

NOTE: Data projected from Burnt Ridge Extension Area.

## LEGEND



COAL





SHALE



SILTSTONE



SANDSTONE



CONGLOMERATE

COAL THICKNESS (SEAM NO.)

## KAISER RESOURCES

GENERALIZED STRATIGRAPHIC COLUMN

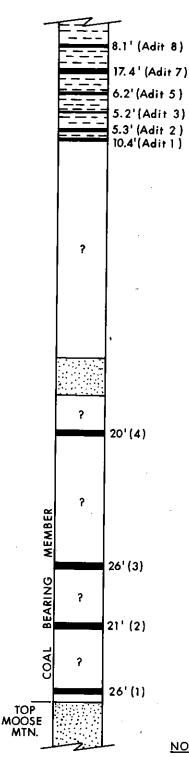
FOR

BURNT RIDGE EXTENSION NORTH

DWN: R.E.T.	SCALE: 1" - 262'
DATE : MAY 1975	FIG. NO.: 4

K-BIRNT RIOGE 15/6/A





NOTE: Burnt Ridge Extension East Section projected from Ewin Creek Licence Area.

### LEGEND

COAL

SANDSTONE



SHALE



CONGLOMERATE



SILTSTONE

COAL THICKNESS (SEAM NO.)

## KAISER RESOURCES

GENERALIZED STRATIGRAPHIC COLUMN

FOR

BURNT RIDGE EXTENSION EAST

DWN: R. E.T. SCALE: 1" - 400'

DATE: MAY 1975 FIG. NO.: 3

263

# RESERVE ESTIMATE - (0-1500' COVER)

		PITCH 0-15° PITCH 15°-								-30°				F	PITCH	30	-90	9		CUMULATIVE TOTALS - RECOVERABLE RESERVES													
SEAM	AVG. THICK.	TONS IN PLACE	RESERVE MINII CLASS. METH	IG TO	ONS	CALC.	AT	TONS WASHED	TONS IN PLACE	RESER	VE MINING	TONS	CALC. AT YIELD SP. G	ТОІ	NS TO	ONS IN PLACE	RESERVE MI	NING	TONS	CALC.	AT	TONS	OPE	N PIT MI						ROUND HY	DRAULIC		
		(000's)	OEASS. METH	CO (O	00's)	TIELU S	P. GR.	(000's)	(000's)	CLAS	S, METHOD	(OOO's)	YIELD SP. G	R. WASH	HED (	PLACE (000's)	CLASS. ME	THOD R	TONS RECOVERED (000's)	YIELD	SP. GR.	TONS WASHED (000's)	PROVEN	PARTIALLY EXPLORED	PROJECTED	PROVEN	PARTIALLY EXPLORED		PROVEN	PARTIALLY EXPLORED	PROJECTED	TOTALS	S NA
7	35					57.8	1.50	· · · · · · · · · · · · · · · · · · ·						·	6,	1,483	BA	1,0	33,747	57.8	1.50	19,506		4,219						15,287		19,506	
6	16					82.8	1.50								8	8,876	B	2,0	1,522	82.8	1.50	1,260		192			1,068			1,3,23,		ļ	
5	16	<del> </del>			•	*50									/0	0,001	В		1,500	* 50		750					750	-				1,260 750	
4	20	<u> </u>				84.4 /	.50								3,	1,593	B H		12,309	84.4	1.50	10,389		609			1,369			8,411		10,389	+
3	37					50					!				48	8,567	B F	1.0	24,744	* 50		12,372		559						11,813		12,372	
2	21					79.7 1.						,				7,785	В	H	3,893	79.7	1.50	3,102								3, 102		3,/02	
<del>/ </del>	26					73.8 /	1.50								9	,603	В	H	4,802	73.8	1.50	3,544								3,544		3,544	
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RT. EX																		ļ							İ						<b>+ +</b>		-
ROJEC	TED ·														177	7,908		8	2,517	•	-	50, 923		5, 57 <b>9</b>			3,187			42,157		50,923:	4
TOTA	LS														100	7 000									<u> </u>	<u> </u>							+
TE //\ A			from observations.	/·					) Pasarua Clossif	1					1///	7, 908			2,517			50,923	<u></u>									50,923	

NOTE: (1) Average thickness computed from observations. (ie. drill holes, adit and outcrop measurements.)
(2)(i) Tons in place (cu. yds.) determined from (a) Area of unmined coal.

- (b) Average thickness as determined from (1)
- (ii) I cutyd, of coal in place = 1·15 net tons raw.
- (iii) Slope correction applied to (2)(i)(a). (Area of unmined coal.) as follows:
- (a) For 0°-15° pitch -correction of 7½° applied to area.
- (b) For 15°-30° pitch -correction of 22½° applied to area.
- (c) For 30°-90° pitch correction of 45° applied to area.

- (3) Reserve Classification Definitions for KRL property.
- A Proven Reserves (In Place) -

Tons of coal (I-15nt/cu.yd.) in the ground computed from observations (ie. drill holes, adits, outcrops, mine workings) spaced at intervals of 0-5 miles or less in areas of good geological continuity, with seam thickness greater than 5 feet and under less than 2500 feet of overburden.

B - Partially Explored Reserves - (In Place) -

Tons of coal (1-15 nt/cu.yd.) in the ground computed partially from observations generally spaced at intervals from 0-5 to 1-5 miles apart and partially from reasonable geological projections. Minimum seam thickness is 5 feet, and maximum overburden 2500 feet. Generally equivalent to "Probable" or "Indicated" in other systems of nomenclature.

