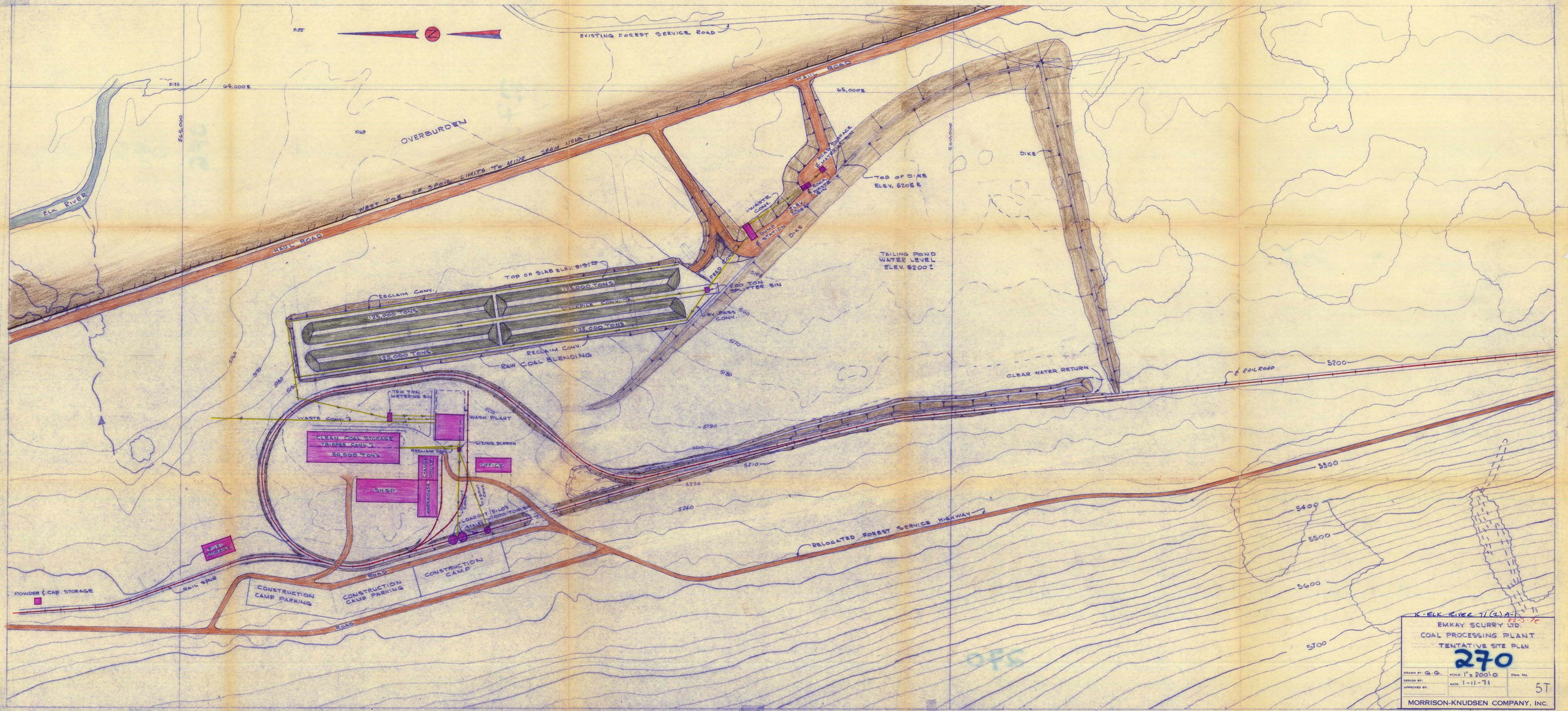
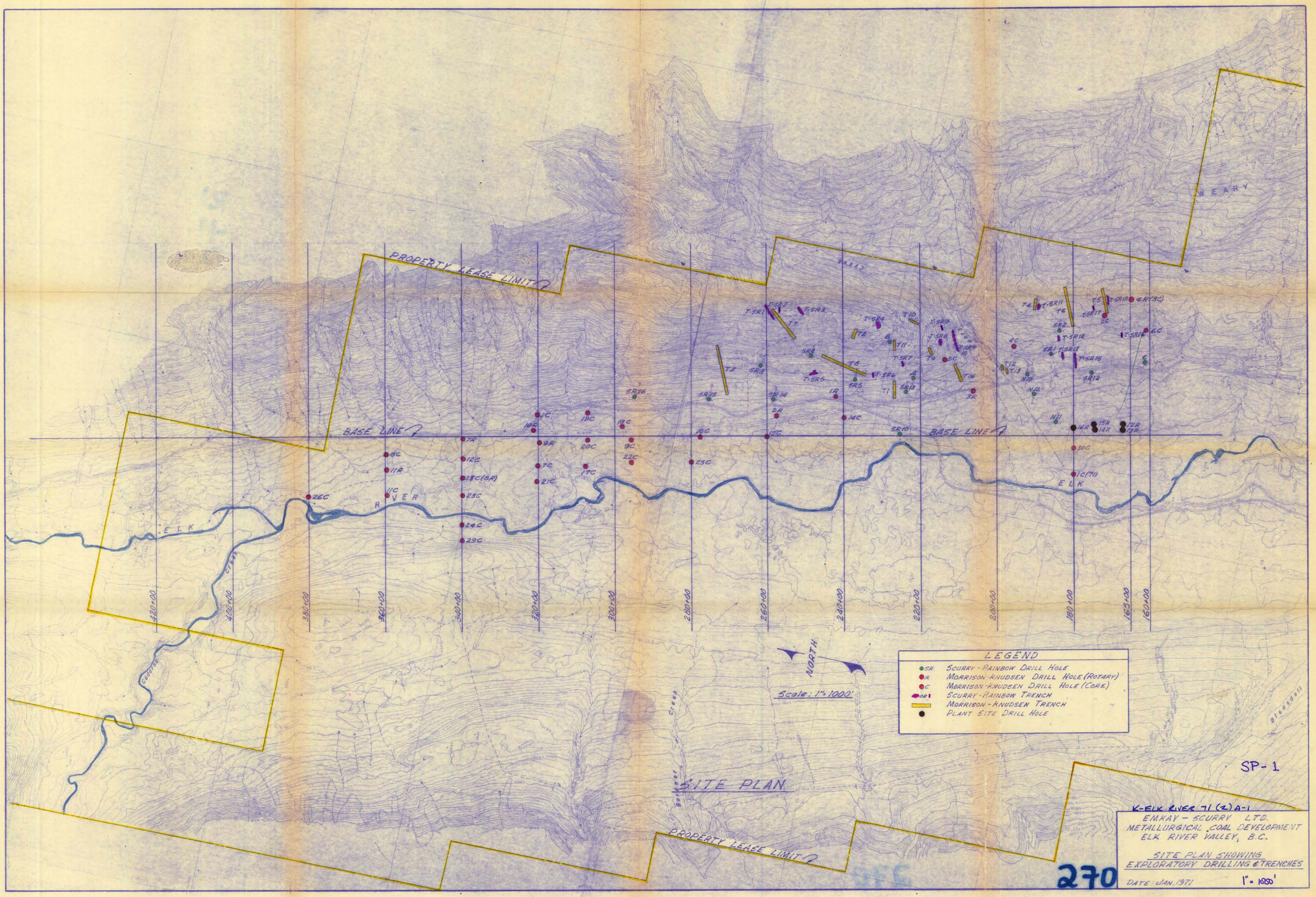
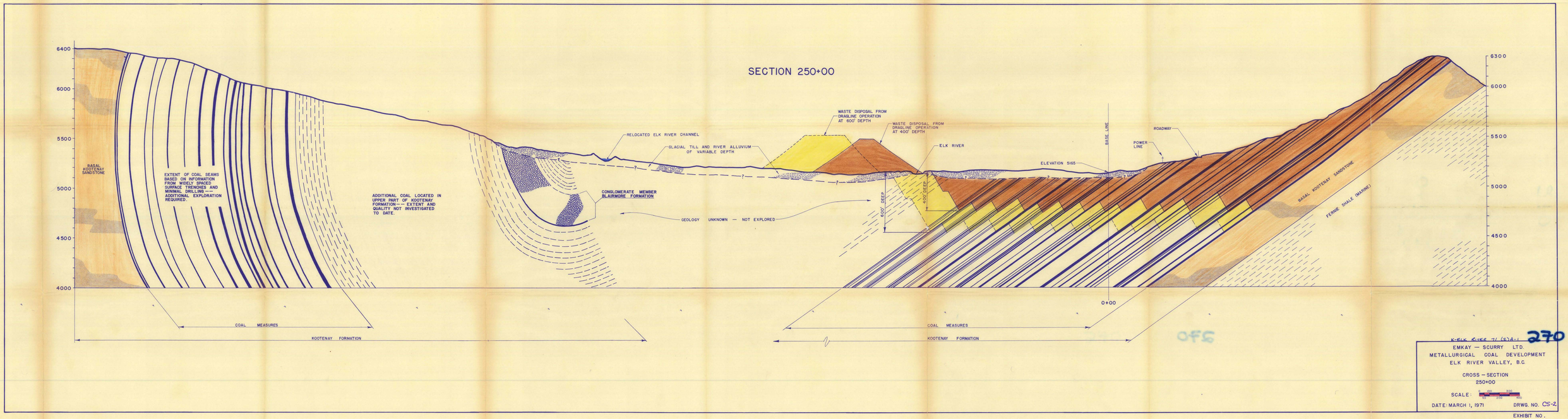

EXISTING FOREST SERVICE ROAD
HAUL ROAD
OVERBURDEN
WEST TOE OF SPOIL LIMITS TO MINE SEAM N218
ELK RIVER
65,000E
565,000
560,000
TOP OF DIKE ELEV. 5205±
DIKE
TAILING POND WATER LEVEL ELEV. 5200±
TOP OF SLAB ELEV. 5191.59
RECLAIM CONV.
125,000 TONS
STOCKPILE CONV.
200 TON SPLITTER BIN
RAW COAL BLENDING
CLEAR WATER RETURN
℄ RAILROAD
5200
5300
5400
5500
5600
5700
WASTE CONV.
WASH PLANT
CLEAN COAL STORAGE
30,000 TONS
SIZING SCREEN
SHOP
LOADOUT SILOS
RELOCATED FOREST SERVICE HIGHWAY
POWDER & CAP STORAGE
RAIL SPUR
CONSTRUCTION CAMP PARKING
CONSTRUCTION CAMP
ROAD
K-ELK RIVER 71(2).A-1
EMKAY SCURRY LTD.
COAL PROCESSING PLANT
TENTATIVE SITE PLAN
270
DRAWN BY: G.G.
SCALE: 1" = 200'-0
DWG. NO.
DESIGN BY:
APPROVED BY:
DATE: 1-11-71
5T
MORRISON-KNUDSEN COMPANY, INC.


