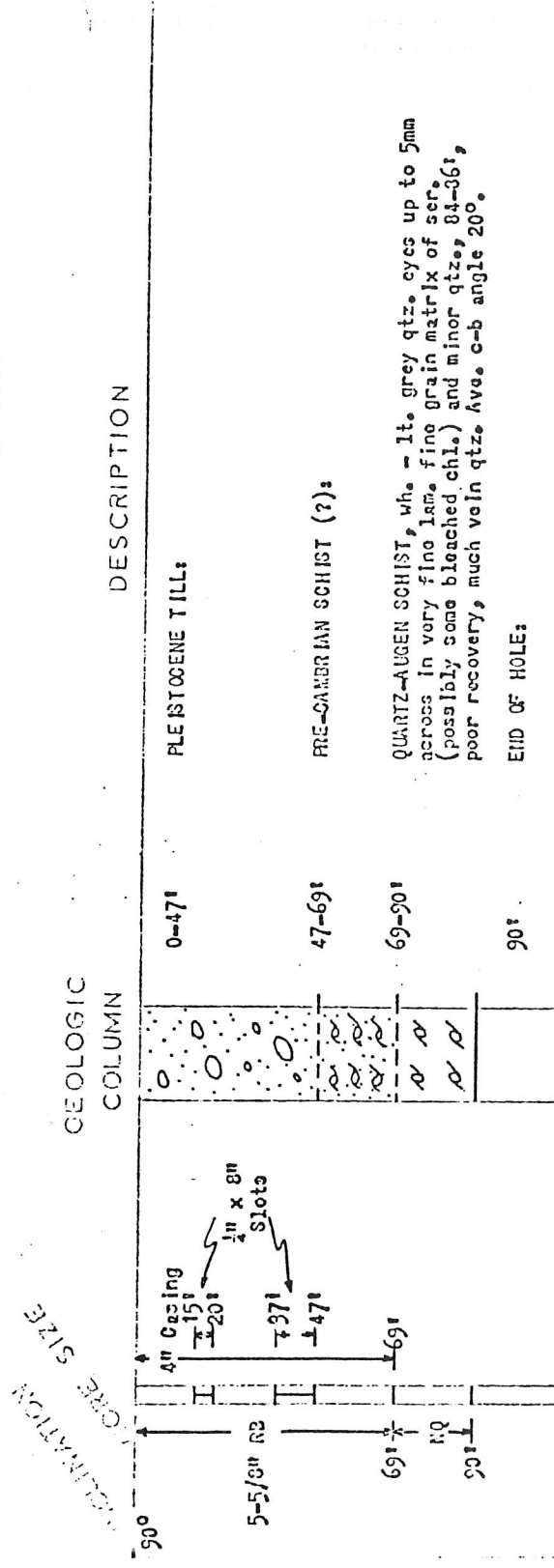
DEPTH IN FEET

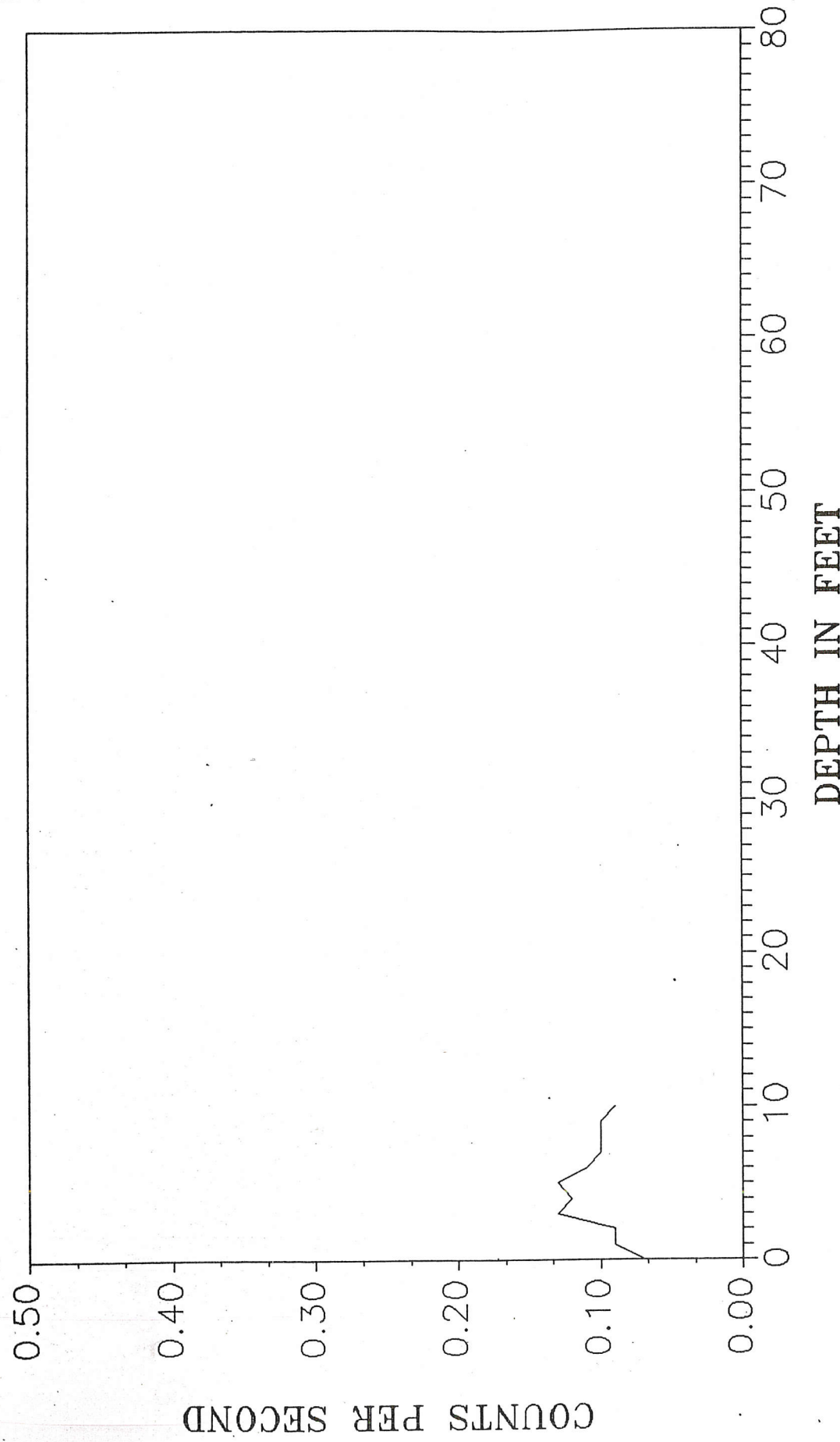
DATA TAKEN 1-13-89 BY BJS
 TIME CONSTANT = 5 SECONDS
 RANGE SETTING = 20 K

FOTH & VAN DYKE GEOLOGICAL & ENVIRONMENTAL MANAGEMENT DIVISION GREEN BAY, WISCONSIN		KENNECOTT MINERALS COMPANY FLAMBEAU PROJECT LADYSMITH, WISCONSIN	
NOTES		APPROVAL	DATE
DESIGNED BY	SJL	DESIGNED BY	2/89
CHECKED BY		CHECKED BY	
APPROVED BY		APPROVED BY	
CAD No.		SCALE AS SHOWN	Job No
			Dwg No
			REV

GREAT LAKES EXPLORATION
 FLAMBEAU 22
 Well No 11-3 (ow-11)
 F+VD 2/89

SECTION -
 COORDINATES 41,344.8 N, 39,117.7 E
 AZIMUTH
 ELEVATION 1125.00 ft.
 DATE STARTED 7/23/70
 COMPLETED 7/28/70
 LENGTH OF HOLE 90 ft.
 % RECOVERY





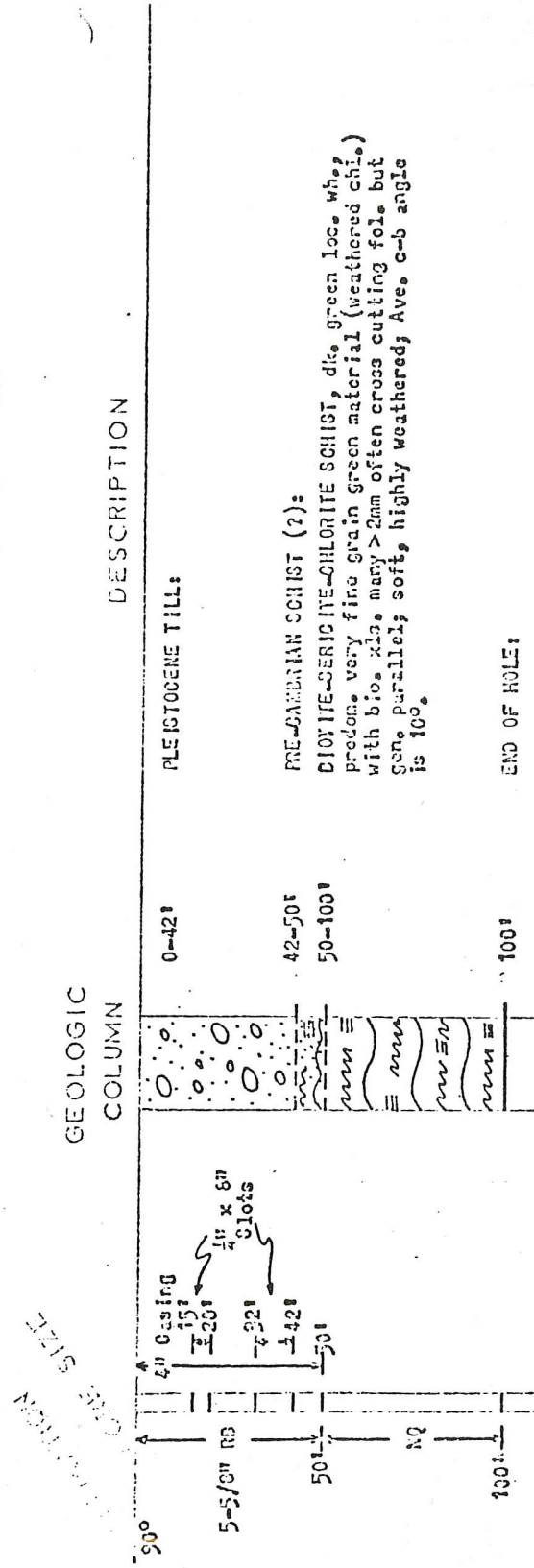
DATA TAKEN 1-13-89 BY BJS
 TIME CONSTANT = 5 SECONDS
 RANGE SETTING = 20 K

NO		REVISIONS	NOTES	APPROVAL		DATE
△				DESIGNED BY		
△				DRAWN BY	SJL	2/89
△				CHECKED BY		
△				APPROVED BY		
△				CAD No.		
				SCALE AS SHOWN	Job No	REV
				FOTH & VAN DYKE GEOSCIENCES & ENVIRONMENTAL MANAGEMENT DIVISION GREEN BAY, WISCONSIN		KENNECOTT MINERALS COMPANY FLAMBEAU PROJECT LADYSMITH, WISCONSIN
						GAMMA LOG WELL OW-11