C - Projected Reserves - (In Place) -

Tons of coal (1·15 nt/cu.yd.) in the ground where little direct evidence is available but where geological studies have indicated the continuity of the coal bearing measures. Coal seam thickness projected from adjacent areas.

### (4) Mining Method -

- H Probably better suited to hydraulic mining method. Used 50% recovery.
- C Probably suited to conventional room and pillar method. Used 15% recovery.
- R Probably suited to selective mining because of splits or proximity to other seams.

  Used 15% recovery.
- O-Open Pit reserve. Assumed 85% recovery.

### (5) Reserves Recoverable -

Proven Reserves (Recoverable) -

Proven Reserves (In Place) adjusted by well substantiated factors for mining and washing recovery.

Partially Explored Reserves (Recoverable) --

Partially Explored Reserves (in Place) adjusted by generalized factors for mining and washing recovery.

- (6) Calculated yield (laboratory) at defined specific gravity arrived at
- by (a) bulk sample wash tests from adits and/or test pits, or (b) micro sample wash tests from adits and/or test pits.

AREA: TABLE Nº:

# RESERVE ESTIMATE - (1500'- 2500' COVER)

		PITCH 0-15° PITCH 15°-30°														PITCH	- 30°	-90			CUMULATIVE TOTALS — RECOVERABLE RESERVES											
SEAM AVG. NAME THICK	TONS IN	N RESER	VE MINING	TONS RECOVERE	CALC.	AT SP. GR.	TONS WASHED	TONS IN PLACE	RESERVE	MINING	TONS RECOVERED	CALC.	AT	TONS	TONS IN	RESERVE	MINING	TONS	CALC	ΔΤ	TONS	OPE	EN PIT MI				VENTIONAL				0544	
	( 000's)	) CLAS	S. METHOU	(000's)	TO THELD	SP. GR.	(000's)	(000's)	CLASS.	METHOD	RECOVERED (000's)	YIELD	SP. GR.	TONS WASHED (000's)	TONS IN PLACE (000's)	CLASS.	METHOD	TONS RECOVERED (000's)	YIELD	SP. GR.	TONS WASHED (000's)	PROVEN	PARTIALLY EXPLORED	PROJECTED	PROVEN	PARTIALLY EXPLORED	PROJECTED	PROVEN	PARTIALLY EXPLORED	PROJECTED	TOTALS SEAM NAME	
7 35		· · · · · ·	_					8,906	<i>C</i>	H										, ' ' ' '			.*						1			
6 16								2,835	С	<u>C</u>	· · · · · · · · · · · · · · · · · · ·			_																		
5 16				· · · · · · · · · · · · · · · · · ·				4,070	$\perp$ $c$	c																						
4 20				·				19,685	c	H, C																		,				
3 37								43, 896	]	Н												·			· <del></del> · · · · · ·							
2 21		? 1						13,481		H				<del></del>	-			· · · · · · · · · · · · · · · · · · ·											*		:	
1 26								_	<u> </u>	7	<del></del>						-		ļ				<u> </u>									
		:						20,270	<u>C</u>																						1	
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TOTALS		ļ				-				,											· · · · · · · · · · · · · · · · · · ·						1					
NOTF: (1) Average		<u> </u>				<del></del>		113, 143						···	1																	

NOTE: (1) Average thickness computed from observations. (ie. drill holes, adit and outcrop measurements.) (2)(i) Tons in place (cu. yds.) determined from : (a) Area of unmined coal.

A - Proven Reserves - (In Place) -(b) Average thickness as determined from (1)

- (ii) I cu.yd. of coal in place = 1·15 net tons raw.
- (iii) Slope correction applied to (2)(i)(a). (Area of unmined coal.) as follows:
- (a) For 0°-15° pitch -correction of 71/2° applied to area.
- (b) For 15°-30° pitch -correction of 22 1/2° applied to area.
- (c) For 30°-90° pitch correction of 45° applied to area.

(3) Reserve Classification – Definitions for KRL property.

Tons of coal (I-15nt/cu.yd.) in the ground computed from observations (ie. drill holes, adits, outcrops, mine workings) spaced at intervals of 0.5 miles or less in areas of good geological continuity, with seam thickness greater than 5 feet and under less than 2500 feet of overburden.

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Tons of coal (1-15 nt/cu.yd.) in the ground computed partially from observations generally spaced at intervals from 0.5 to 1.5 miles apart and partially from reasonable geological projections. Minimum seam thickness is 5 feet, and maximum overburden 2500 feet. Generally equivalent to "Probable" or "Indicated" in other systems of nomenclature.

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Tons of coal (1-15 nt/cu.yd.) in the ground where little direct evidence is available but where geological studies have indicated the continuity of the coal bearing measures. Coal seam thickness projected from adjacent areas.

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- (5) Reserves Recoverable -

Proven Reserves (Recoverable) -

Proven Reserves (In Place) adjusted by well substantiated factors for mining and washing recovery.

Partially Explored Reserves (Recoverable) —

Partially Explored Reserves (In Place) adjusted by generalized factors for mining and washing recovery.

- (6) Calculated yield (laboratory) at defined specific gravity arrived at
- by (a) bulk sample wash tests from adits and/or test pits.
- or (b) micro sample wash tests from adits and/or test pits.