PROPERTY LEASE LIMIT
BASE LINE
ELK RIVER
WEARY
NORTH
Scale: 1" = 1000'
LEGEND
SR Scurry-Rainbow Drill Hole
R Morrison-Knudsen Drill Hole (Rotary)
C Morrison-Knudsen Drill Hole (Core)
OR Scurry-Rainbow Trench
Morrison-Knudsen Trench
Plant Site Drill Hole
SITE PLAN
SP-1
K-ELK RIVER 71 (2) A-1
EMKAY - SCURRY LTD.
METALLURGICAL COAL DEVELOPMENT
ELK RIVER VALLEY, B.C.
SITE PLAN SHOWING
EXPLORATORY DRILLING & TRENCHES
DATE: JAN. 1971
1" = 1000'
270



K-ELK RIVER 71 (2)A-1 270

EMKAY — SCURRY LTD.
METALLURGICAL COAL DEVELOPMENT
ELK RIVER VALLEY, B.C.

CROSS — SECTION
250+00

SCALE: 0 100 200 300 400
0 50 100 200 400

DATE: MARCH 1, 1971 DRWG. NO. CS-2

EXHIBIT NO.

LEGEND

- ALLUVIUM — GRAVEL OF WEARY CREEK
- GLACIAL TILL — PEBBLES AND COBBLES IN DENSE CLAY MATRIX, CONTAINS A SMALL NUMBER OF BOULDERS UP TO 3-4' IN DIAMETER
- COAL SEAM — DASHED WHERE LOCATION APPROXIMATE
- KOOTENAY SANDSTONE
- 40° STRIKE AND DIP OF BEDS
- TEST ADIT
- DRILL HOLE (M-70-1C, M-70-1R) — EXPLORATORY HOLE DRILLED BY EMKAY SCURRY LTD. IN 1970, C DESIGNATES CORE HOLE, R DESIGNATES ROTARY HOLE
- DRILL HOLE (SR-1) — EXPLORATORY HOLE DRILLED BY SCURRY-RAINBOW LTD DURING 1969
- DRILL HOLE (N-1 or P-1) — EXPLORATORY HOLE DRILLED BY NORTH AMERICAN COAL CORP IN 1968
- DOZER TRENCH (T-70-1) DESIGNATES TRENCH EXCAVATED IN 1970 BY EMKAY SCURRY LTD. (T-SR-1) DESIGNATES TRENCH EXCAVATED IN 1969 BY SCURRY RAINBOW OIL CO.

Scale 200 0 200 400 600 Feet

K-ELK RIVER 71(6)2-1

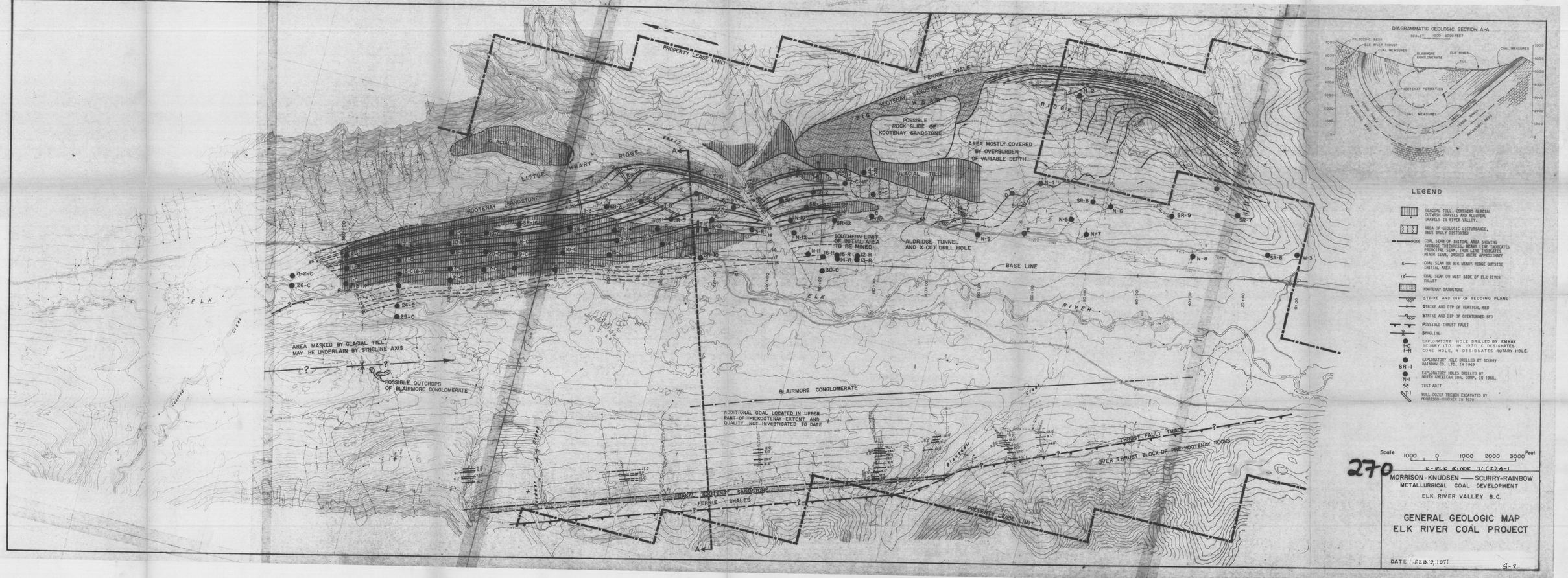
MORRISON-KNUDSEN — SCURRY-RAINBOW
METALLURGICAL COAL DEVELOPMENT
ELK RIVER VALLEY, B.C.

PORTION OF INITIAL STUDY AREA GEOLOGIC MAP

ELK RIVER COAL PROJECT

DATE: FEB. 8, 1971 G-1

270


PROPERTY LEASE LIMIT
FERNIE SHALE
KOOTENAY SANDSTONE
BIG WEARY RIDGE
POSSIBLE ROCK SLIDE OF KOOTENAY SANDSTONE
AREA MOSTLY COVERED BY OVERBURDEN OF VARIABLE DEPTH
GLACIAL TILL
LITTLE WEARY RIDGE
KOOTENAY SANDSTONE
SOUTHERN LIMIT OF INITIAL AREA TO BE MINED
ALDRIDGE TUNNEL AND X-CUT DRILL HOLE
BASE LINE
ELK RIVER
AREA MASKED BY GLACIAL TILL, MAY BE UNDERLAIN BY SYNCLINE AXIS
POSSIBLE OUTCROPS OF BLAIRMORE CONGLOMERATE
BLAIRMORE CONGLOMERATE
ADDITIONAL COAL LOCATED IN UPPER PART OF THE KOOTENAY - EXTENT AND QUALITY NOT INVESTIGATED TO DATE
THRUST FAULT TRACE
OVER THRUST BLOCK OF PRE-KOOTENAY ROCKS
BASAL KOOTENAY SANDSTONE
FERNIE SHALES
PROPERTY LEASE LIMIT
DIAGRAMMATIC GEOLOGIC SECTION A-A
SCALE 0 1000 2000 FEET
PALEOZOIC BEDS
ELK RIVER THRUST
COAL MEASURES
BLAIRMORE CONGLOMERATE
ELK RIVER
COAL MEASURES
KOOTENAY FORMATION
COAL MEASURES
FERNIE SHALE
PALEOZOIC BEDS
LEGEND
GLACIAL TILL, CONTAINS GLACIAL OUTWASH GRAVELS AND ALLUVIAL GRAVELS IN RIVER VALLEY.
AREA OF GEOLOGIC DISTURBANCE, BEDS BADLY DISTORTED
COAL SEAM OF INITIAL AREA SHOWING AVERAGE THICKNESS, HEAVY LINE INDICATES PAUNCIPAL SEAM, THIN LINE INDICATES MINOR SEAM, DASHED WHERE APPROXIMATE
COAL SEAM ON BIG WEARY RIDGE OUTSIDE INITIAL AREA
COAL SEAM ON WEST SIDE OF ELK RIVER VALLEY
KOOTENAY SANDSTONE
STRIKE AND DIP OF BEDDING PLANE
STRIKE AND DIP OF VERTICAL BED
STRIKE AND DIP OF OVERTURNED BED
POSSIBLE THRUST FAULT
SYNCLINE
EXPLORATORY HOLE DRILLED BY EMKAY SCURRY LTD. IN 1971. C DESIGNATES CORE HOLE, R DESIGNATES ROTARY HOLE.
EXPLORATORY HOLE DRILLED BY SCURRY RAINBOW CO., LTD., IN 1969
EXPLORATORY HOLES DRILLED BY NORTH AMERICAN COAL CORP. IN 1968.
TEST ADIT
BULL DOZER TRENCH EXCAVATED BY MORRISON-KNUDSEN IN 1970
Scale 1000 0 1000 2000 3000 Feet
270
K-ELK RIVER 71(2)A-1
MORRISON-KNUDSEN — SCURRY-RAINBOW
METALLURGICAL COAL DEVELOPMENT
ELK RIVER VALLEY B.C.
GENERAL GEOLOGIC MAP
ELK RIVER COAL PROJECT
DATE FEB. 9, 1971
G-2.

REACH #4
REACH #5
REACH #6
REACH #7
WEARY CREEK RELOCATION
REACH #8
REACH #9
WASTE DISPOSAL
POWER LINE
BASE LINE 7
ELK
RECLAMATION UNDERWAY IN THIS AREA
SURFACE DRAINAGE COLLECTION CHANNEL
COAL PREPARATION PLANT AND TRAIN LOADING FACILITIES
RAW COAL STOCK PILING AND BLENDING FACILITIES
INITIAL STAGE TAILINGS DAM
ULTIMATE TAILINGS DAM
K-ELK RIVER 7(2)A-1

EMKAY — SCURRY LTD.
METALLURGICAL COAL DEVELOPMENT
ELK RIVER VALLEY, B.C.
MINING DEVELOPMENT TO COMPLETION OF REACH 5

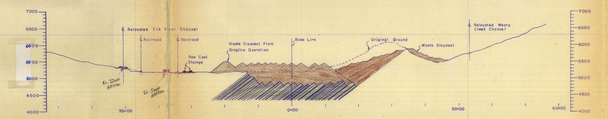
270

SCALE: 0 250 750 / 125 500 1000

DATE: FEB. 9, 1971

DRWG. NO. MD-1

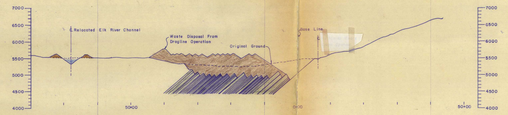
EXHIBIT NO.