GREAT LAKES EXPLORATION
 FLAMBEAU 22
 Well No 12-T (ow-12)
 FVD 2/89

SECTION
 COORDINATES
 AZIMUTH
 ELEVATION

DATE STARTED 7/28/70
 DATE COMPLETED 7/28/70
 LENGTH OF HOLE 100 ft.
 % RECOVERY



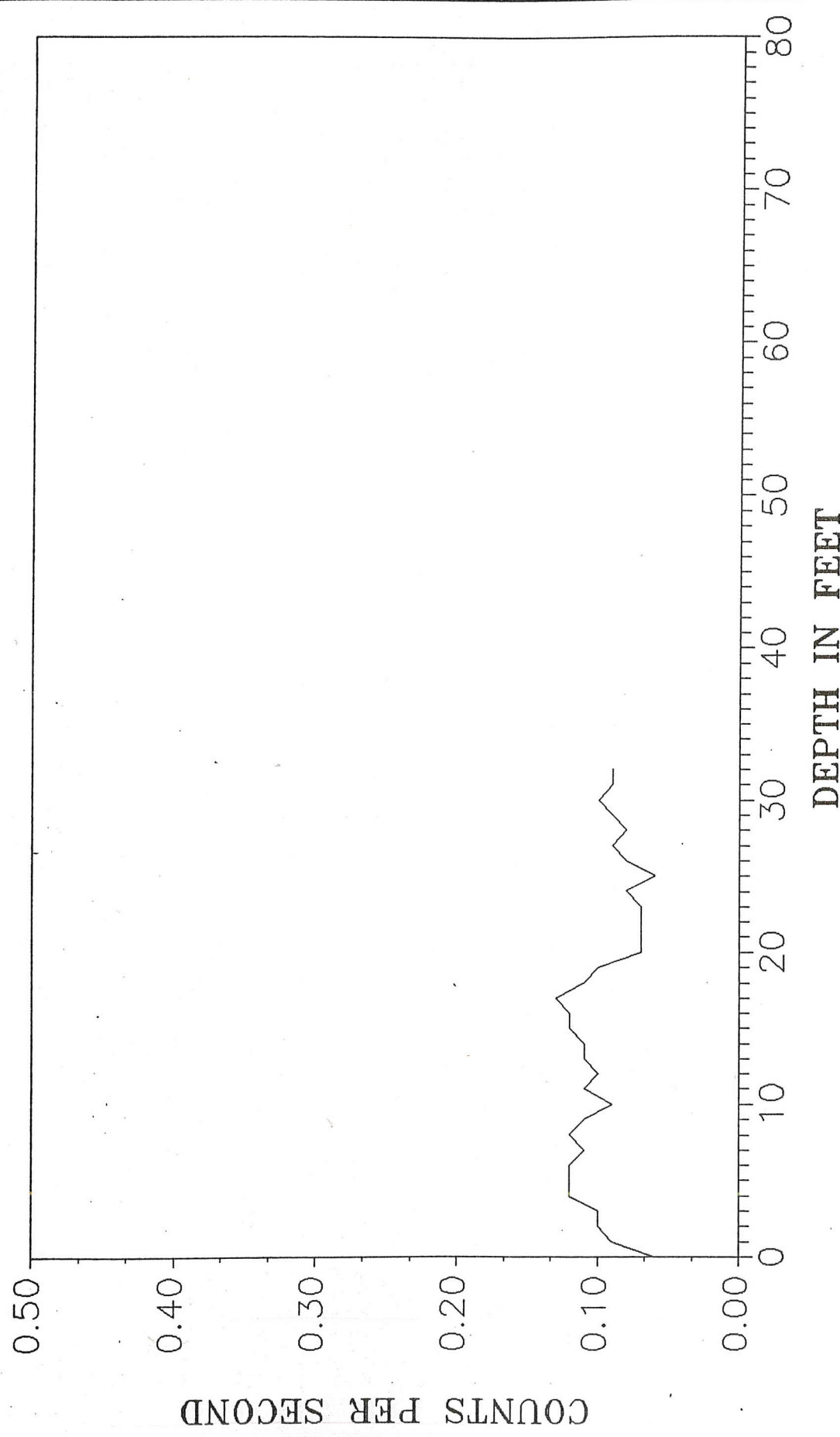
GEOLOGIC COLUMN

DESCRIPTION

PLEISTOCENE TILL:
 0-42'

PRE-CAMBRIAN SCHIST (?):
 42-50'
 50-100'
 BIOTITE-SERICITE-CHLORITE SCHIST, dk. green loc. wh. predom. very fine grain green material (weathered chi.) with bio. xls. many > 2mm often cross cutting fol. but some parallel; soft, highly weathered, Ave. c-b angle is 10°.

END OF HOLE:



DATA TAKEN 1-13-89 BY BJS
 TIME CONSTANT = 5 SECONDS
 RANGE SETTING = 20 K

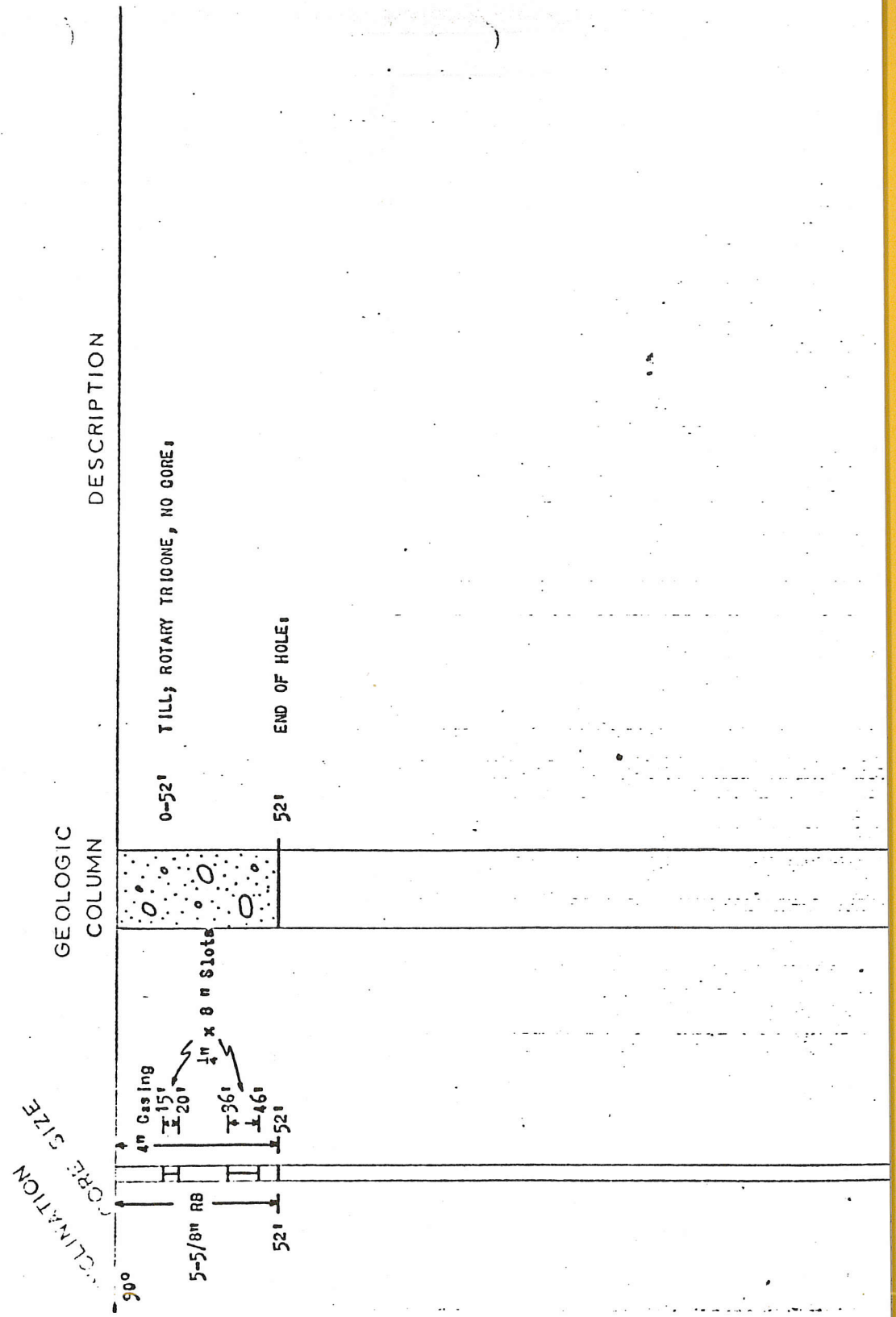
DEPTH IN FEET

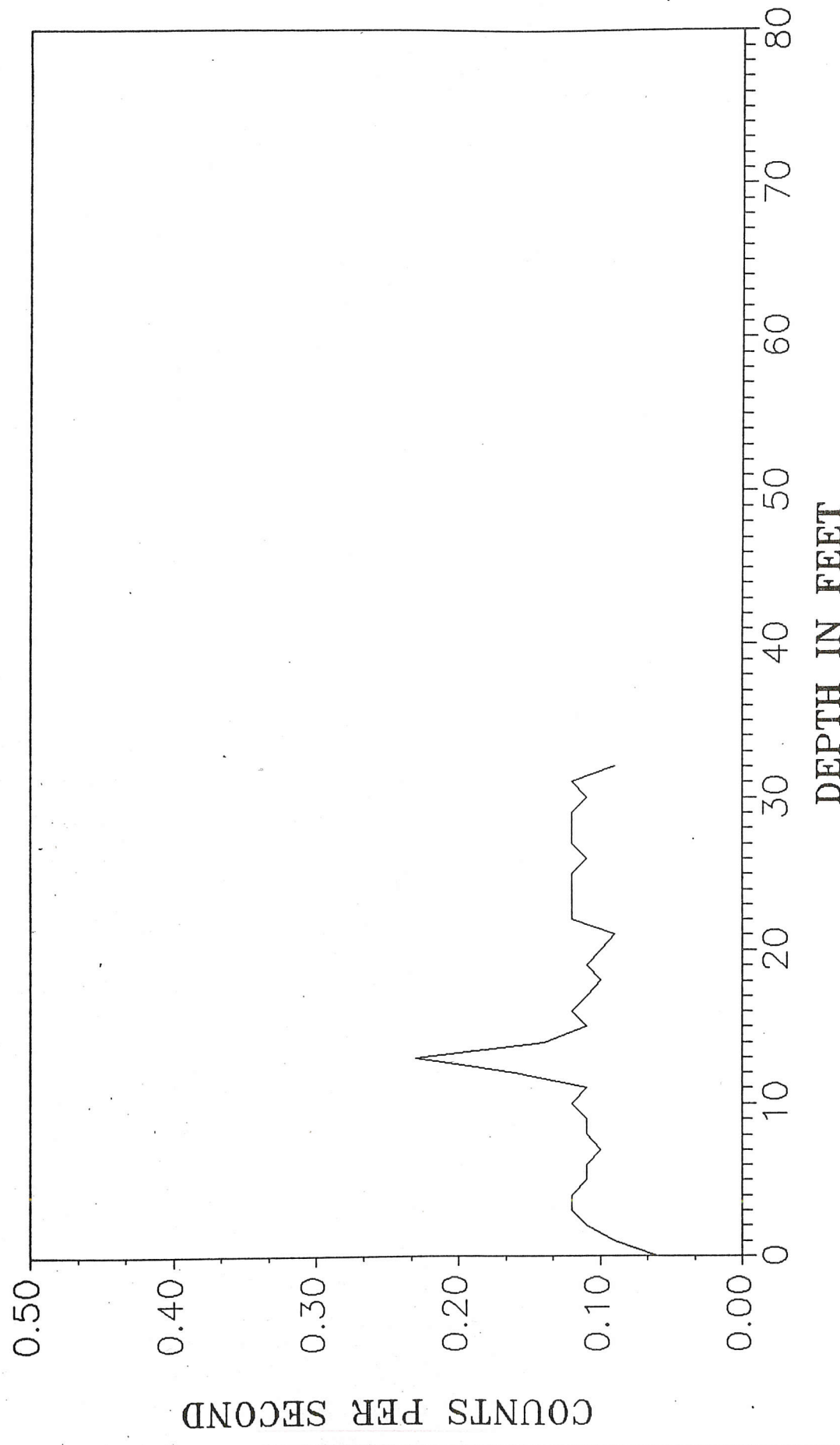
No	REVISIONS	NOTES	APPROVAL	DATE
△			DESIGNED BY	
△			DRAWN BY	2/89
△			CHECKED BY	
△			APPROVED BY	

FOTH & VAN DYKE GEOSCIENCES & ENVIRONMENTAL MANAGEMENT DIVISION GREEN BAY, WISCONSIN		KENNECOTT MINERALS COMPANY FLAMBEAU PROJECT LADYSMITH, WISCONSIN	
CAD No.		SCALE AS SHOWN	
Job No		Dwg No	
REV		REV	

GREAT LAKES EXPLORATION
 FLAMBEAU 22
 Well No 13 (OW-13)
 F+VD 2/89

SECTION COORDINATES 42,045.39 N, 39,831.03 E
 AZIMUTH
 ELEVATION
 DATE STARTED 8/17/70
 DATE COMPLETED 8/18/70
 LENGTH OF HOLE 52 ft.
 % RECOVERY





DATA TAKEN 1-13-89 BY BJS
 TIME CONSTANT = 5 SECONDS
 RANGE SETTING = 20 K

FOTH & VAN DYKE GEOSCIENCES & ENVIRONMENTAL MANAGEMENT DIVISION GREEN BAY, WISCONSIN		KENNECOTT MINERALS COMPANY FLAMBEAU PROJECT LADYSMITH, WISCONSIN	
NOTES		APPROVAL	DATE
DESIGNED BY		DESIGNED BY	
DRAWN BY	SJL	DRAWN BY	SJL
CHECKED BY		CHECKED BY	
APPROVED BY		APPROVED BY	
CAD No.		SCALE AS SHOWN	Job No
			Dwg No
			REV