AREA: TABLE Nº:

K-BURNT RIDGE 75(6)A AREA: BURNT RIDGE EXTENSION
TABLE Nº: 22

# RESERVE ESTIMATE - (0-1500' COVER)

											PITCH 15°-30°								PIT	CH 3C	)°-90	)•	-	CUMULATIVE TOTALS — RECOVERABLE RESERVES										
SEAM NAME	AVG. THICK.	TONS IN	RESERV CLASS.	MINING METHOD	TONS RECOVE	CA RED YIE	LC.	AT P GR	TONS WASHED	TONS IN PLACE (000's)	RESER	VE MINING	TONS RECOVERED	CALC.	AT	TONS WASHED	TONS IN PLACE	RESERV	E MINING	TONS	CALC	ΔΤ Τ	ns	OPEN	PIT MI					LUNDERG		DPALLIC		
3	19 5	(000's)		<u> </u>	( 000's				(000's)	(000's)	CLAS	S. METHOU	(000's)	YIELD	SP, GR.	(000's)	PLACE (000's)	CLASS	S. METHOD	TONS RECOVERED (000's)	YIELD	SP. GR. WAS	HED O's)		PARTIALLY EXPLORED	PROJECTED	<del></del>	PARTIALLY EXPLORED	PROJECTED	PROVEN	PARTIALLY EXPLORED	PROJECTED	TOTALS SEA	
		1.0									-			<del>-  </del>			13,129	c	C												LAFLORED		(COO'S TONS CLEAN)	
2	l l							-	<del></del>	1		·					5,982	С	C							-							3	
	28,0	<del>,</del> ,		-										-			97,129	B	H, 0	51,434	75.3	1.50 38,	730		5,248						33,482		38,730 <i>1</i>	
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PROVEN							<u> </u>		· · · · · · · · · · · · · · · · · · ·									<u> </u>																
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PROJECT	TED ·			ŀ								-		<b>-</b>			97,129	-		51,434		38.	730		5,248						33.482		38,730	
TOTA	LS				,				•				<u> </u>				19,111	<del> </del>		· · · · · · · · · · · · · · · · · · ·		· ·		<u>.</u>										
L		kness computed	<u> </u>						·		<u></u>		·				116,240			51, 434		38,7	30										38,730	

(2)(i) Tons in place (cu. yds.) determined from : (a) Area of unmined coal.

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Partially Explored Reserves (Recoverable) —

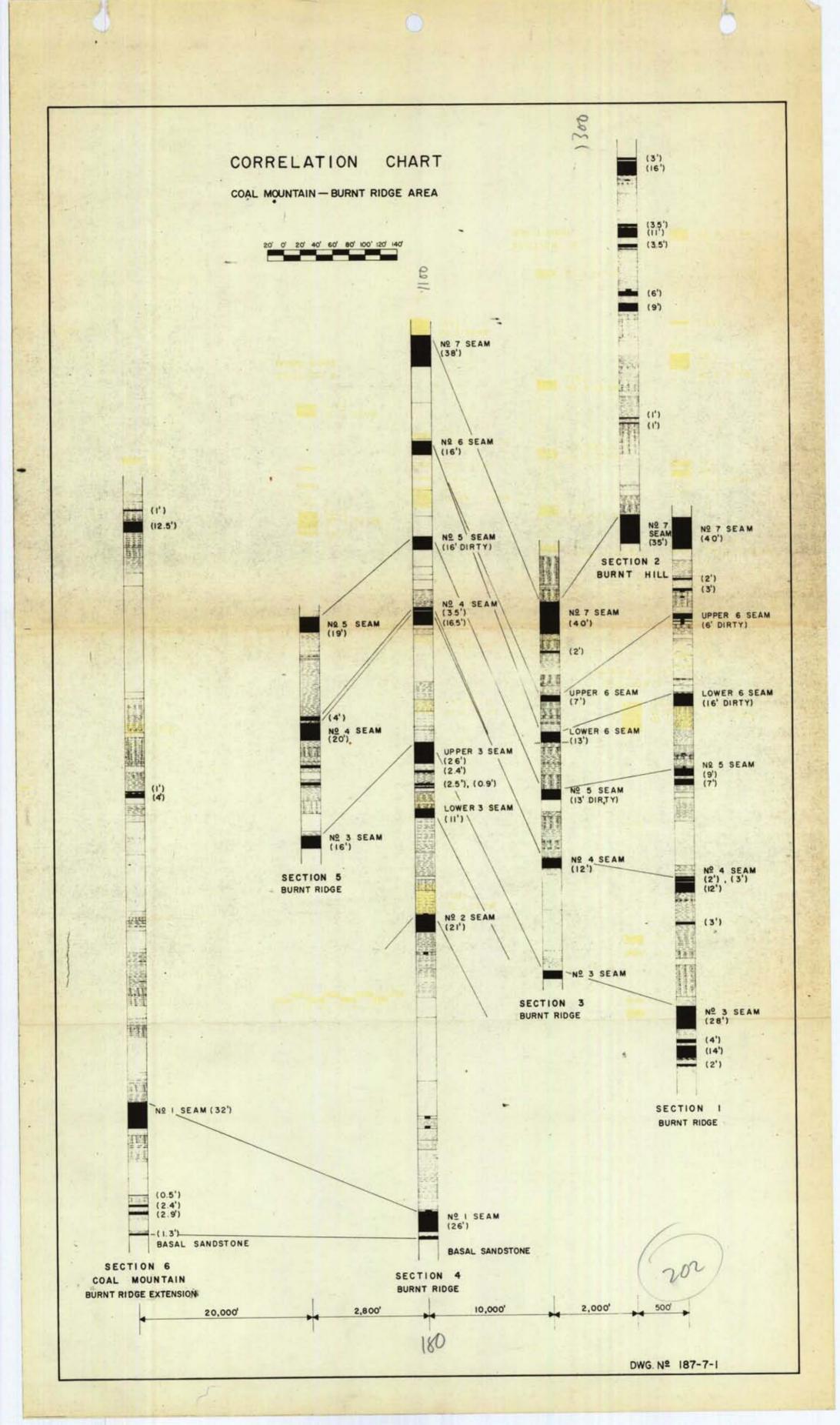
Partially Explored Reserves (In Place) adjusted by generalized factors for mining and washing recovery.