SECTION THRU BASE LINE STATION 230+00

SCALE: 0 500 1000

1" = 1,000'



SECTION THRU BASE LINE STATION 400+00

SCALE: 0 500 1000

1" = 1,000

PROPERTY LINE

RIDGE

WEARY

ACROPOLIS CREEK

RELOCATED WEARY CREEK CHANNEL

ACROPOLIS CREEK EXPLORATION CAMP

ACROPOLIS CREEK DIVERSION CHANNEL

RELOCATED KAN-ELK TRANSMISSION LINES

RELOCATED ELK RIVER CHANNEL

EXISTING FOREST SERVICE HIGHWAY

RELOCATED FOREST SERVICE HIGHWAY

LITTLE WEARY RIDGE

BASE LINE 100+00

BASE LINE 150+00

BASE LINE 200+00

BASE LINE 250+00

BASE LINE 300+00

BASE LINE 350+00

BASE LINE 400+00

ELK RIVER

INTERCEPTOR CHANNEL FOR EAST RIVER DRAINAGE

WASTE DISPOSAL FROM DRAGLINE OPERATION

ORIGINAL GROUND

RAW COAL STOCKPILING AND SCREENING FACILITIES

INITIAL STAGE TAILINGS DAM

ULTIMATE TAILINGS DAM

COAL PREPARATION PLANT AND TRAIN LOADING FACILITIES

MINE DRAINAGE CHANNEL AND SETTLEMENT BASIN

RELOCATED KAN-ELK TRANSMISSION LINE

RELOCATED FOREST SERVICE HIGHWAY

RELOCATED ELK RIVER CHANNEL

BITUMINOUS COAL LEASE No. 2 (Proposed)

BITUMINOUS COAL LEASE No. 1 (Proposed)

PROPERTY LINE

270 K-ELK RIVER 7 (6) A-1

EMKAY — SCURRY LTD.
METALLURGICAL COAL DEVELOPMENT
ELK RIVER VALLEY, B.C.

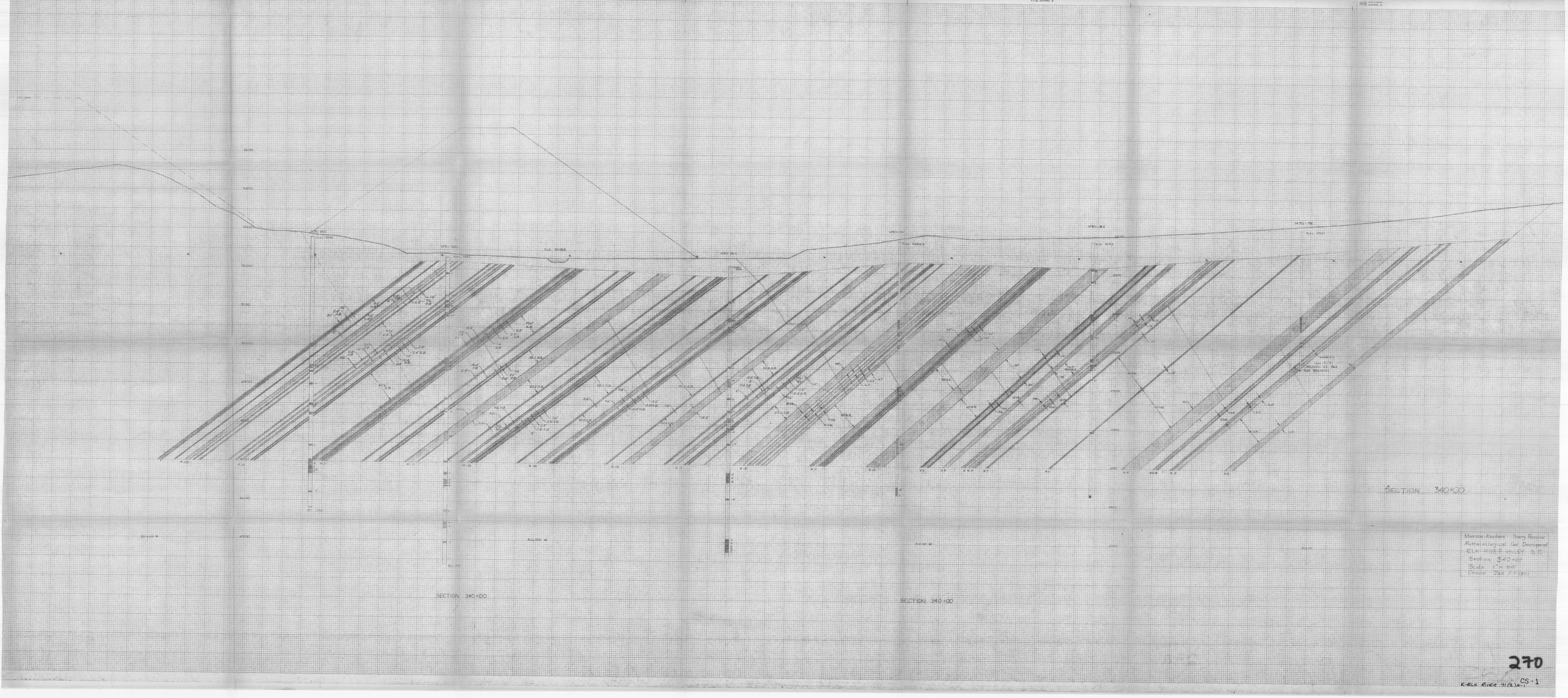
GENERAL ARRANGMENT
OF MINE DEVELOPMENT

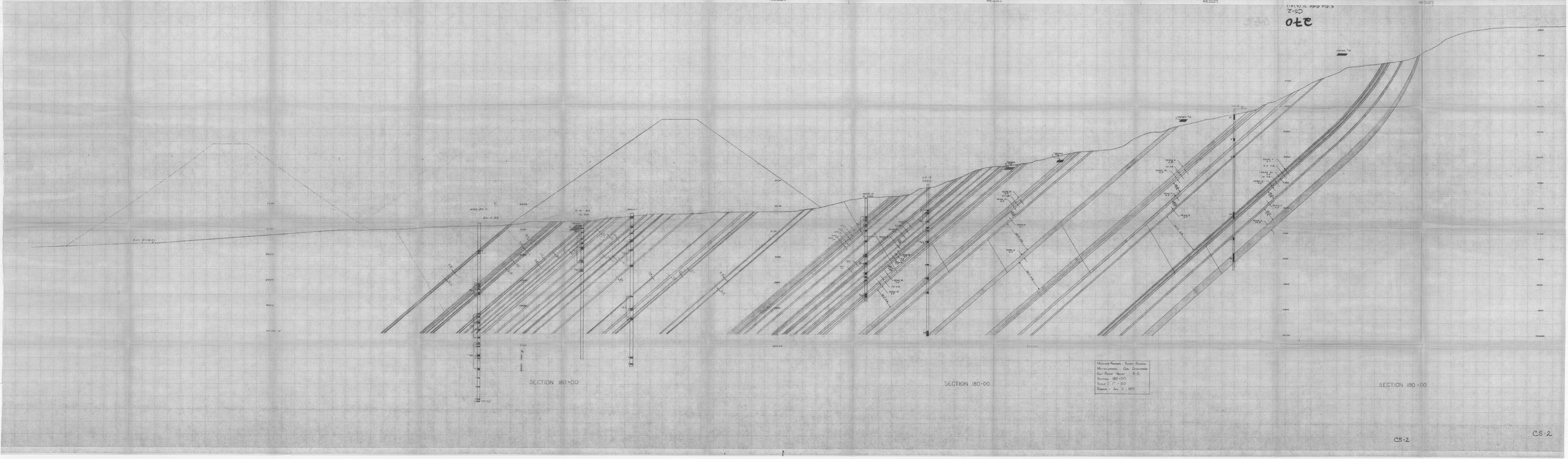
SCALE: 0 1000 2000 3000

DATE: FEB. 9, 1971

DRWG NO. MD-2

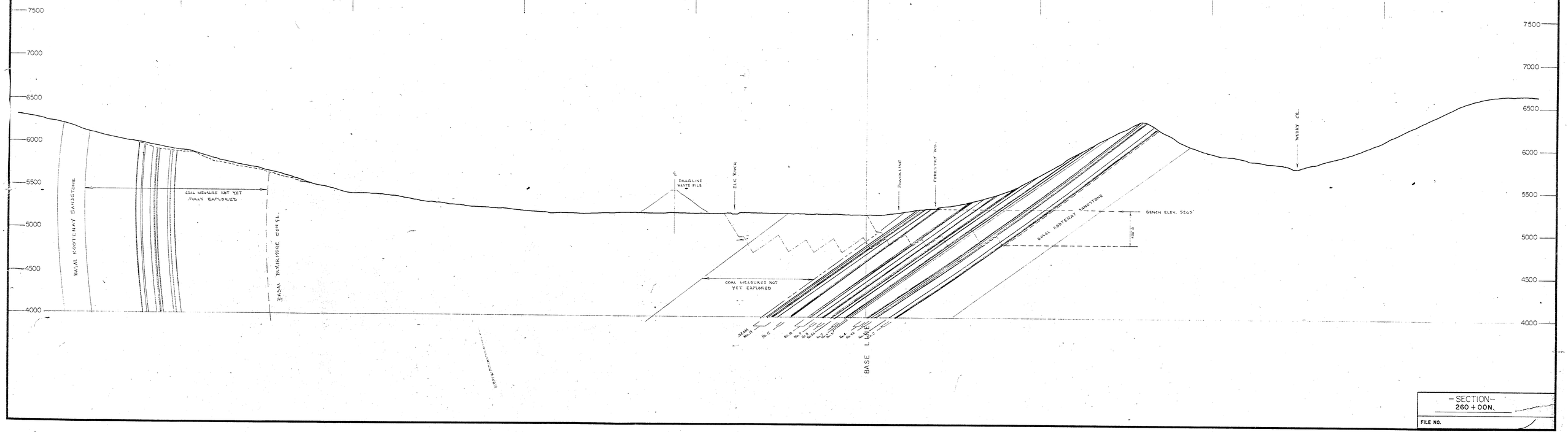
1


SECTION 340+00
SECTION 340+00
SECTION 340+00
Morrison-Knudsen Scarry Rainbow
Mattalallurgical Coal Development
ELK RIVER VALLEY S.C.
Section 340+00
Scale 1" = 50'
Drawn Jan 11 - 1971
270
CS-1
K-ELK RIVER 71(2)A-1