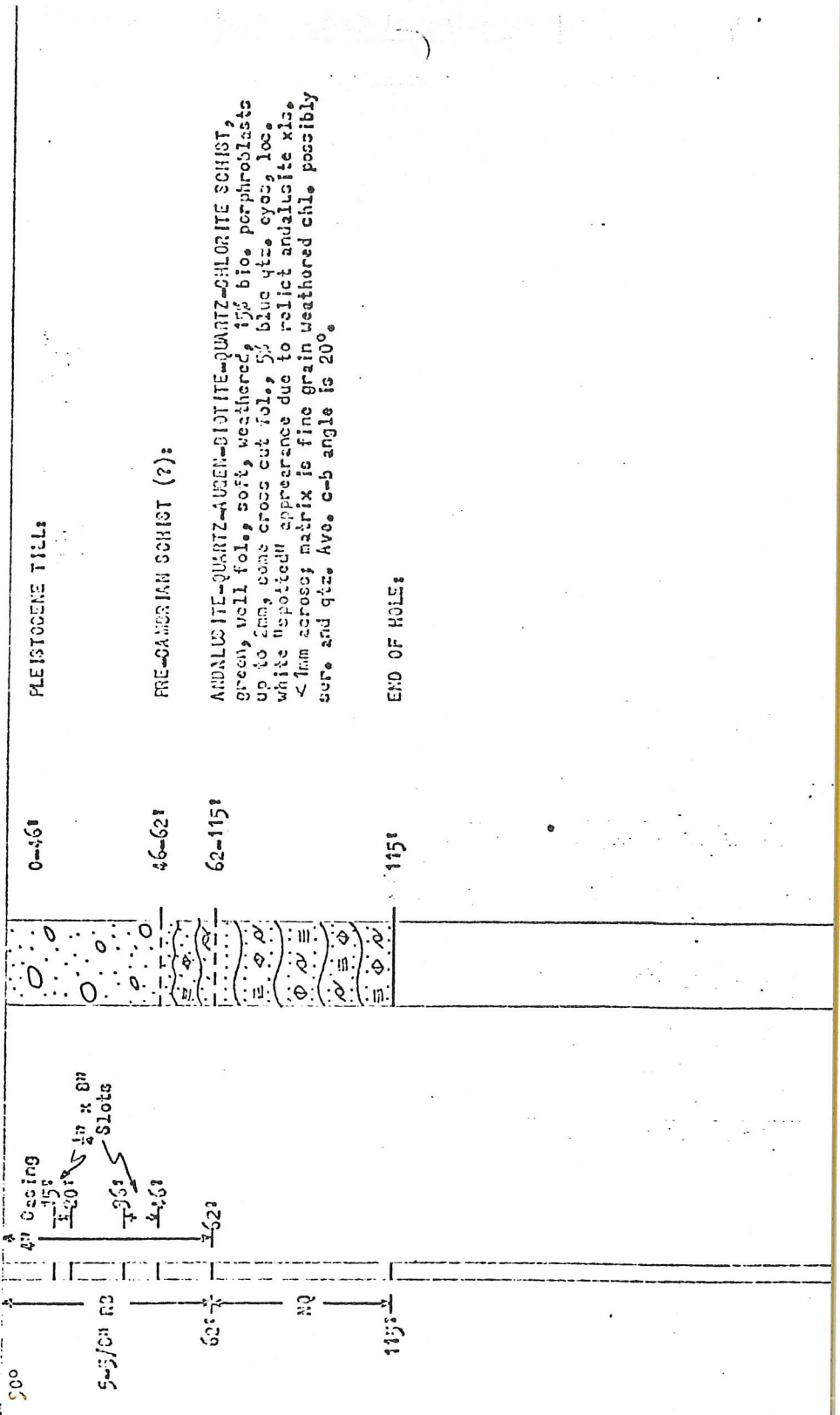
GREAT LAKES EXPLORATION
 FLAMBEAU 22
 Well No 14-T (ow-14)
 F+V D 2/89

DATE STARTED 7/29/70
 DATE COMPLETED 7/30/70
 LENGTH OF HOLE 115 ft.
 % RECOVERY

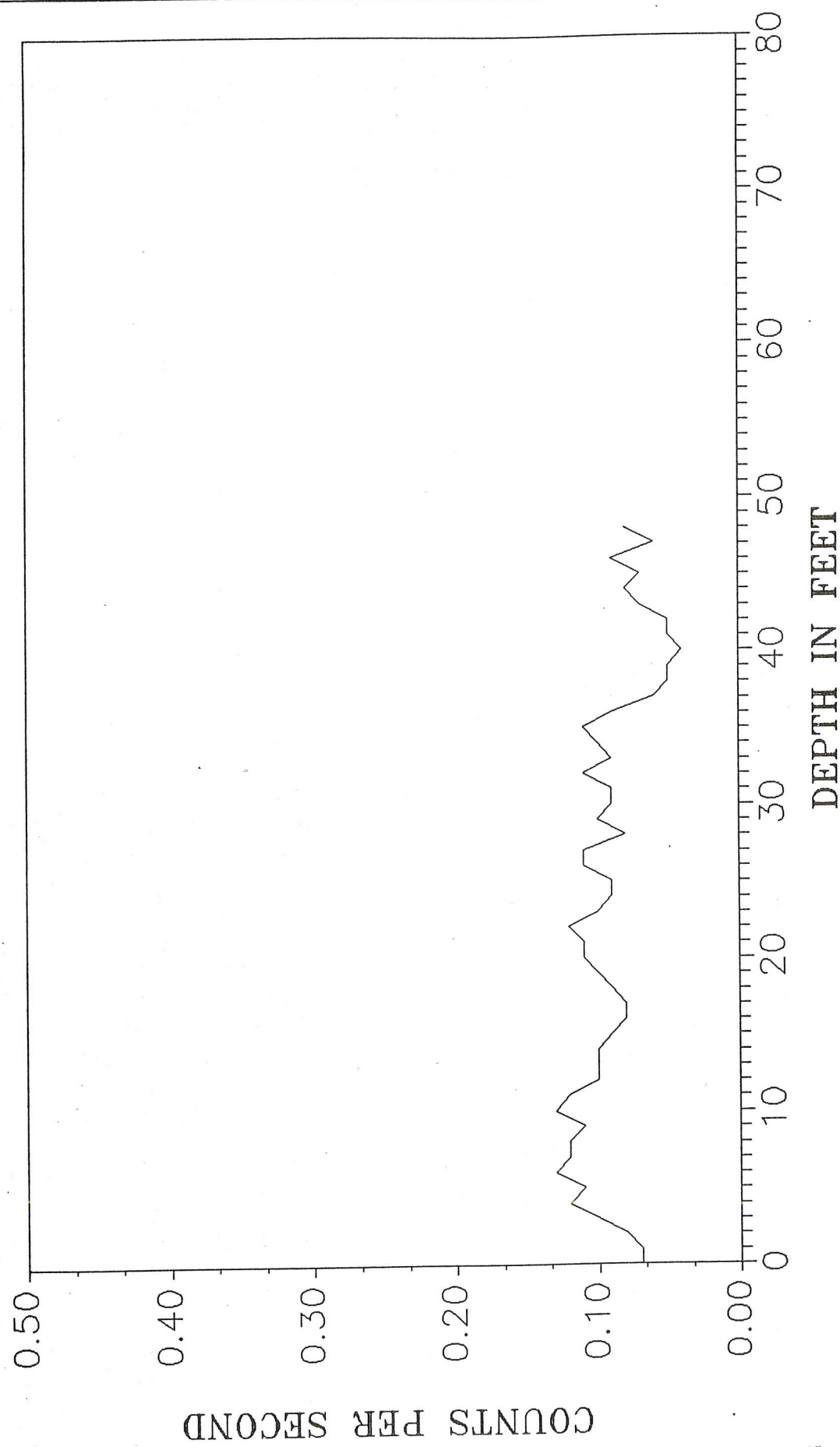
SECTION
 COORDINATES
 AZIMUTH
 ELEVATION

500
 5-3/4" RB
 625
 800
 115'

GEOLOGIC COLUMN
 DESCRIPTION



AMPHIBOLE-QUARTZ-ACTINOLITE-QUARTZ-CHLORITE SCHIST,
 green, well fol., soft, weathered, 15% bio. porphyroblasts
 up to 2mm, some cross cut fol., 5% blue qtz. eyes, loc.
 white "potted" appearance due to relict andalusite xls.
 < 1mm across; matrix is fine grain weathered chl. possibly
 ser. and qtz. Ave. c-b angle is 20°



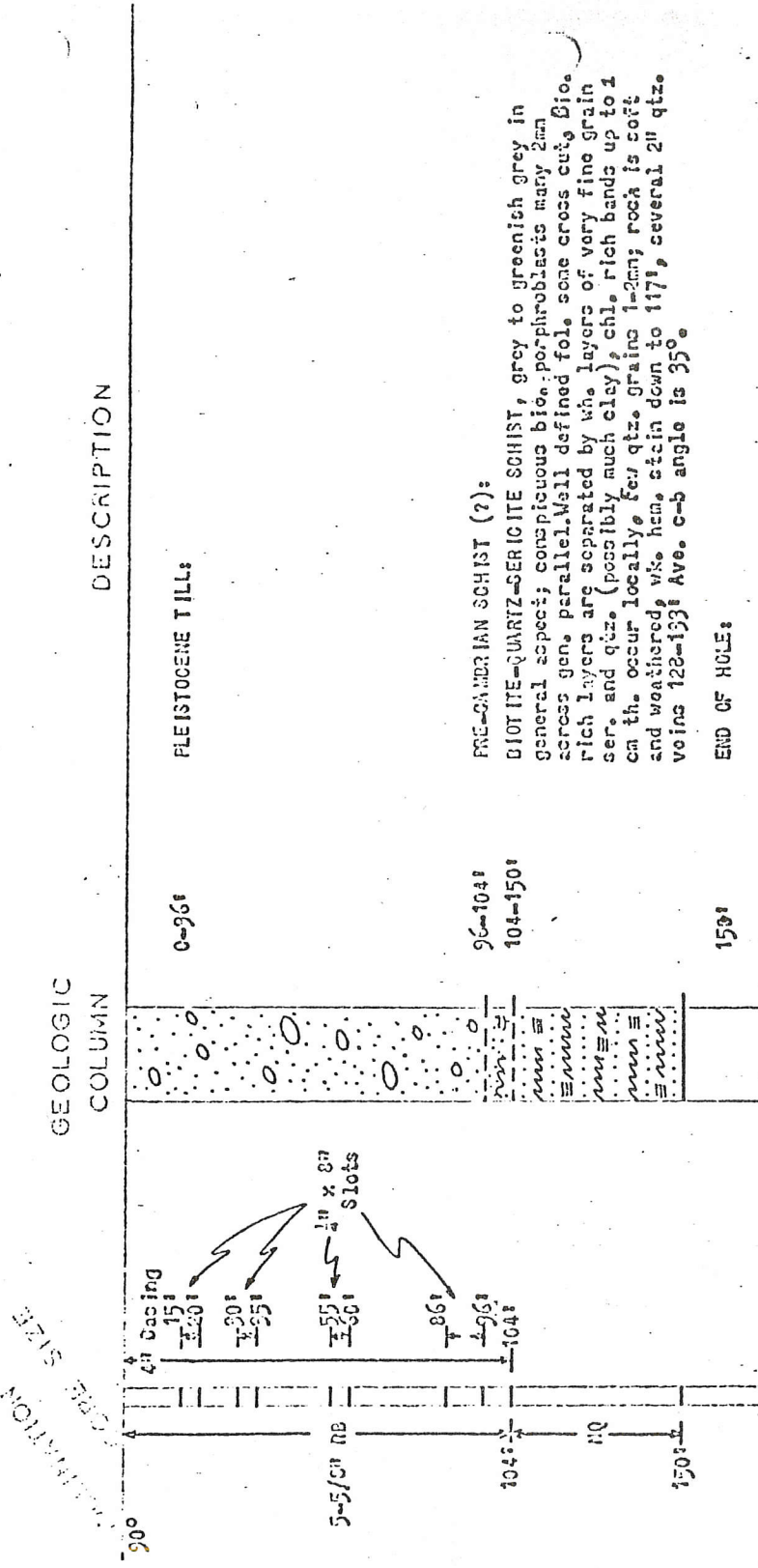
DATA TAKEN 1-13-89 BY BJS
 TIME CONSTANT = 5 SECONDS
 RANGE SETTING = 20 K

DEPTH IN FEET

FOTH & VAN DYKE GEOSCIENCES & ENVIRONMENTAL MANAGEMENT DIVISION GREEN BAY, WISCONSIN		KENNECOTT MINERALS COMPANY FLAMBEAU PROJECT LADYSMITH, WISCONSIN	
NOTES		APPROVAL	DATE
DESIGNED BY	SJL	2/89	
DRAWN BY			
CHECKED BY			
APPROVED BY			
CAD No.	SCALE AS SHOWN	Job No	Dwg No
			REV

GREAT LAKES EXPLORATION
 FLAMBEAU 22
 Well No 15-T (OW-15)
 F+VD 2/89

SECTION COORDINATES 41,645N 38,320E (Approx)
 AZIMUTH (F+VD 1/89)
 ELEVATION
 DATE STARTED 7/30/70
 COMPLETED 7/31/70
 LENGTH OF HOLE 150 ft.
 % RECOVERY