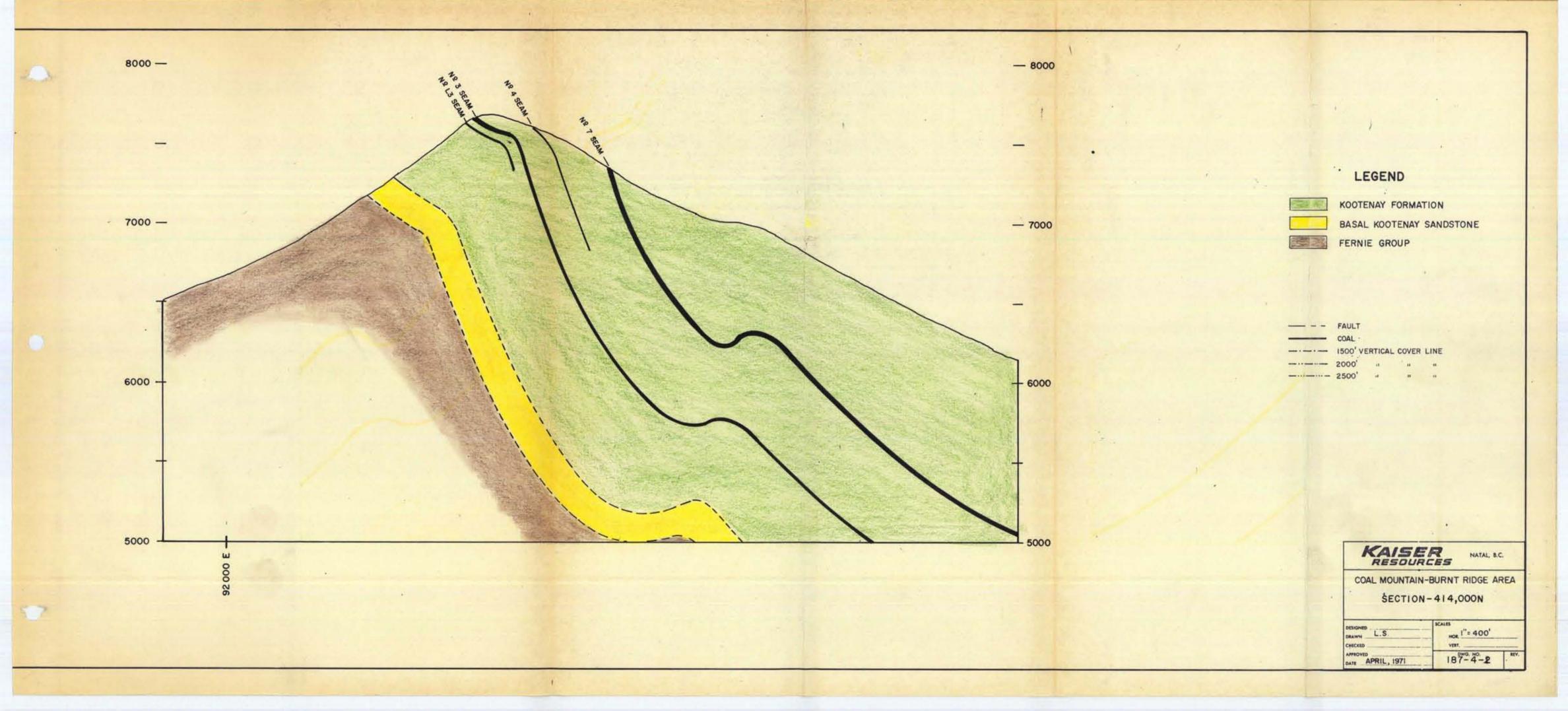
(6) Calculated yield (laboratory) at defined specific gravity arrived at