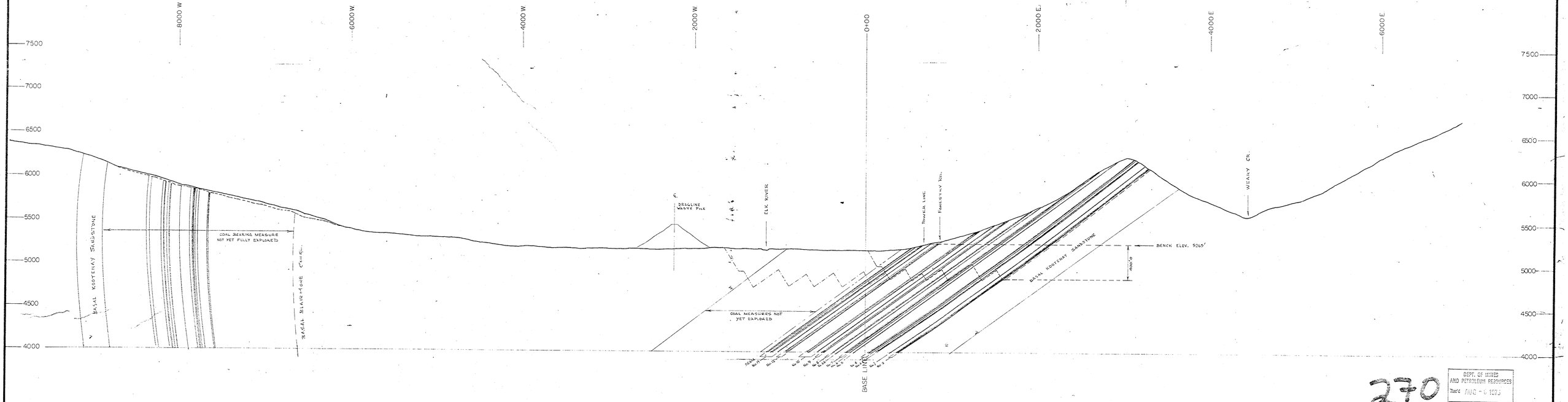


SECTION 180+00
SECTION 180+00
SECTION 180+00
Mustard Hanger - Sunset Tunnel
Metalurgical Corp. Dinamarca
Est. Pierre Vieux B.C.
Section 180+00
Scale: 1" = 150'
Drawn - Jan. 11, 1971
CS-2
CS-2

LOOKING NORTH



LOOKING NORTH



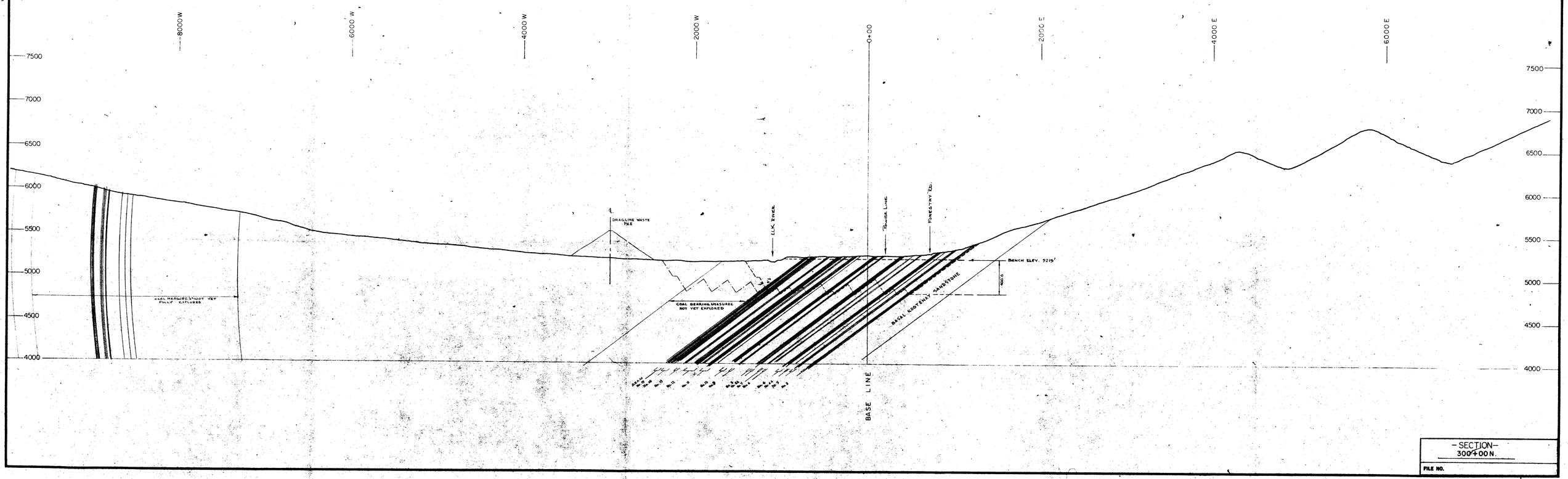
270

DEPT. OF MINES AND PETROLEUM RESOURCES
Rec'd AUG - 6 1973

K-ELK RIVER 71(2)A-2

DRAWN AG	SCALE 1"=400'	SCURRY-RAINBOW OIL LTD.	-SECTION- 240+00N. CS-3
TRACED	DATE MAY 1971	ELK RIVER COAL PROJECT. —BRITISH COLUMBIA—	
APPROVED			FILE NO.

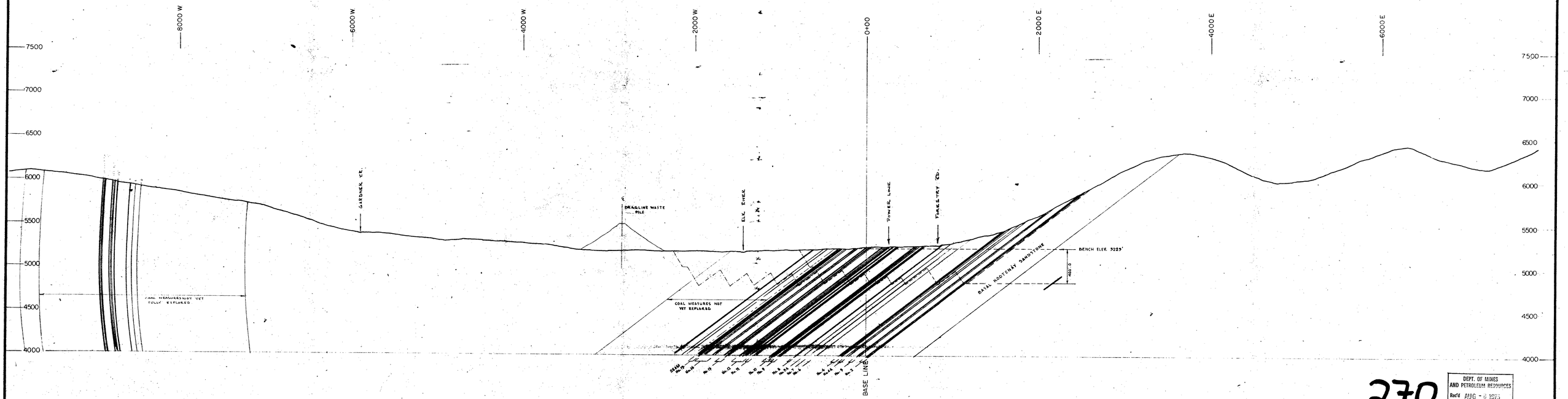
LOOKING NORTH



– SECTION –
300+00 N.

FILE NO.

LOOKING NORTH



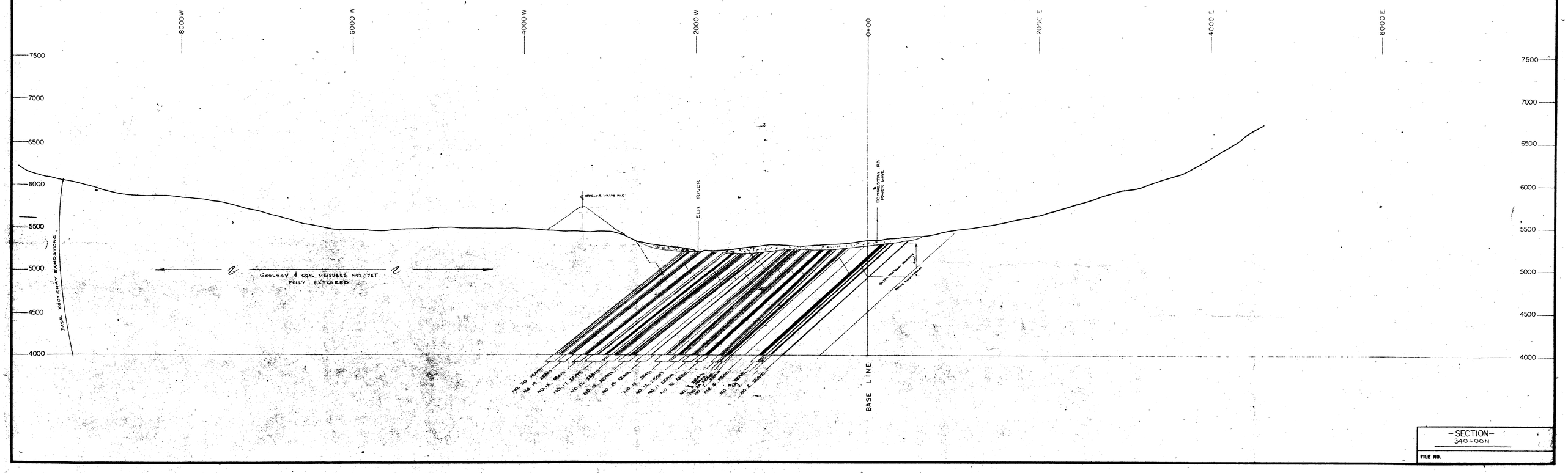
270

DEPT. OF MINES AND PETROLEUM RESOURCES
Rec'd AUG - 6 1975

K-ELK RIVER 71(2)4-2

DRAWN A.A.	SCALE 1"=400'	SCURRY-RAINBOW OIL LTD.	– SECTION – 280+00 N.
TRACED	DATE MAY 1971	ELK RIVER COAL PROJECT. – BRITISH COLUMBIA –	FILE NO. CS-4
APPROVED			