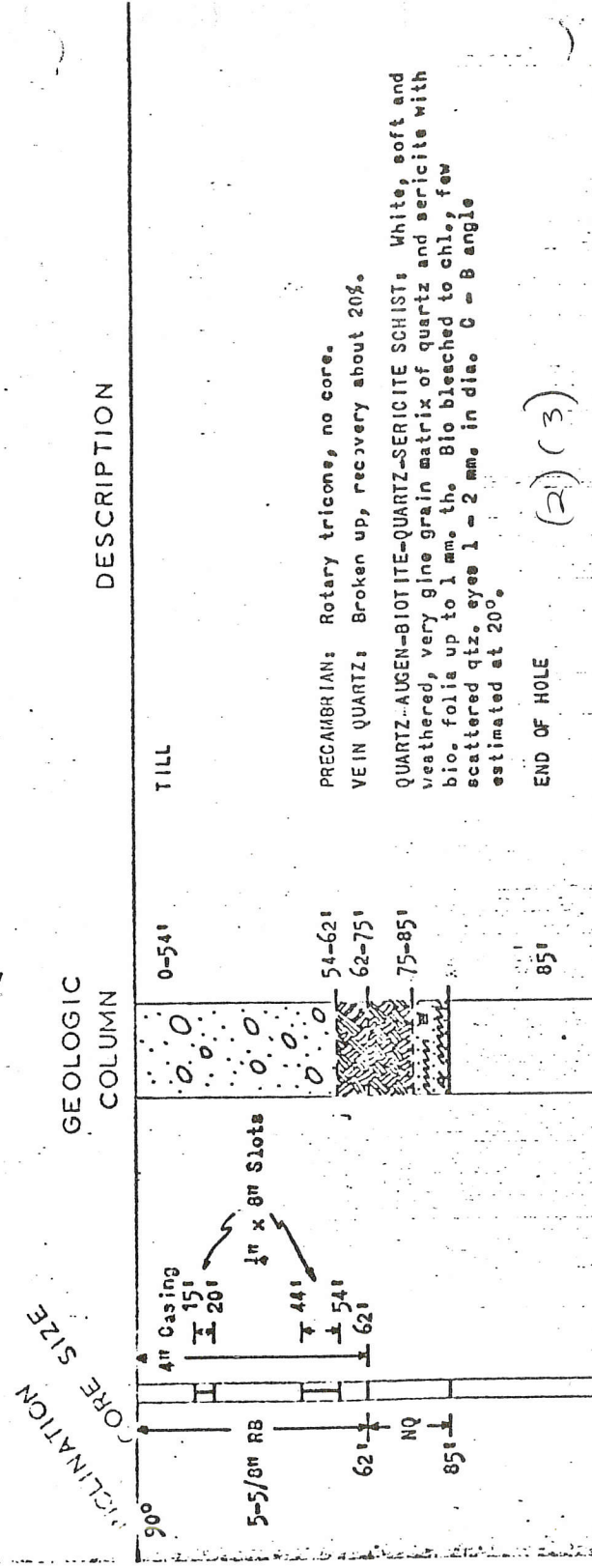


PRE-CAMBRIAN SCHIST (?):
 BIOTITE-QUARTZ-SERICITE SCHIST, gray to greenish grey in general aspect; conspicuous bio. porphyroblasts many 2mm across gen. parallel. Well defined fol. some cross cut. Dio. rich layers are separated by wh. layers of very fine grain ser. and qtz. (possibly much clay), chl. rich bands up to 1 cm th. occur locally. few qtz. grains 1-2mm; rock is soft and weathered, wh. hcm. stain down to 117', several 2" qtz. veins 128-133' Ave. c-b angle is 35°

END OF HOLE:

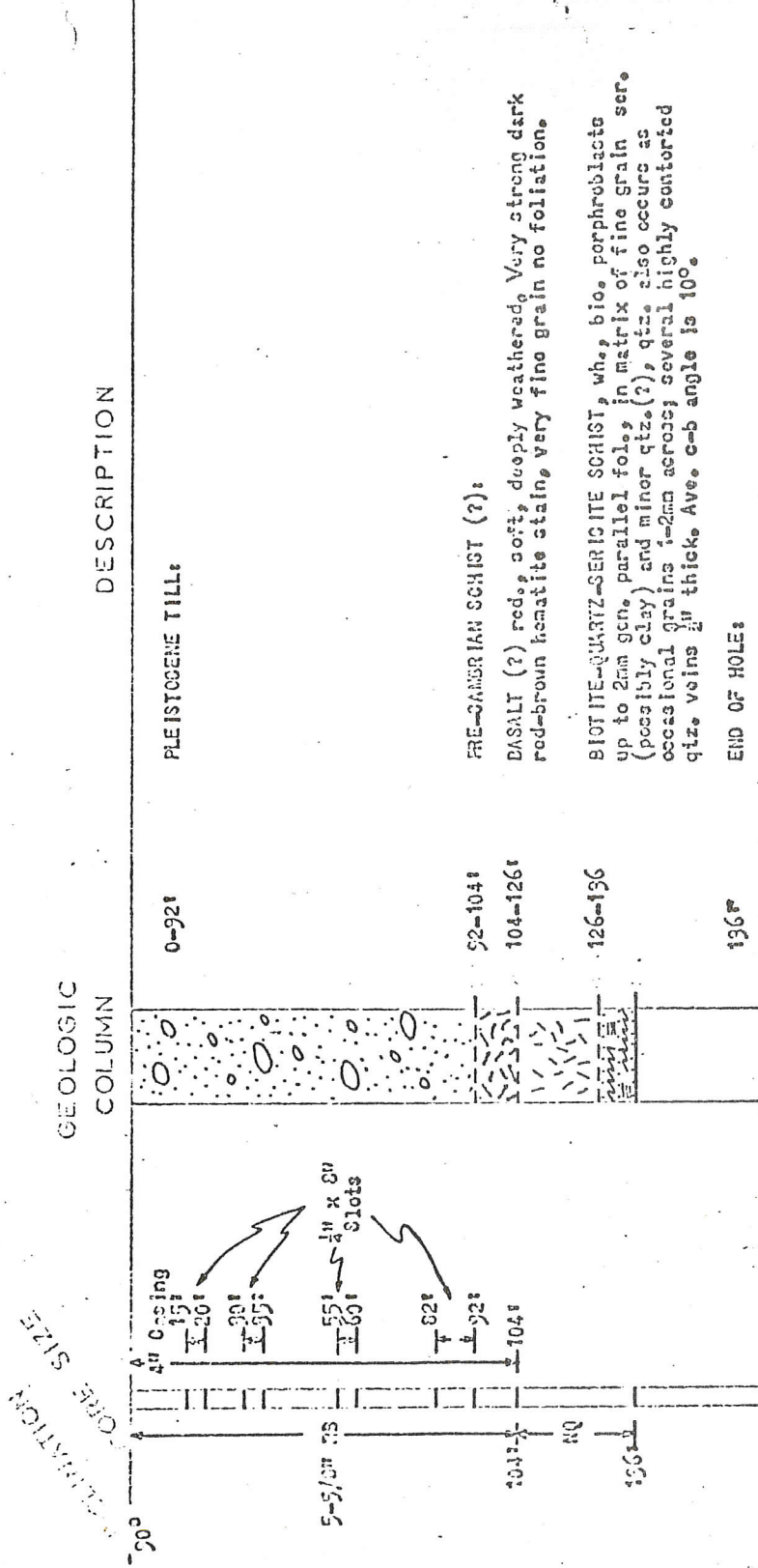
GREAT LAKES EXPLORATION
FLAMBEAU 22
Well No 16 (OW-16)

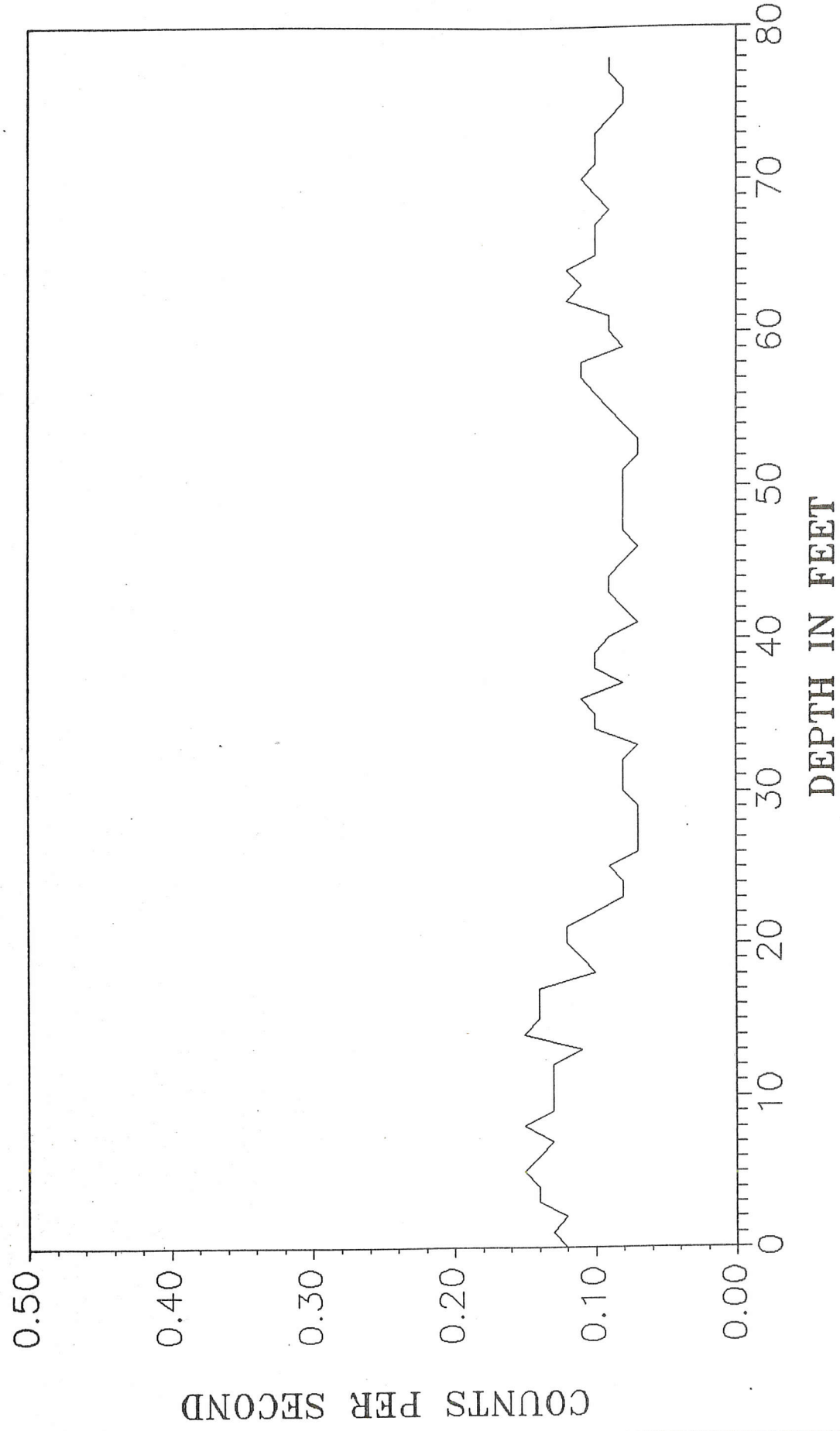
SECTION: F+VD 2/89
COORDINATES: 42, 295 N 39, 235 E
AZIMUTH: (F+VD 189)
ELEVATION: ~1105
DATE STARTED: 8/10/70
DATE COMPLETED: 8/11/70
LENGTH OF HOLE: 85 ft.
% RECOVERY: (F+VD 189)



GREAT LAKES EXPLORATION
FLAMBEAU 22
Well No 17-S (OW-17)

SECTION: F+VD 2/89
COORDINATES: 42, 165 N 38, 205 E (Approx)
AZIMUTH: (F+VD 189)
ELEVATION: ~1110
DATE STARTED: 7/31/70
DATE COMPLETED: 8/4/70
LENGTH OF HOLE: 136 ft.
% RECOVERY: (F+VD 189)