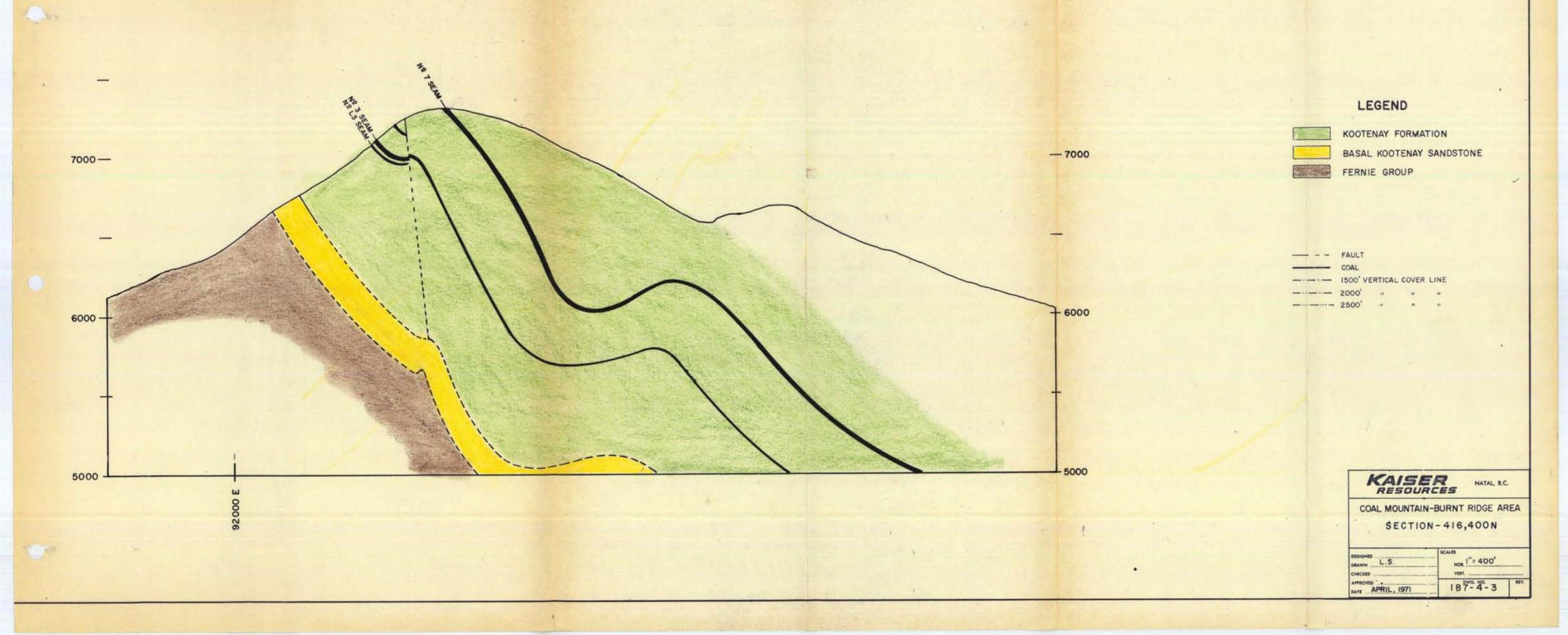
by (a) bulk sample wash tests from adits and/or test pits,

or (b) micro sample wash tests from adits and/or test pits.