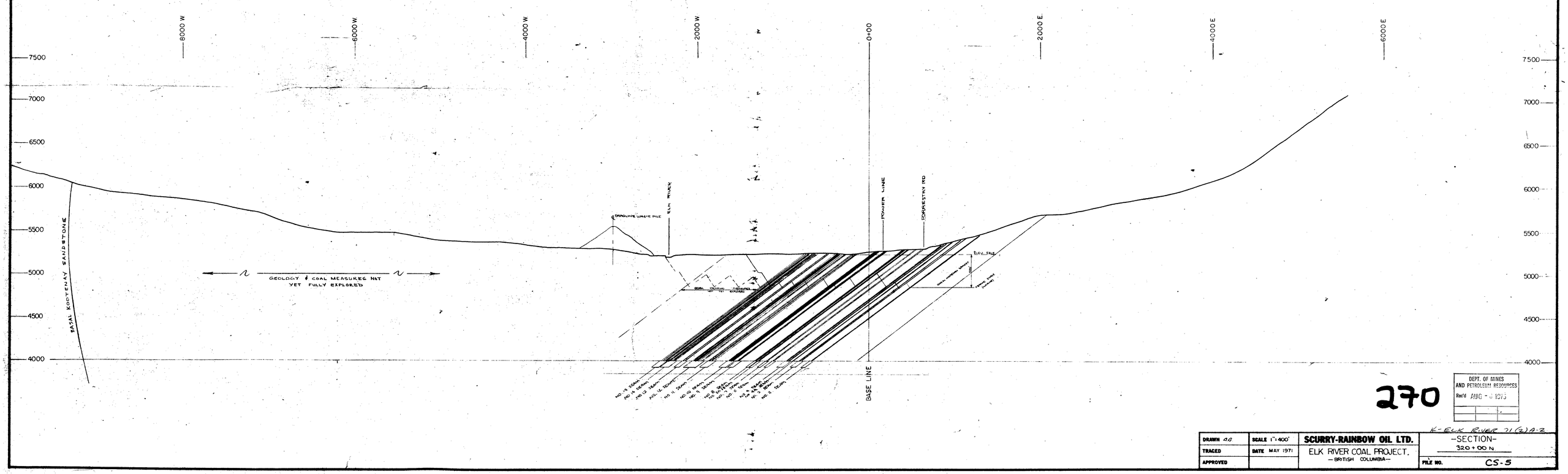
LOOKING NORTH



— SECTION —
340+00N

FILE NO.

LOOKING NORTH



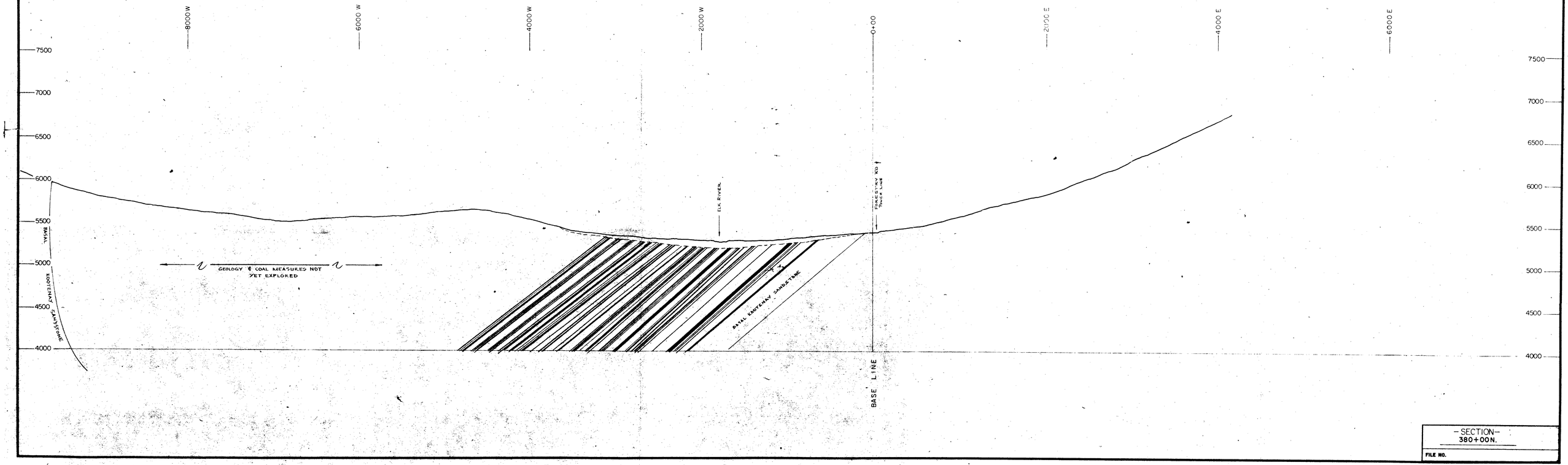
270

DEPT. OF MINES AND PETROLEUM RESOURCES
Rec'd AUG - 6 1975

K-ELK RIVER 21(6)A-2

DRAWN A.D.	SCALE 1"=400'	SCURRY-RAINBOW OIL LTD.	— SECTION — 320+00 N
TRACED	DATE MAY 1971	ELK RIVER COAL PROJECT. — BRITISH COLUMBIA —	FILE NO. CS-5
APPROVED			

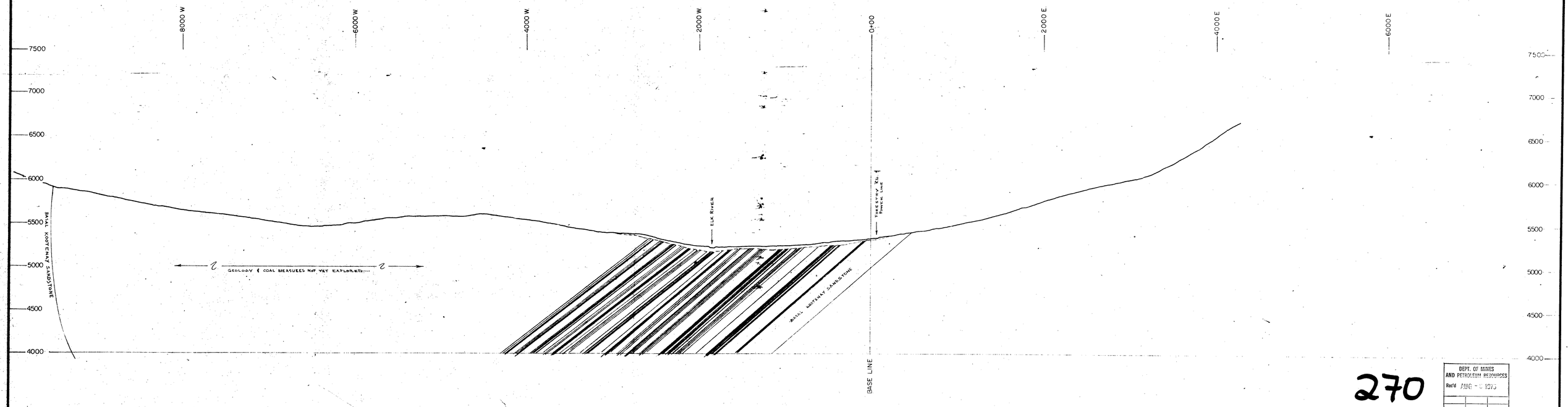
LOOKING NORTH



-SECTION-
380+00N.

FILE NO.

LOOKING NORTH



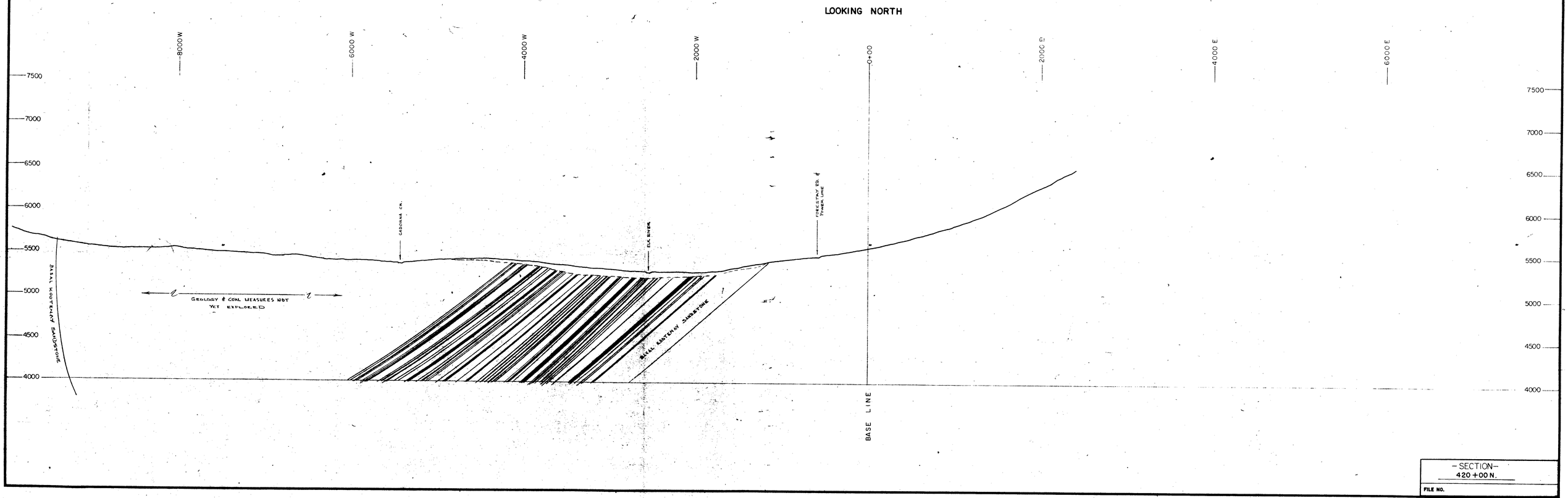
270

DEPT. OF MINES AND PETROLEUM RESOURCES
Rec'd AUG - 5 1975

E-ELK RIVER 71(2)A-2

DRAWN AG	SCALE 1"=400'	SCURRY-RAINBOW OIL LTD.	-SECTION- 360+00N.
TRACED	DATE MAY 1971	ELK RIVER COAL PROJECT. — BRITISH COLUMBIA —	FILE NO. CS-6
APPROVED			