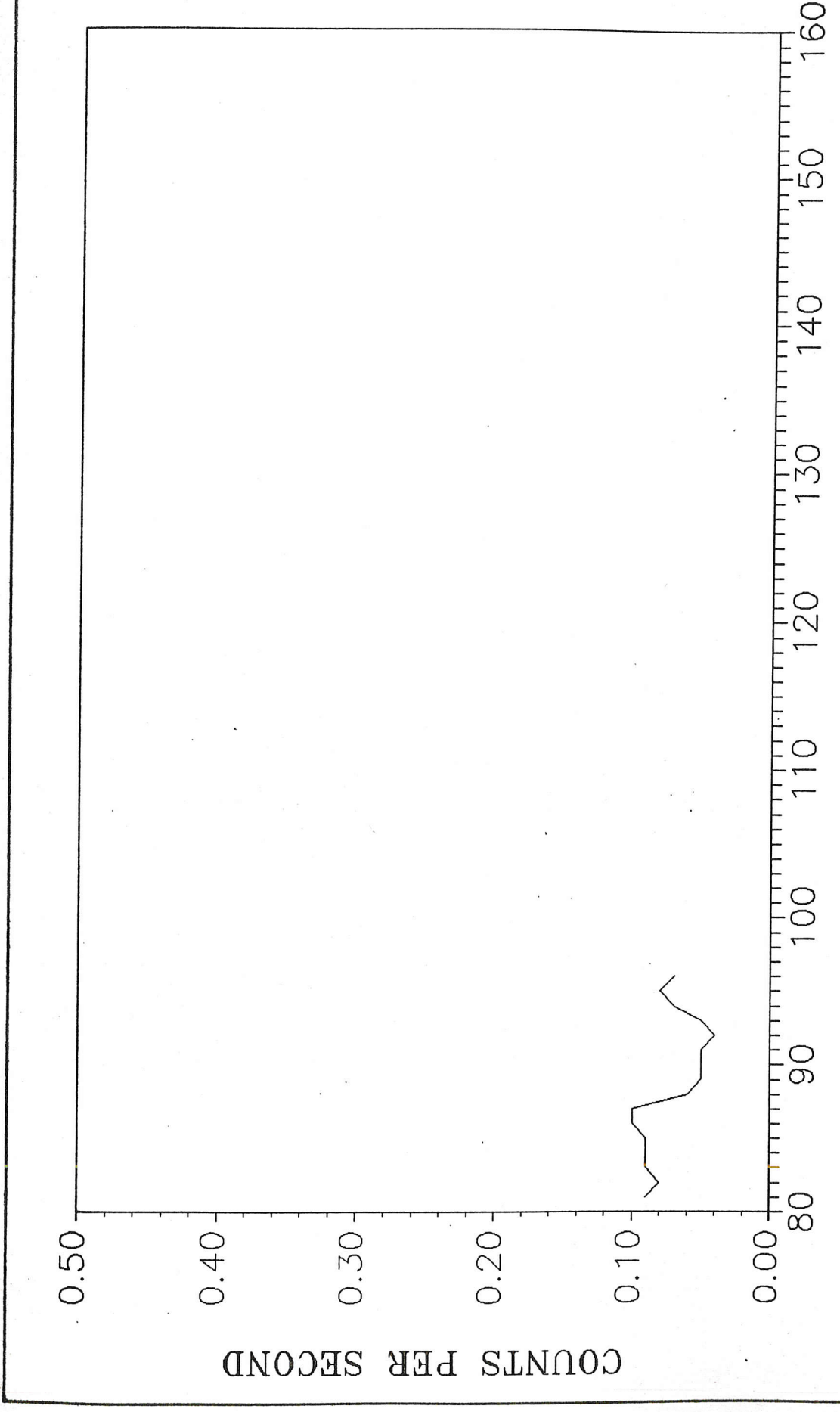




DATA TAKEN 1-13-89 BY BJS
 TIME CONSTANT = 5 SECONDS
 RANGE SETTING = 20 K

DEPTH IN FEET

FOTH & VAN DYKE GEOSCIENCES & ENVIRONMENTAL MANAGEMENT DIVISION GREEN BAY, WISCONSIN		KENNECOTT MINERALS COMPANY FLAMBEAU PROJECT LADYSMITH, WISCONSIN	
DESIGNED BY	APPROVAL	DATE	
DRAWN BY		2/89	
CHECKED BY			
APPROVED BY			
CAD No.	SCALE AS SHOWN	Job No	REV



DATA TAKEN 1-13-89 BY BJS
 TIME CONSTANT = 5 SECONDS
 RANGE SETTING = 20 K

DEPTH IN FEET

FOTH & VAN DYKE GEOSCIENCES & ENVIRONMENTAL MANAGEMENT DIVISION GREEN BAY, WISCONSIN		KENNECOTT MINERALS COMPANY FLAMBEAU PROJECT LADYSMITH, WISCONSIN	
DESIGNED BY	APPROVAL	DATE	
DRAWN BY		2/89	
CHECKED BY			
APPROVED BY			
CAD No.	SCALE AS SHOWN	Job No	REV

GREAT LAKES EXPLORATION
FLAMBEAU 22

Well No 18-T (OW-18)

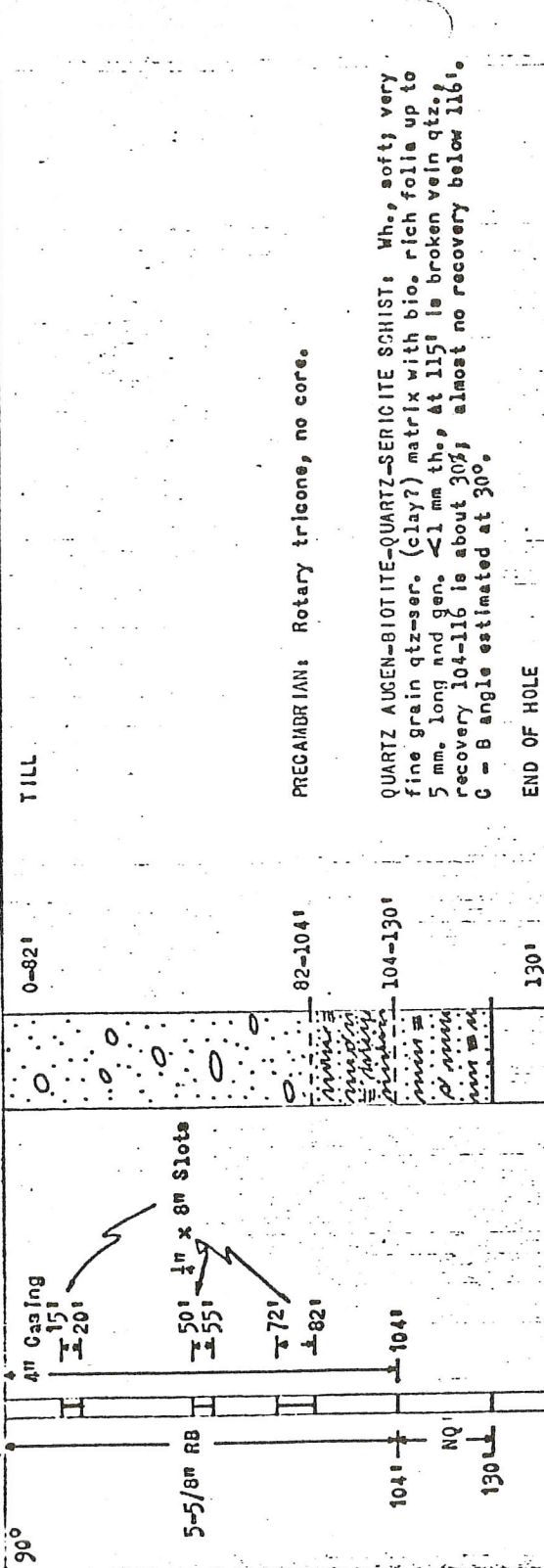
F+VD 2/89

DATE STARTED 8/6/70
DATE COMPLETED 8/10/70

LENGTH OF HOLE 130 ft.

% RECOVERY

SECTION COORDINATES AZIMUTH ELEVATION INCLINATION CORE SIZE



PRECAMBRIAN: Rotary tricone, no core.

QUARTZ AUGEN-BIOTITE-QUARTZ-SERICITE SCHIST: Wh., soft, very fine grain qtz-ser. (clay?) matrix with bio. rich folia up to 5 mm. long and gen. <1 mm th. At 115' is broken vein qtz, recovery 104-116 is about 30%, almost no recovery below 116'. G - B angle estimated at 30°.

END OF HOLE 130'

BEST COPY AVAILABLE

GREAT LAKES EXPLORATION
FLAMBEAU 22

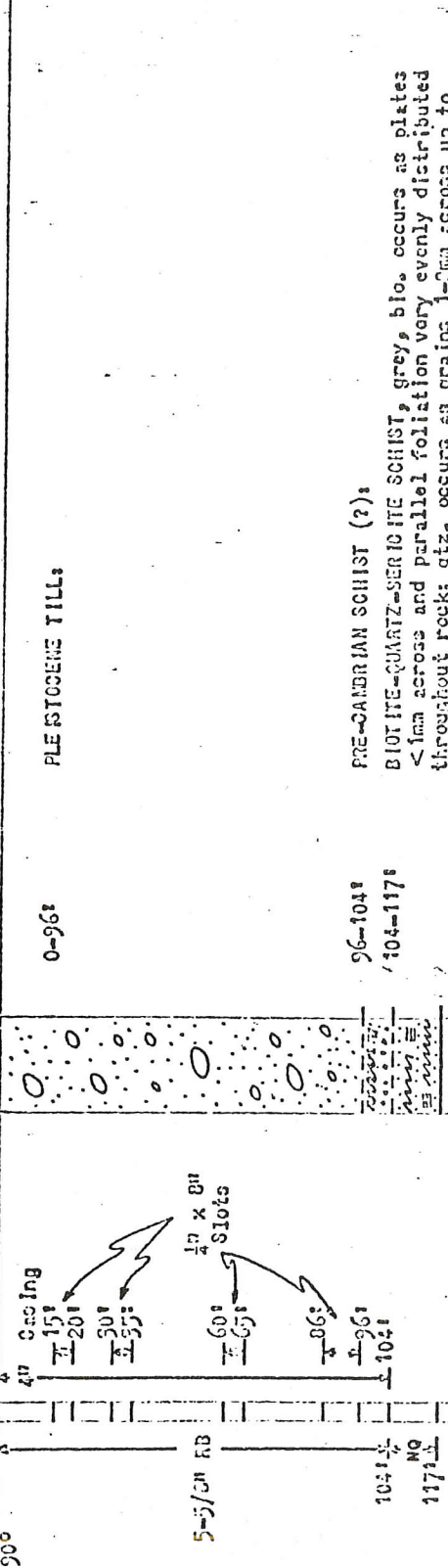
Well No 19-T (OW-19)
F+VD 2/89

DATE STARTED 8/4/70
DATE COMPLETED 8/6/70

LENGTH OF HOLE 117 ft.

% RECOVERY

SECTION COORDINATES AZIMUTH ELEVATION INCLINATION CORE SIZE



PRE-CAMBRIAN SCHIST (?):

BIOTITE-QUARTZ-SERICITE SCHIST, grey, blo. occurs as plates <1mm across and parallel foliation very evenly distributed throughout rock; qtz. occurs as grains 1-2mm across up to 10%; matrix of very fine ser. (possibly clay) fine wh. spots 1-2mm across possibly relict feldspar phen.; occasional needles of tremolite (?), 1-2mm long. On cut surface are leucoid patches 20mm x 5mm which parallel foliation. Foliation almost parallel core axis.

END OF HOLE: 117'

BEST COPY AVAILABLE

GREAT LAKES EXPLORATION

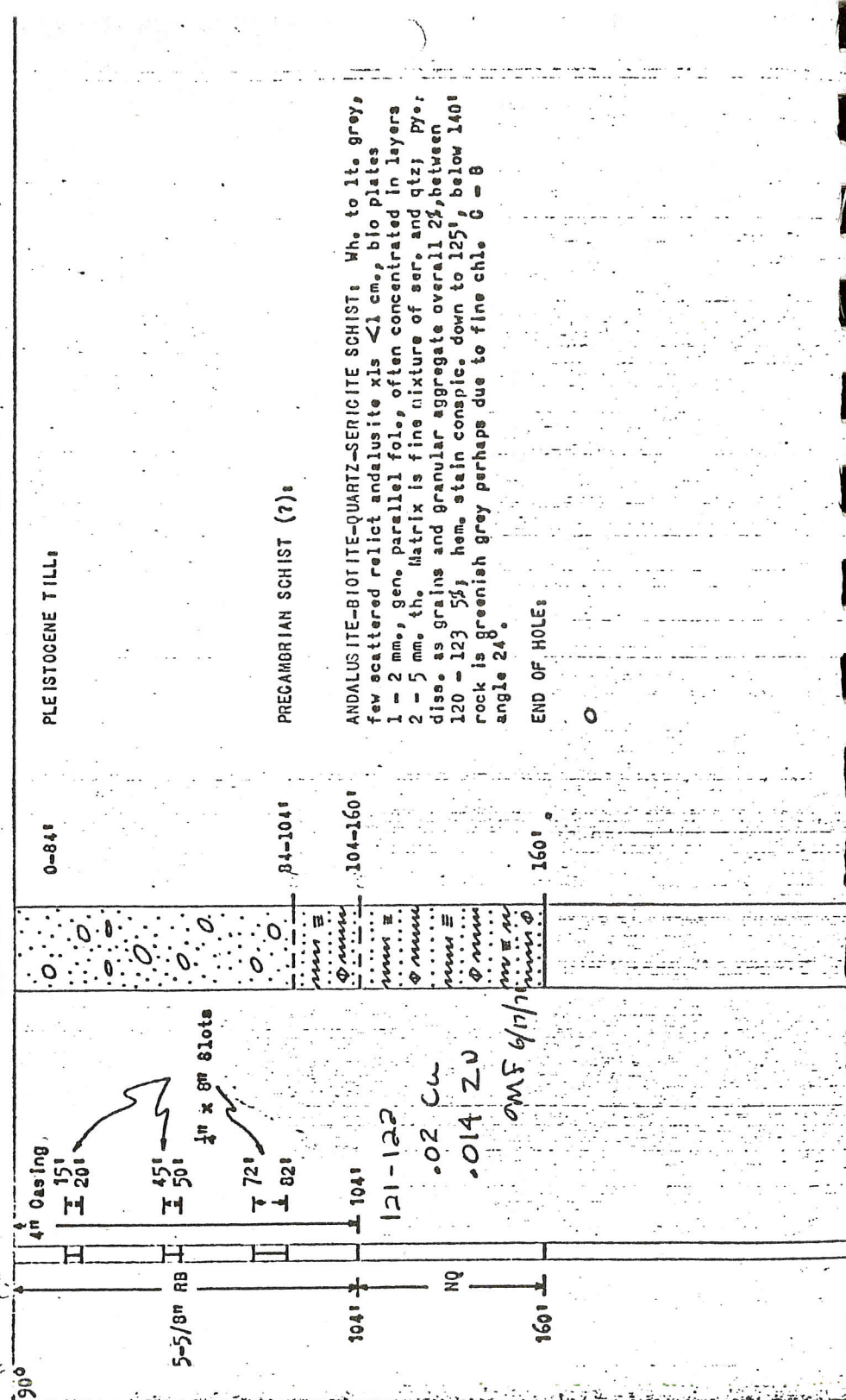
FLAMBEAU 22

Well No 20 (low -20)
FVD 2/89

SECTION COORDINATES 40,558.8 N, 38,679.8 E
AZIMUTH 1104.61 ft. Top of casing
ELEVATION 1601

DATE STARTED 8/11/70
DATE COMPLETED 8/13/70
LENGTH OF HOLE 160 ft.
% RECOVERY

INCLINATION 90°
CORE SIZE
GEOLOGIC COLUMN
DESCRIPTION



PRECAMBRIAN SCHIST (7):
ANDALUSITE-BIOTITE-QUARTZ-SERICITE SCHIST: Wh. to lt. grey, few scattered relict andalusite xls <1 cm, bio plates 1-2 mm, gen. parallel fol., often concentrated in layers 2-5 mm, th. Matrix is fine mixture of ser. and qtz; py. diss. as grains and granular aggregate overall 2%, between 120-123 5/8; hem. stain conspic. down to 125', below 140' rock is greenish grey perhaps due to fine chlo. 6-8 angle 24°.