AREA TABLE Nº









## LEGEND

BASAL KOOTENAY SANDSTONE
FERNIE GROUP

KAISER

COAL MOUNTAIN-BURNT RIDGE AREA

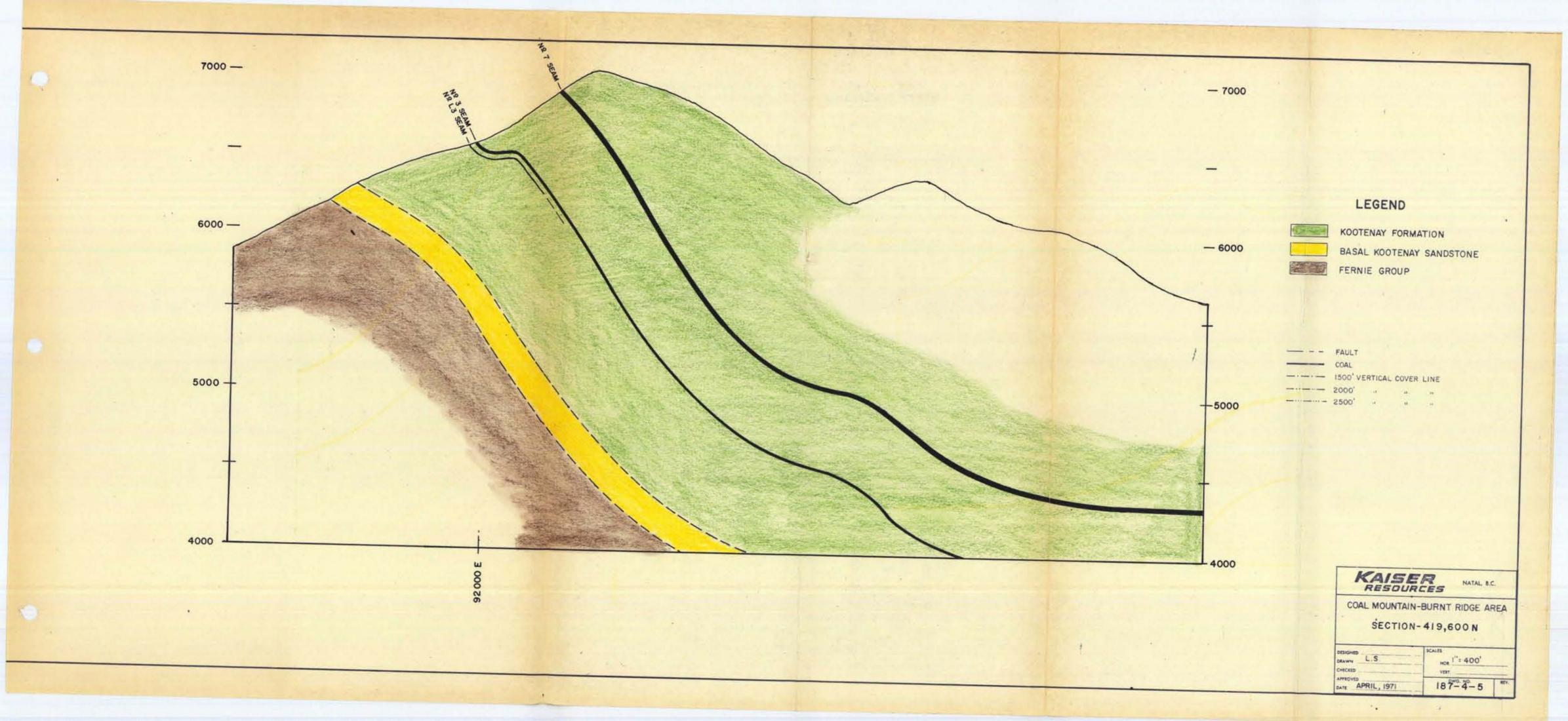
SECTION-418,000N

DESIGNED
DRAWN L.S.
HOR I "= 400"
VEST.