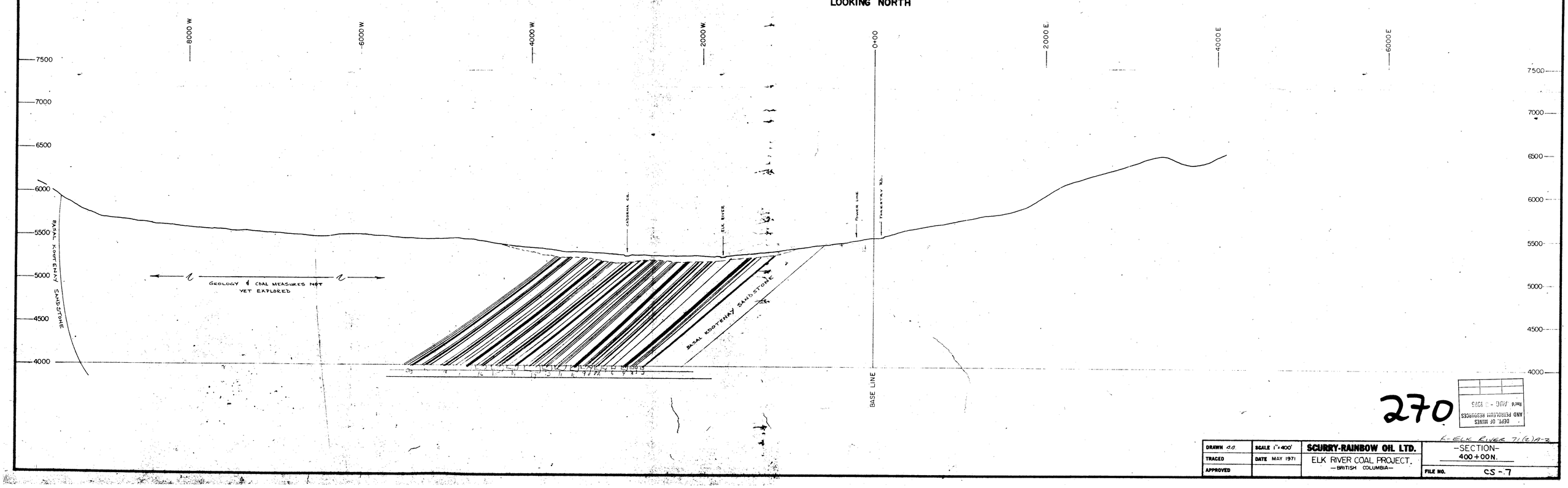
LOOKING NORTH



– SECTION –
420 + 00 N.

FILE NO.

LOOKING NORTH



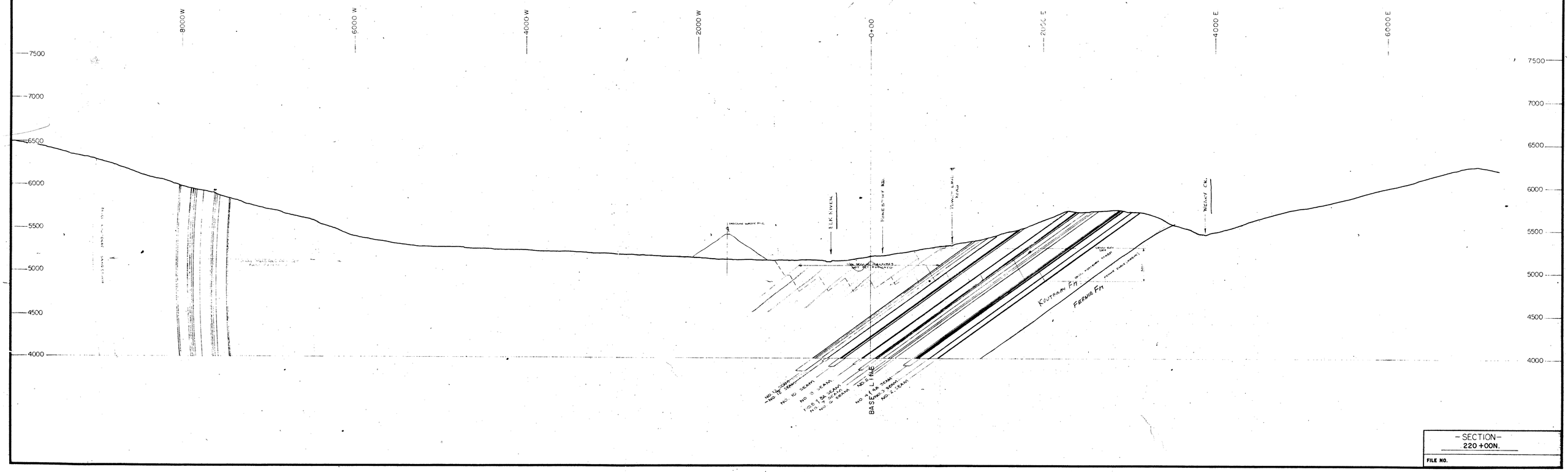
270

DEPT. OF MINES AND PETROLEUM RESOURCES
RECD AUG - 3 1976

K-ELK RIVER 7(c)A-2

DRAWN A.D.	SCALE 1"=400'	SCURRY-RAINBOW OIL LTD.	– SECTION – 400 + 00 N.
TRACED	DATE MAY 1971	ELK RIVER COAL PROJECT. — BRITISH COLUMBIA —	
APPROVED			FILE NO. CS-7

LOOKING NORTH



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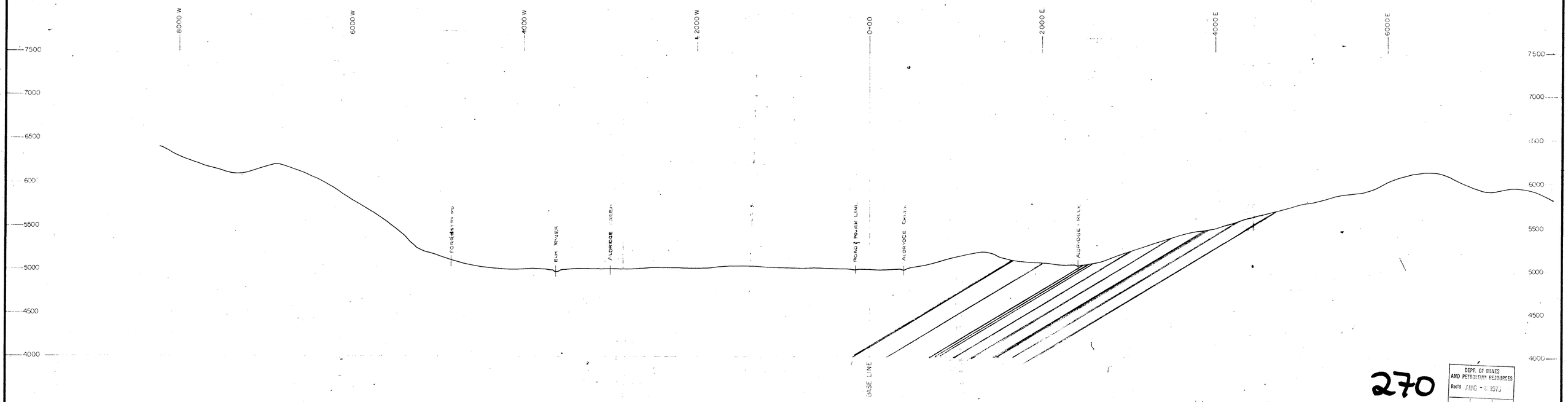


270

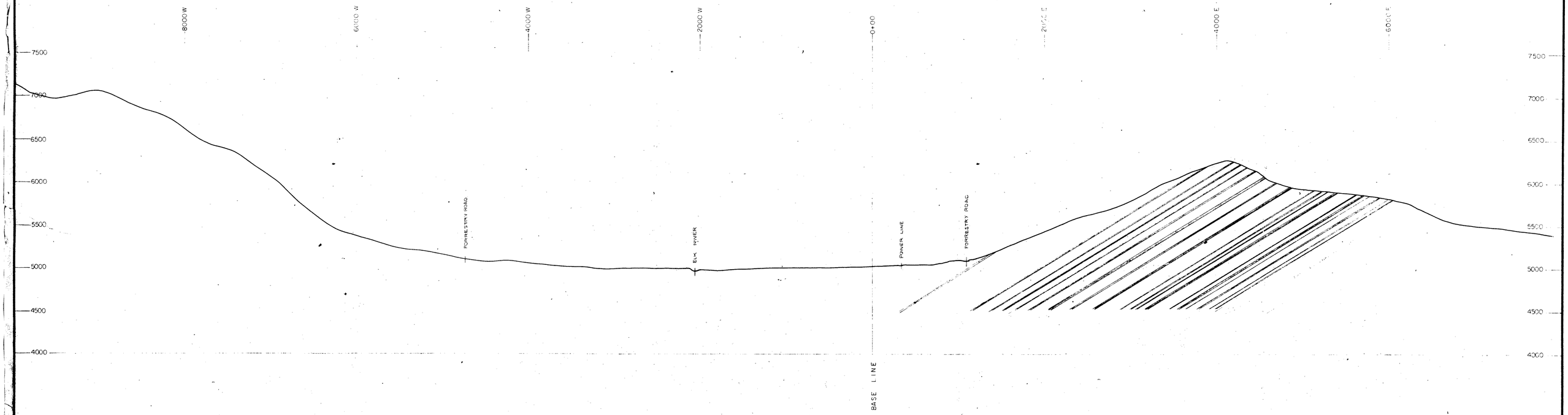
DEPT. OF MINES AND PETROLEUM RESOURCES
Rec'd AUG - 6 1973

K-ELK RIVER 71(3)A-2

DRAWN A.A.	SCALE 1"=400'	SCURRY-RAINBOW OIL LTD.	-SECTION- 220+00N.
TRACED	DATE MAY 1971	ELK RIVER COAL PROJECT. — BRITISH COLUMBIA —	FILE NO.
APPROVED			

DRAWN A.A.	SCALE 1"=400'	SCURRY-RAINBOW OIL LTD.	-SECTION- 0+00
TRACED	DATE MAY 1971	ELK RIVER COAL PROJECT. — BRITISH COLUMBIA —	FILE NO. CS-8
APPROVED			

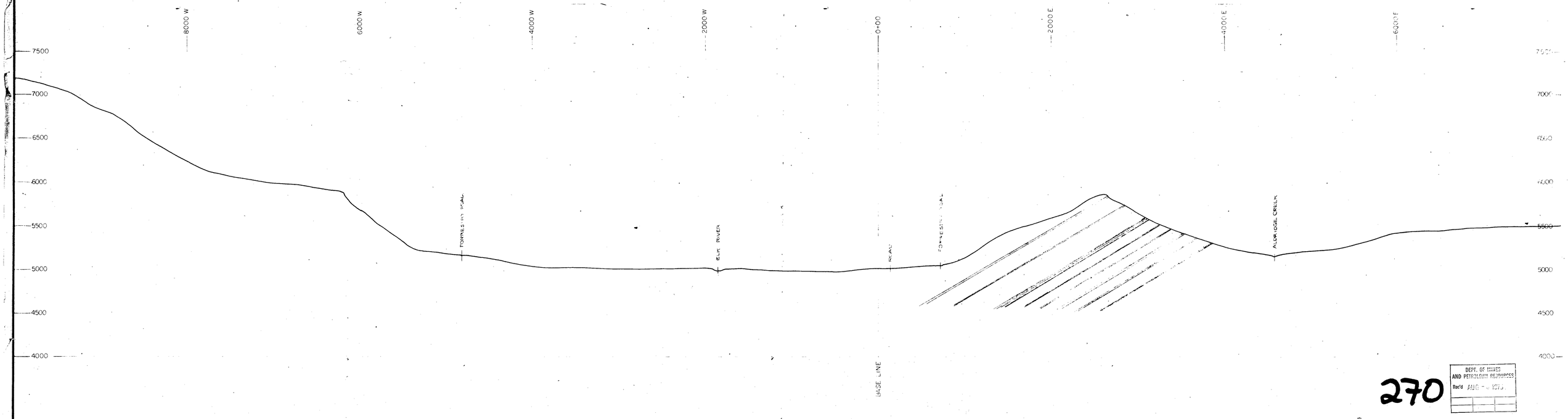
LOOKING NORTH



-SECTION-
40+00N.