GREAT LAKES EXPLORATION

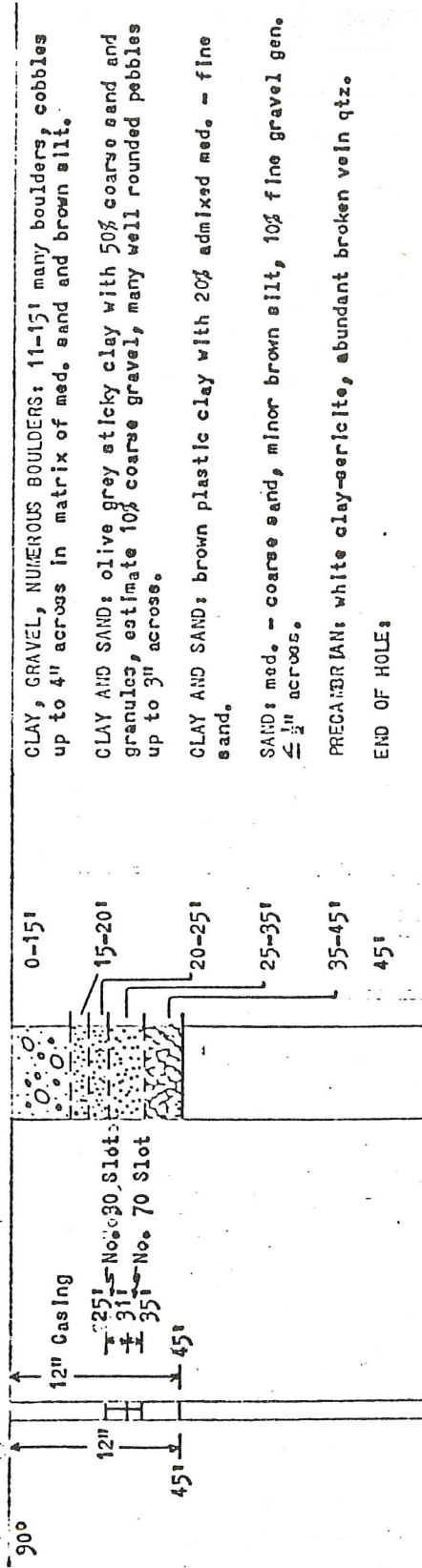
FLAMBEAU 22

Well No 29 (OTW-29)
FVD 2/89

SECTION COORDINATES 40,558.8 N, 38,679.8 E
AZIMUTH 1104.61 ft. Top of casing
ELEVATION 451

DATE STARTED 3/19/71
DATE COMPLETED 4/3/71
LENGTH OF HOLE 45 ft.
% RECOVERY

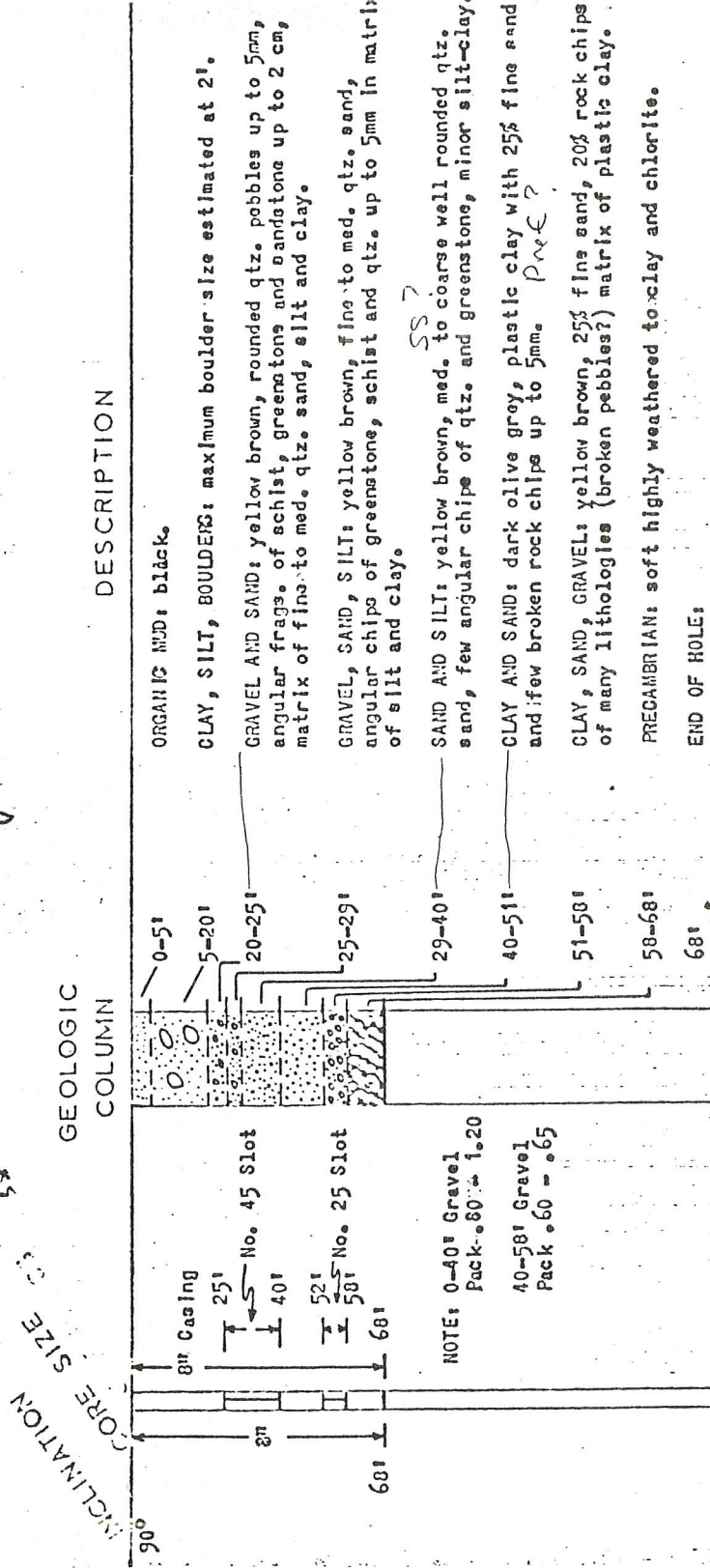
INCLINATION 90°
CORE SIZE
GEOLOGIC COLUMN
DESCRIPTION



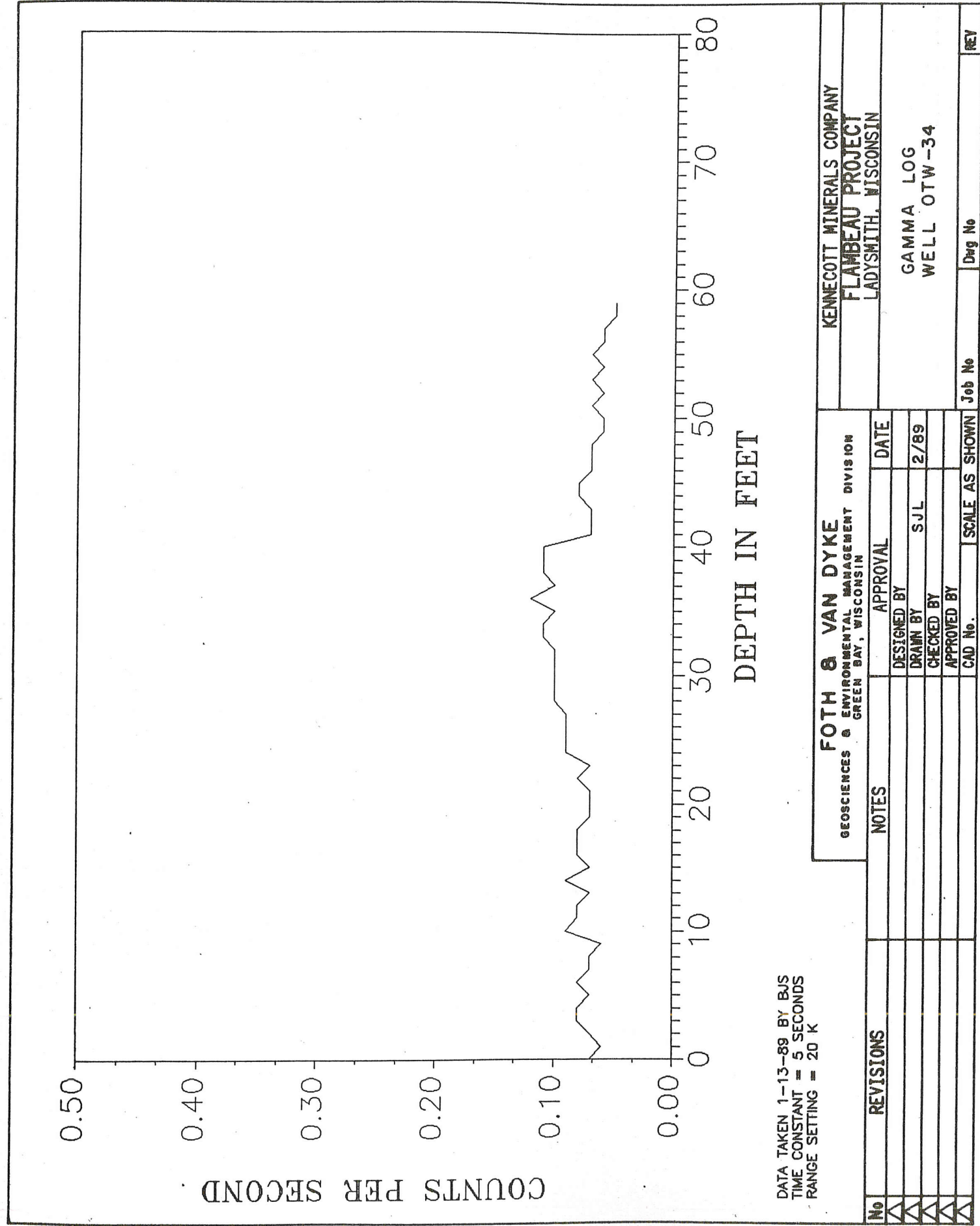
CLAY, GRAVEL, NUMEROUS BOULDERS: 11-15' many boulders, cobbles up to 4" across in matrix of med. sand and brown silt.
CLAY AND SAND: olive grey sticky clay with 50% coarse sand and granules, estimate 10% coarse gravel, many well rounded pebbles up to 3/4" across.
CLAY AND SAND: brown plastic clay with 20% admixed med. - fine sand.
SAND: med. - coarse sand, minor brown silt, 10% fine gravel gen. < 1/2" across.
PRECAMBRIAN: white clay-sericite, abundant broken vein Qtz.