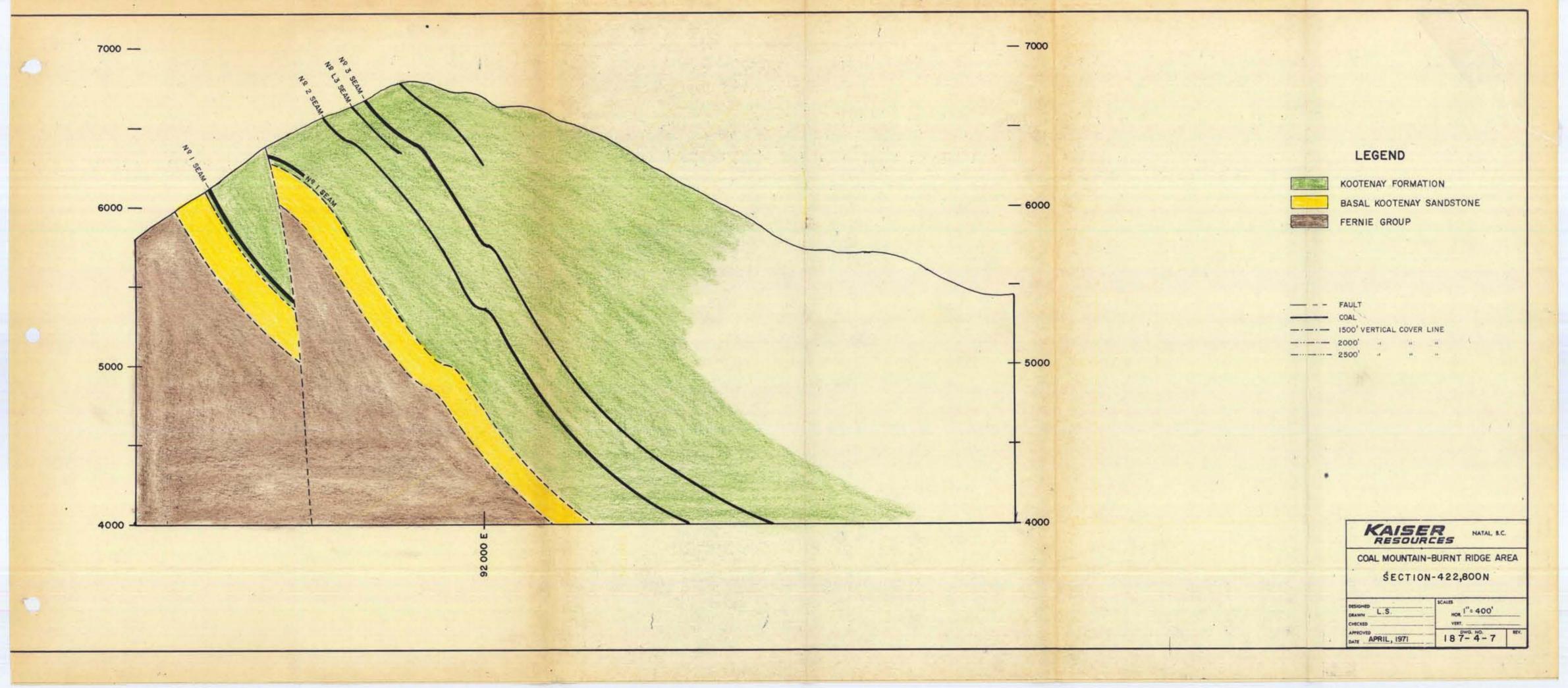
APPROVED
DATE APRIL, 1971

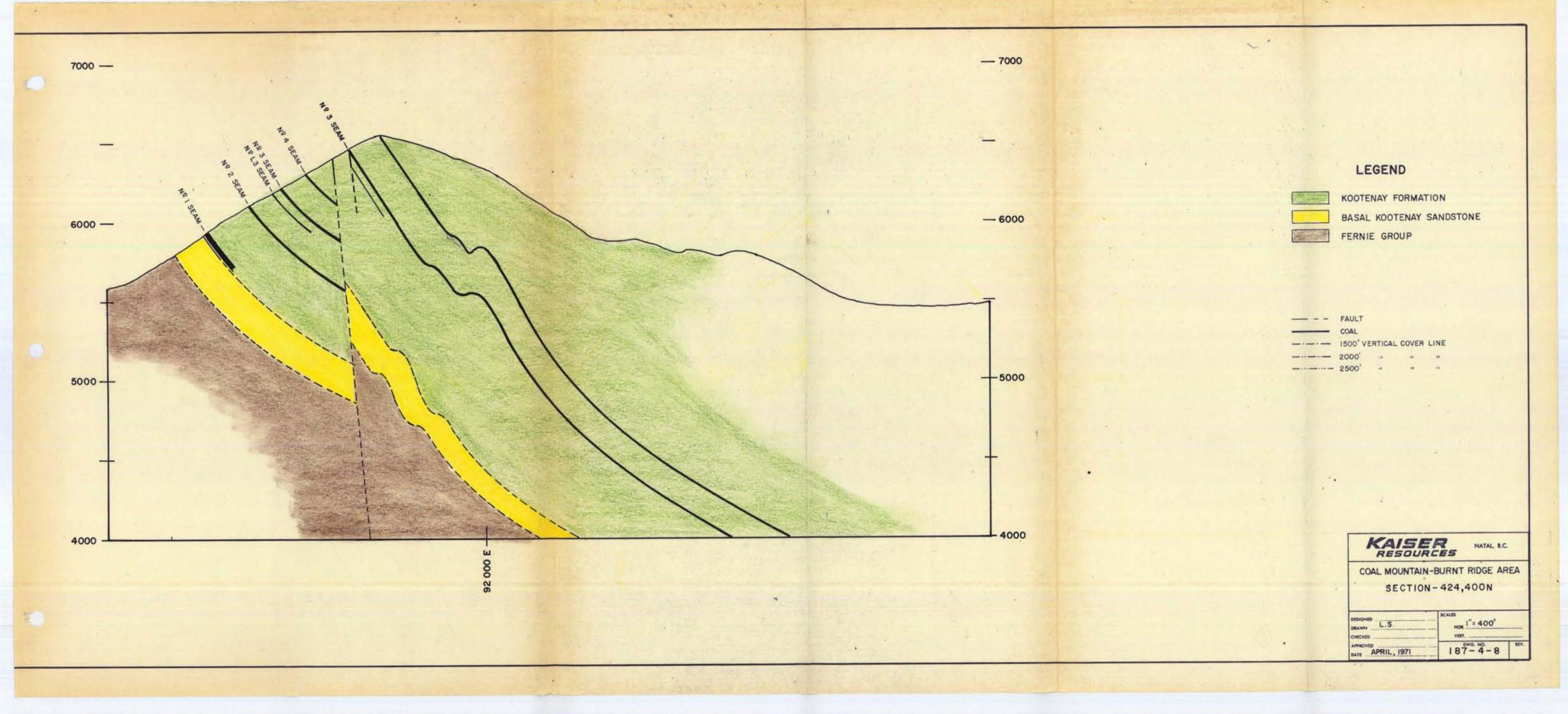