FILE NO.

LOOKING NORTH



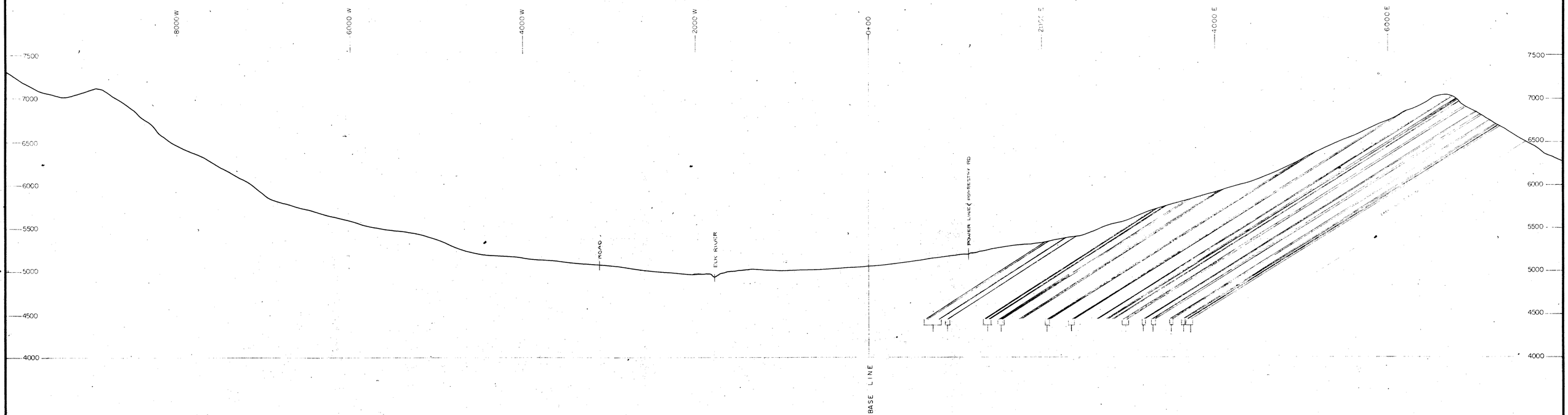
270

DEPT. OF MINES AND PETROLEUM RESOURCES
Rec'd AUG - 4 1971

K-ELK RIVER 71(6)A-3

DRAWN AB	SCALE 1"=400'	SCURRY-RAINBOW OIL LTD.	-SECTION-
TRACED	DATE MAY 1971	ELK RIVER COAL PROJECT.	20+00 N.
APPROVED		— BRITISH COLUMBIA —	FILE NO. CS-9

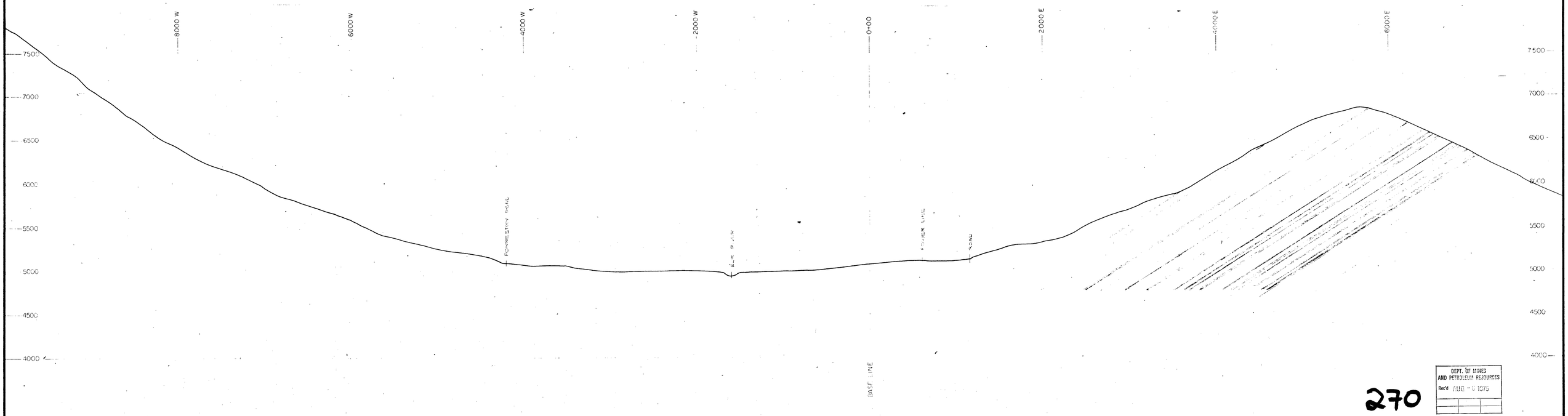
LOOKING NORTH



-SECTION-
80+00N.

FILE NO.

LOOKING NORTH



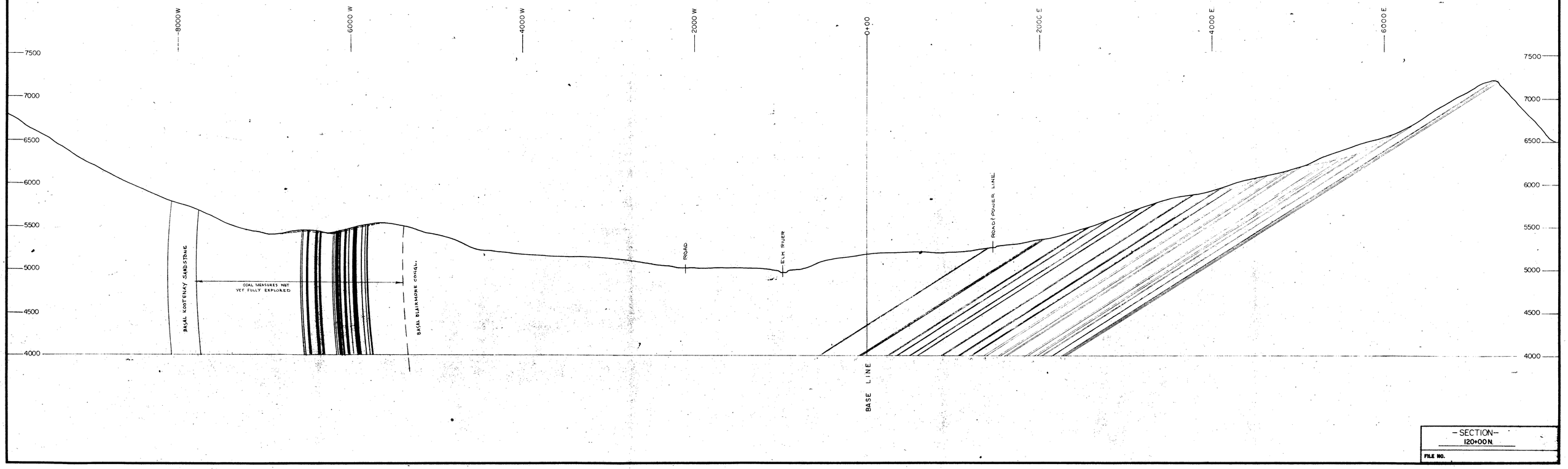
DEPT. OF MINES
AND PETROLEUM RESOURCES
Rec'd JUL - 6 1970

270

K-ELK RIVER 71(2)9-2

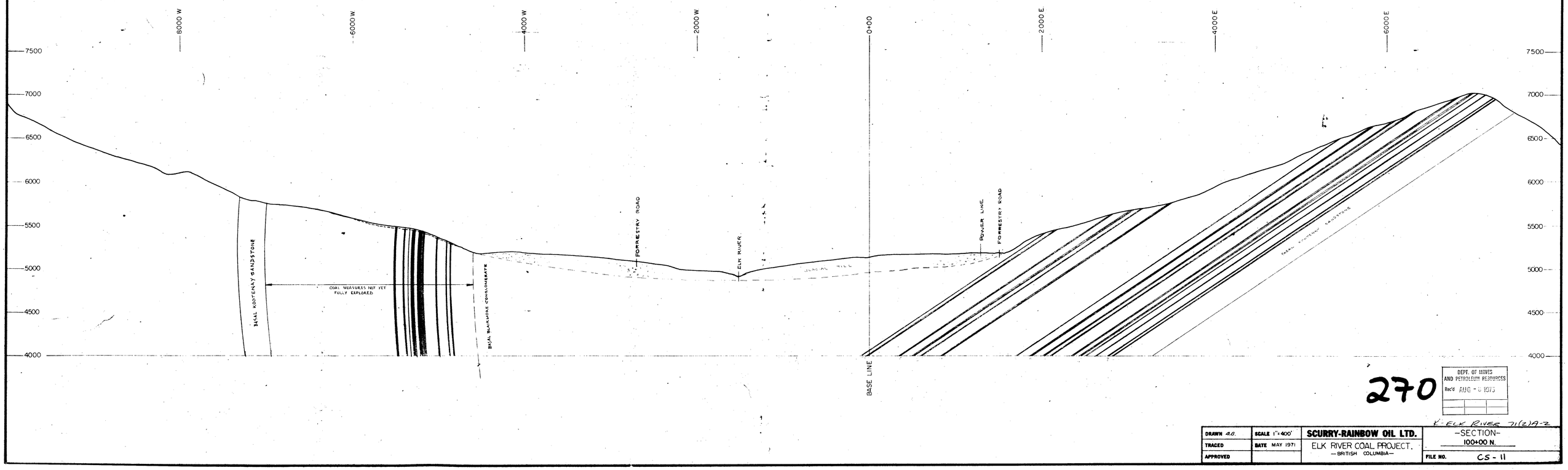
DRAWN A.D.	SCALE 1"=400'	SCURRY-RAINBOW OIL LTD.	-SECTION-
TRACED	DATE MAY 1971	ELK RIVER COAL PROJECT.	60+00 N.
APPROVED		—BRITISH COLUMBIA—	FILE NO. CS - 10

LOOKING NORTH



– SECTION –
120+00N.
FILE NO.