GREAT LAKES EXPLORATION
 FLAMBEAU 22
 Well No 34 (OTW-34)
 F+VD 2/89

SECTION
 COORDINATES 41,017.3 N, 38,709.7 E
 AZIMUTH
 ELEVATION 1105.47 ft. - *Casing el.*
 DATE STARTED 3/3/71
 DATE COMPLETED 3/18/71
 LENGTH OF HOLE 68 ft.
 % RECOVERY



BEST COPY AVAILABLE



GREAT LAKES EXPLORATION
Flambeau

Well No. 39 (OW-39)
F+VD 2/89

SECTION 402
COORDINATES 39,711.44 N, 39,270.38E
AZIMUTH

DATE STARTED 9-7-72
COMPLETED 9-7-72

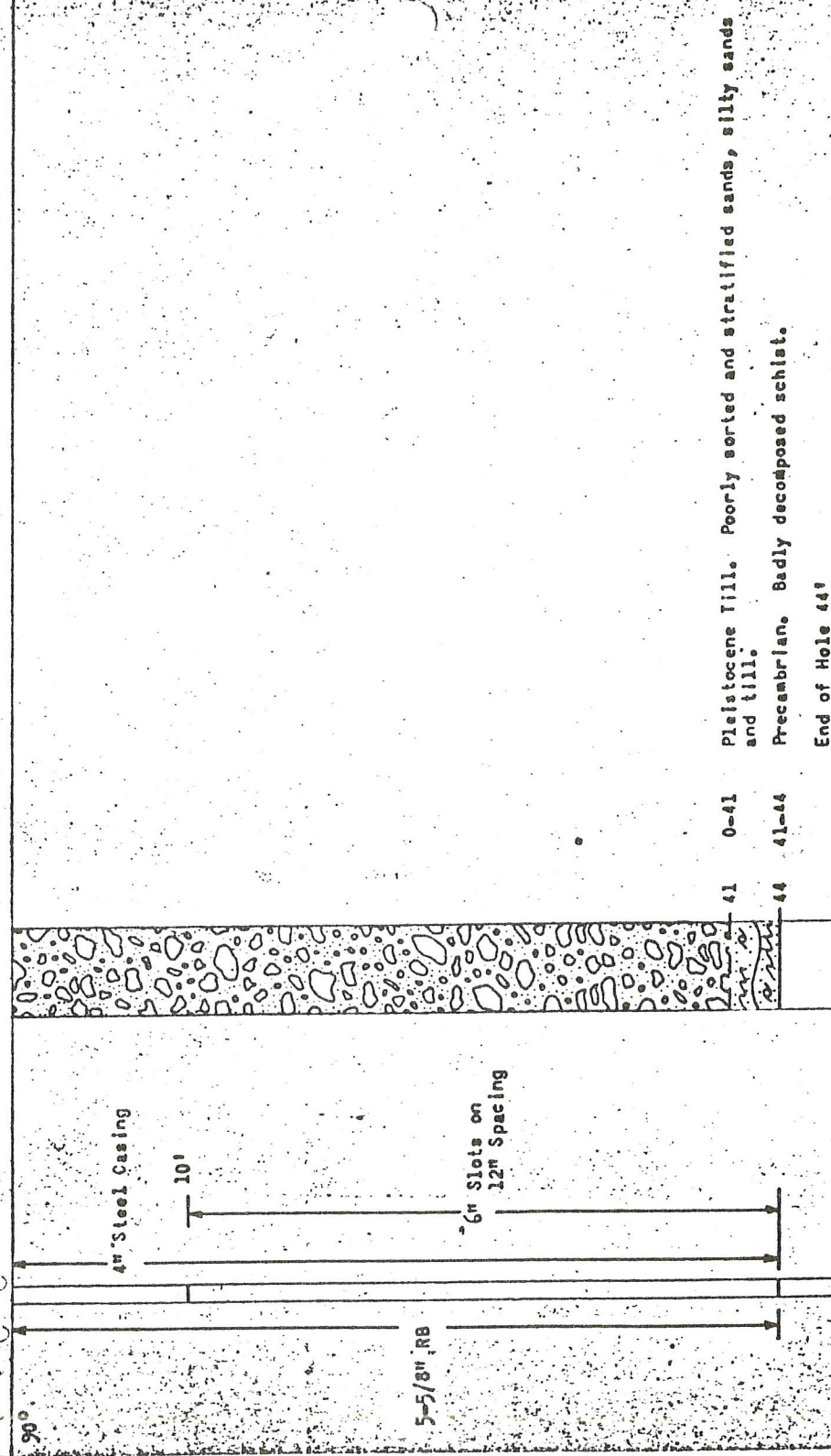
LENGTH OF HOLE 44 ft

ELEVATION Cap: 1117.8 ft
Ground: 1117.4 ft

% ORE RECOVERY

INCLINATION
CORE SIZE BANDS
CORE SIZE BANDS
COI UMN

GEOLOGIC DESCRIPTION



GREAT LAKES EXPLORATION
Flambeau

Well No. 40 (OW-40)
F+VD 2/89

SECTION 402
COORDINATES 39,901.18 N, 39,048.05 E
AZIMUTH

DATE STARTED 9-5-72
COMPLETED 9-7-72

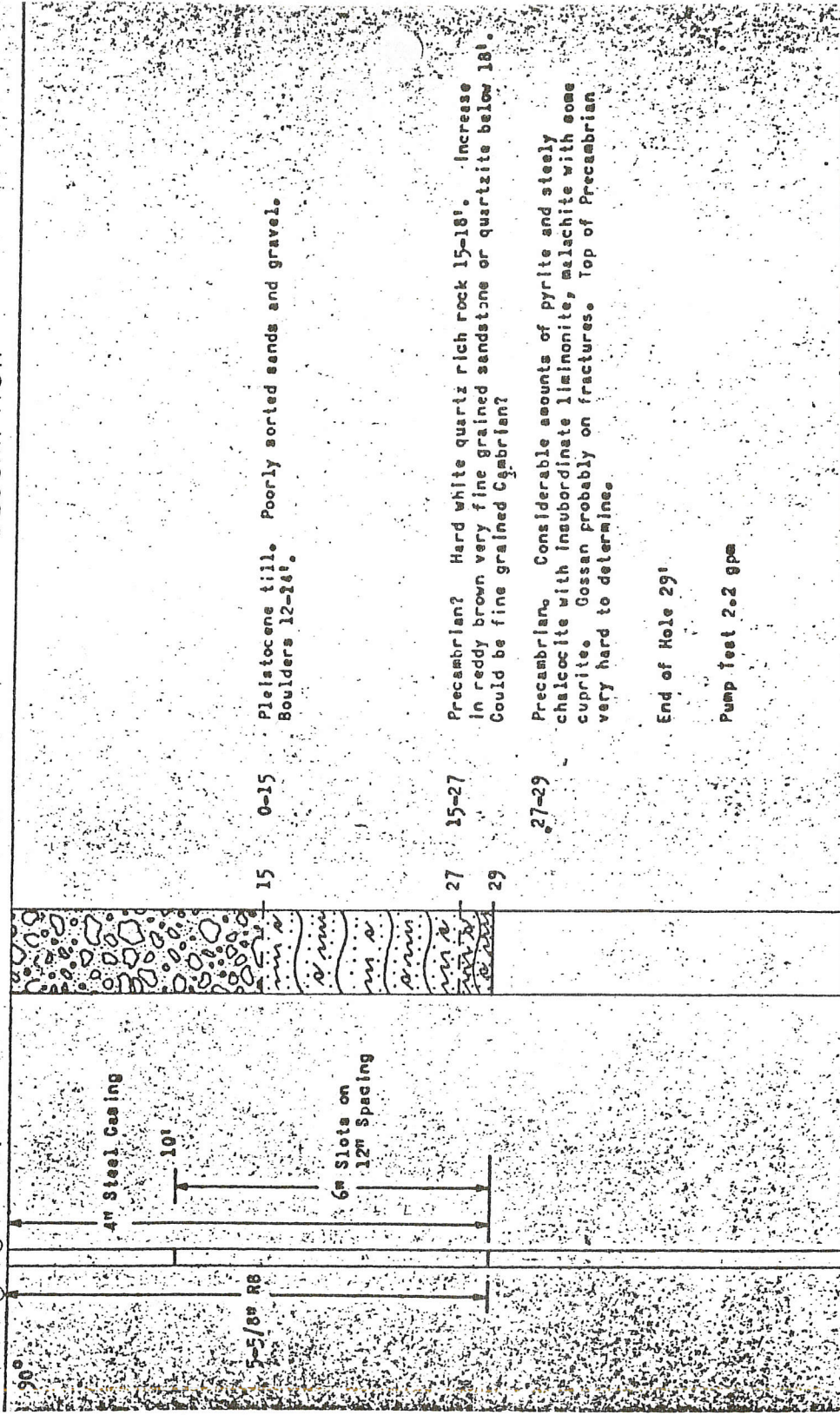
LENGTH OF HOLE 29 ft

ELEVATION Cap: 1107.9 ft
Ground: 1106.7 ft

% ORE RECOVERY

INCLINATION
CORE SIZE BANDS
CORE SIZE BANDS
COI UMN

GEOLOGIC DESCRIPTION



GREAT LAKES EXPLORATION

Flambeau

Well No. 41 (OW-41)

SECTION 402

COORDINATES 40,065.23 N, 38,867.32 E

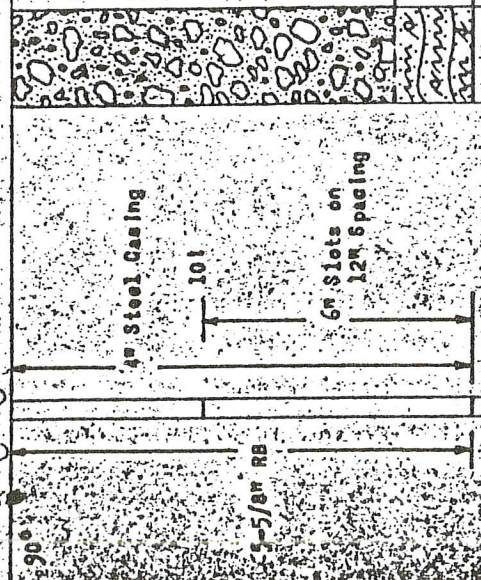
AZIMUTH

ELEVATION Cap: 1102.4 ft

Ground: 1101.2 ft

INCLINATION

CORE SIZE BANDS
GEOLOGIC COLUMN



STARTED 9-1-72
DATE COMPLETED 9-1-72

LENGTH OF HOLE 24 ft

% ORE RECOVERY

GEOLOGIC DESCRIPTION

0-20 Pleistocene Till with interbedded sands, silty sands, and gravels. 6" boulder at 3'. Gravels increase below 14'.

20-24 Precambrian. Badly decomposed and rotten schist.

End of Hole 24'

Pump Test 12.4 gpm

BEST COPY AVAILABLE

GREAT LAKES EXPLORATION

Flambeau

Well No. 42 (OW-42)
F+VD 2/89

SECTION 402

COORDINATES 40,457.70 N, 38,589.73 E

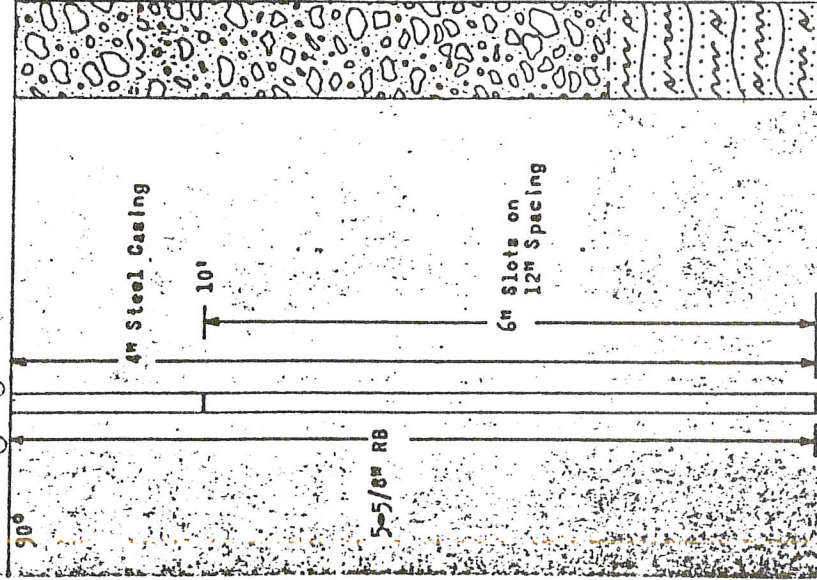
AZIMUTH

ELEVATION Cap: 1102.21 ft

Ground: 1100.27 ft

INCLINATION

CORE SIZE BANDS
GEOLOGIC COLUMN



DATE STARTED 9-8-72
COMPLETED 9-9-72

LENGTH OF HOLE 42 ft

% ORE RECOVERY

GEOLOGIC DESCRIPTION

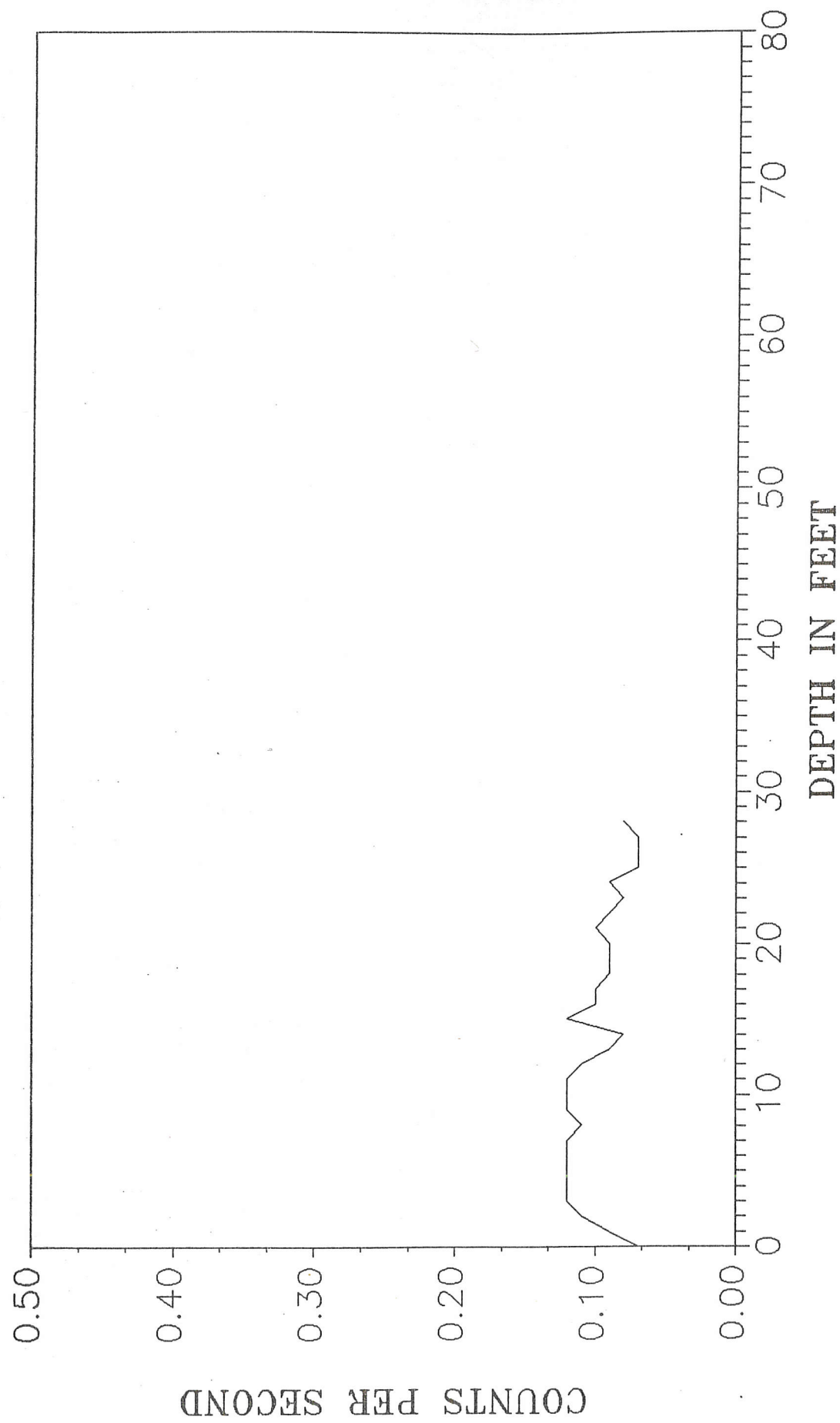
0-31 Pleistocene Till. Silty sand from 0-3' with an increase in gravel and boulders to 16'. Sand and gravel with a silty matrix 16 to 25'. Well sorted silty fine grained sand 25 to 30 feet. Gravelly at 31'. Fine grained brown sand pumped out of hole during testing.

31-42 Precambrian. Badly decomposed schist with white to tan clay material. Chlorite-sericite fragments below 35'.

End of Hole 42'

Pump Test 7.0 gpm

BEST COPY AVAILABLE



DATA TAKEN 1-13-89 BY BJS
 TIME CONSTANT = 5 SECONDS
 RANGE SETTING = 20 K

DEPTH IN FEET

FOTH & VAN DYKE GEOSCIENCES & ENVIRONMENTAL MANAGEMENT DIVISION GREEN BAY, WISCONSIN		KENECOTT MINERALS COMPANY FLAMBEAU PROJECT LADYSMITH, WISCONSIN	
NOTES		APPROVAL	
DESIGNED BY	S J L	DATE	2/89
CHECKED BY			
APPROVED BY			
CAD No.		SCALE AS SHOWN	Job No
			Deg No
			REV

GREAT LAKES EXPLORATION

Flambeau

Well No. 43 (OW-43)

FIELD 2/89

SECTION 402
 COORDINATES 40,716.47 N, 38,174.50 E

AZIMUTH

ELEVATION Cap: 1102.41 ft
 Ground: 1099.8 ft

DATE STARTED 8-
 COMPLETED 9-

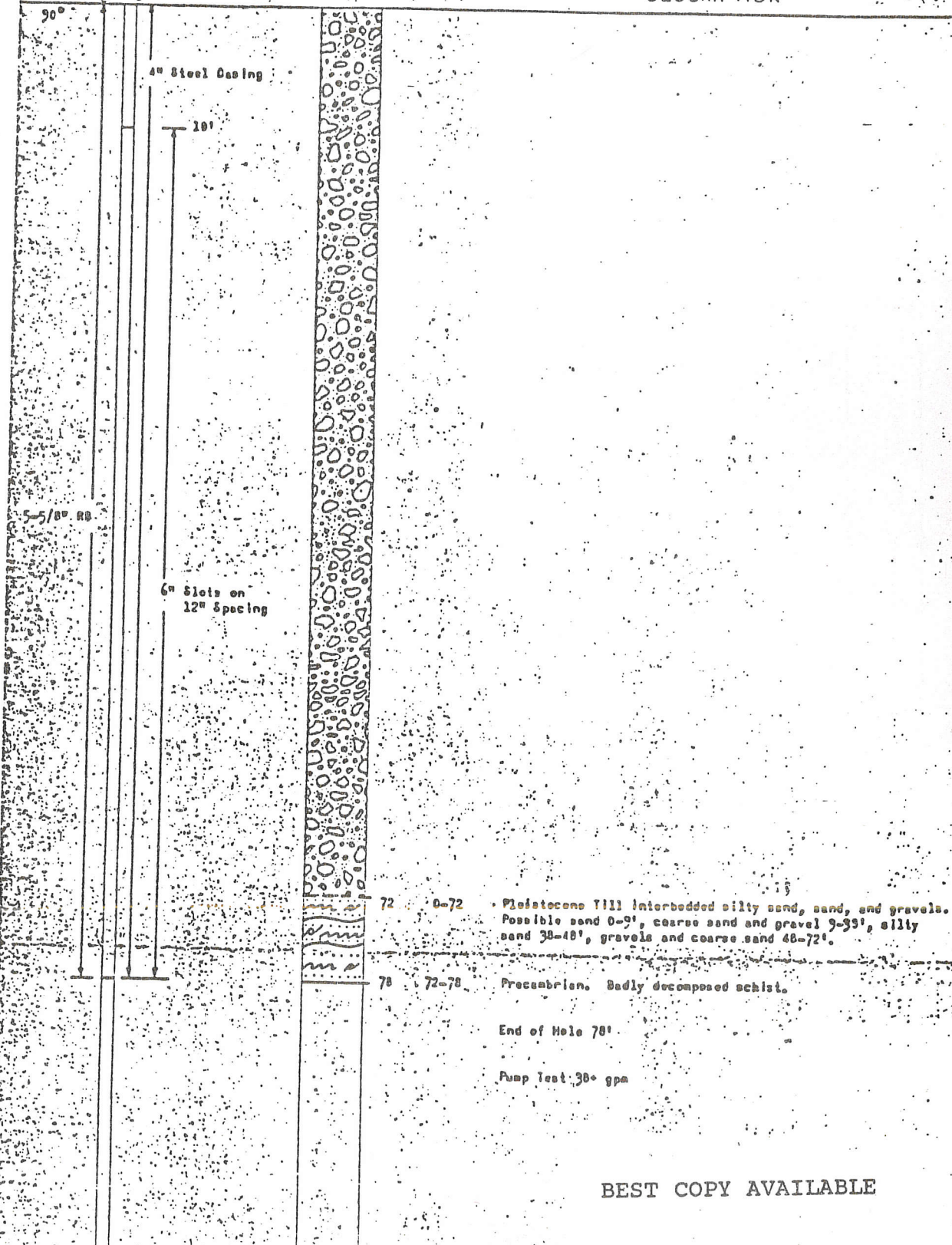
LENGTH OF HOLE 78 ft

% ORE RECOVERY

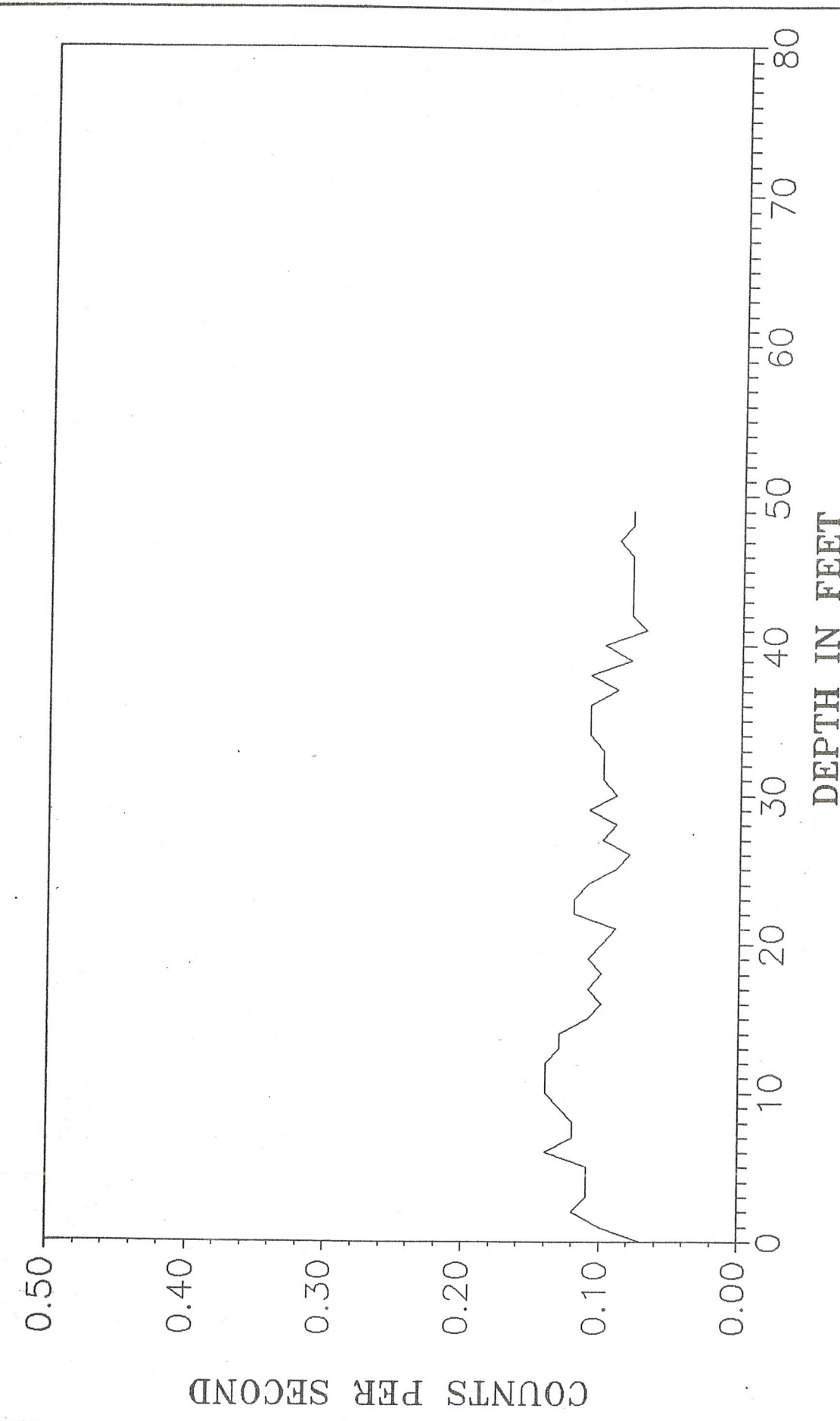
INCLINATION
 CORE SIZE
 CORE BANDS

GEOLOGIC
 COLUMN

GEOLOGIC
 DESCRIPTION



BEST COPY AVAILABLE



DATA TAKEN 1-13-89 BY BUS
 TIME CONSTANT = 5 SECONDS
 RANGE SETTING = 20 K

DEPTH IN FEET

FOTH & VAN DYKE GEOSCIENCES & ENVIRONMENTAL MANAGEMENT DIVISION GREEN BAY, WISCONSIN		KENNECOTT MINERALS COMPANY FLAMBEAU PROJECT LADYSMITH, WISCONSIN	
NOTES		DESIGNED BY	DATE
REVISIONS		DRAWN BY	2/89
		CHECKED BY	
		APPROVED BY	
		CAD No.	Job No
		SCALE AS SHOWN	Dwg No
			REV