LOOKING NORTH



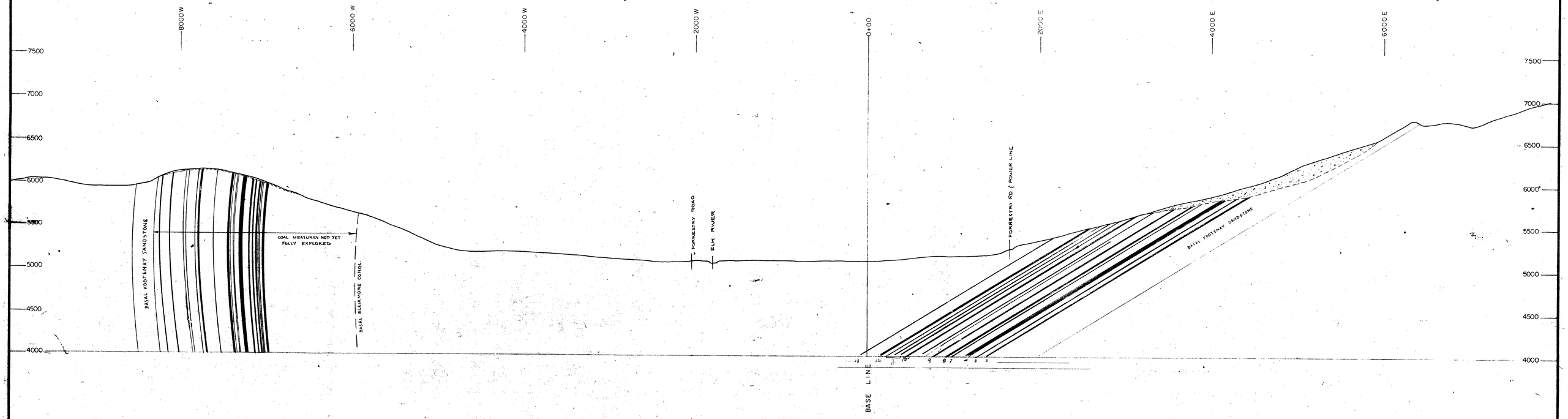
270

DEPT. OF MINES AND PETROLEUM RESOURCES
Rec'd AUG - 6 1975

K-ELK RIVER 7(2)A-2

DRAWN A.G.	SCALE 1"=400'	SCURRY-RAINBOW OIL LTD.	–SECTION– 100+00 N.
TRACED	DATE MAY 1971	ELK RIVER COAL PROJECT. —BRITISH COLUMBIA—	
APPROVED			FILE NO. CS-11

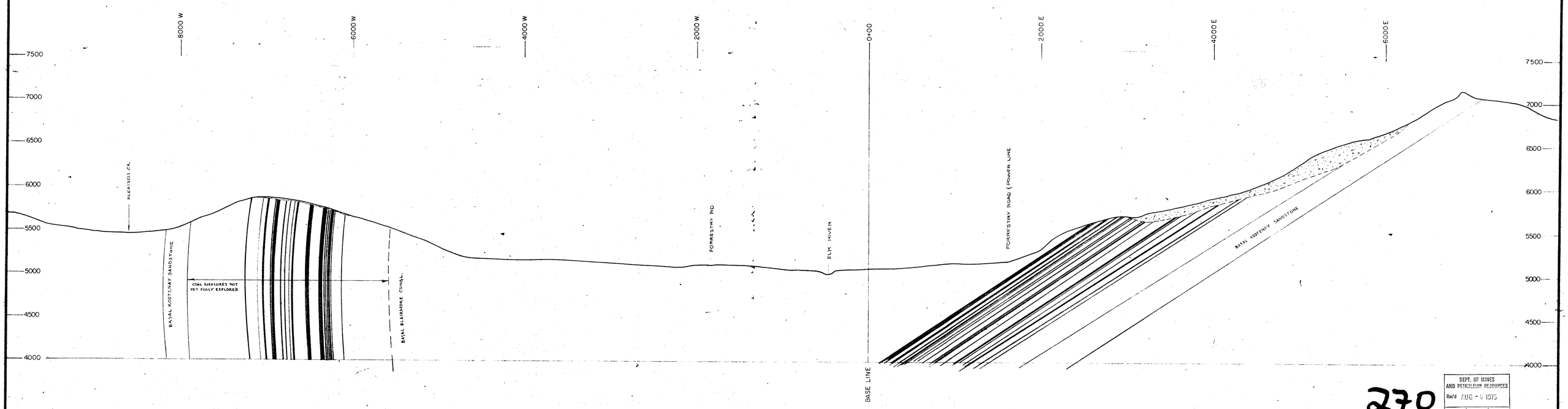
LOOKING NORTH



– SECTION –
160+00 N

FILE NO.

LOOKING NORTH



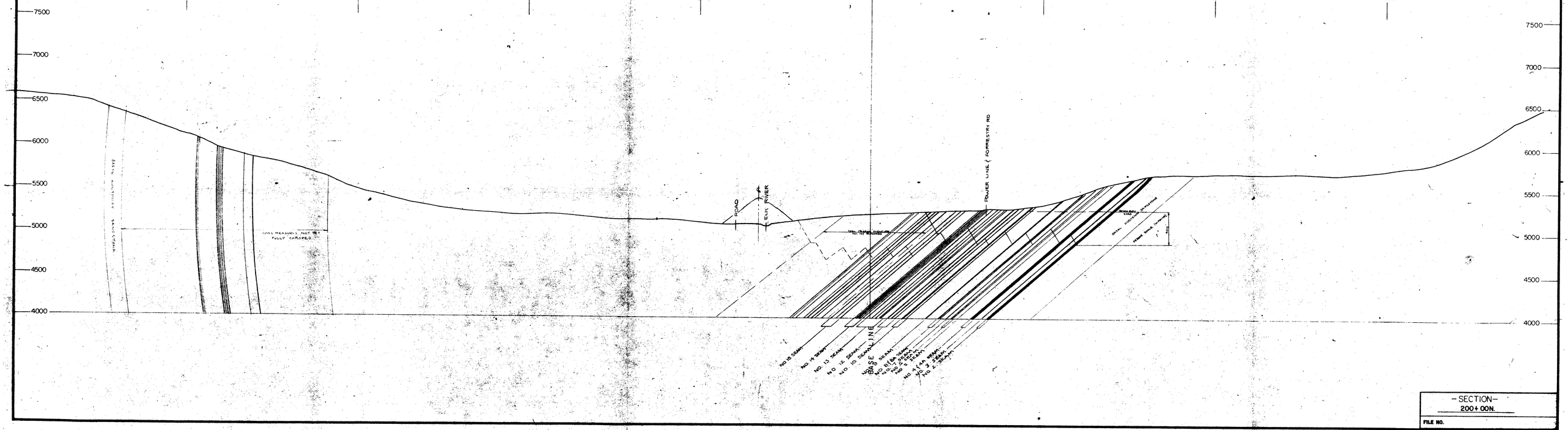
DEPT. OF MINES AND PETROLEUM RESOURCES
Rec'd AUG - 6 1975

270

K-ELK RIVER 71(6)A-2

DRAWN A.D.	SCALE 1"=400'	SCURRY-RAINBOW OIL LTD.	– SECTION – 140+00 N
TRACED	DATE MAY 1971	ELK RIVER COAL PROJECT. — BRITISH COLUMBIA —	FILE NO. CS - 12
APPROVED			

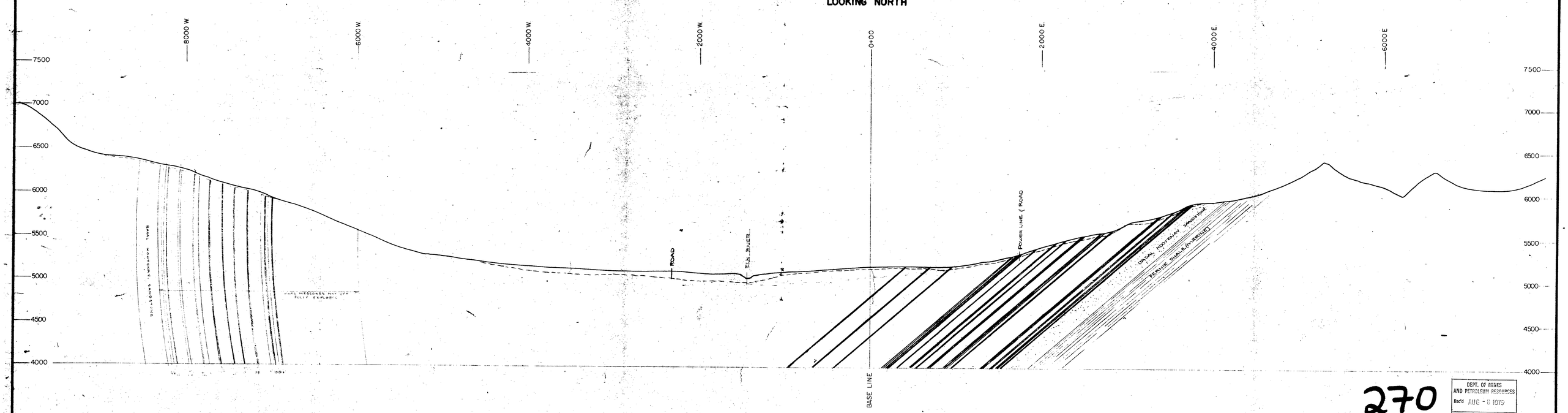
LOOKING NORTH



— SECTION —
200+00N.

FILE NO.

LOOKING NORTH



270

DEPT. OF MINES AND PETROLEUM RESOURCES
Rec'd AUG - 6 1973

K-ELK RIVER 71(2)93

DRAWN A.D.	SCALE 1"=400'	SCURRY-RAINBOW OIL LTD.	— SECTION — 180+00 N.
TRACED	DATE MAY 1971	ELK RIVER COAL PROJECT. — BRITISH COLUMBIA —	FILE NO. CS-13
APPROVED			