187-4-4

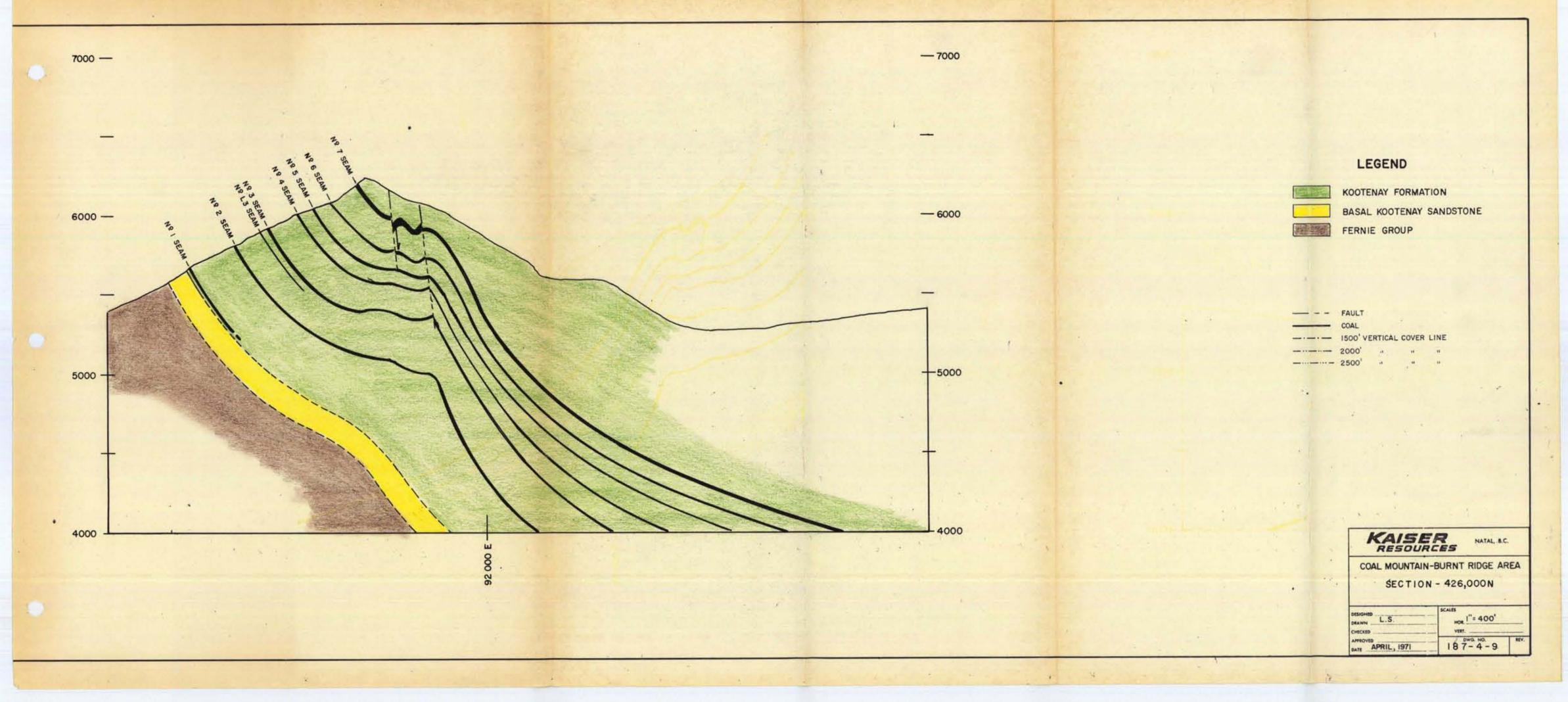
REV

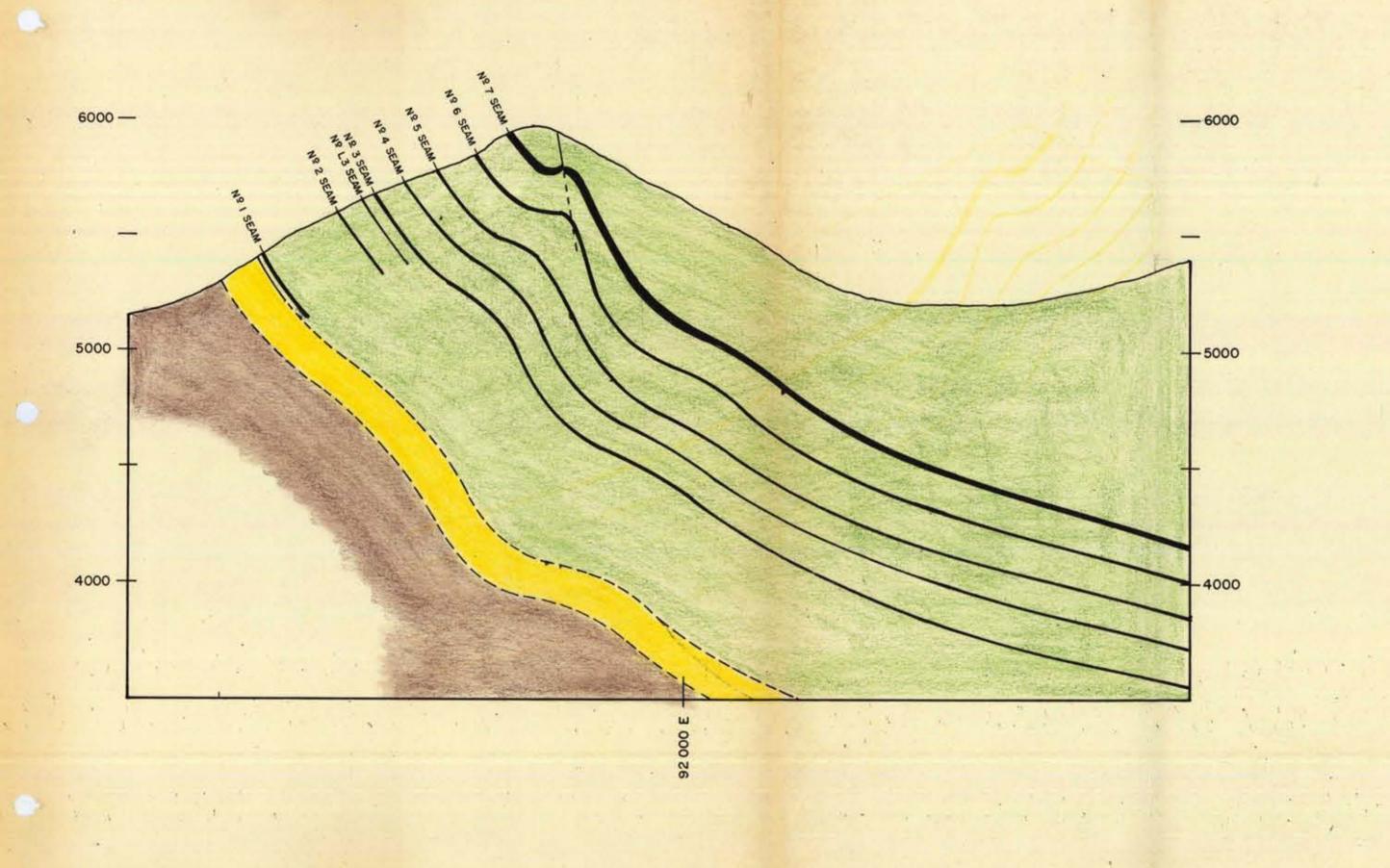












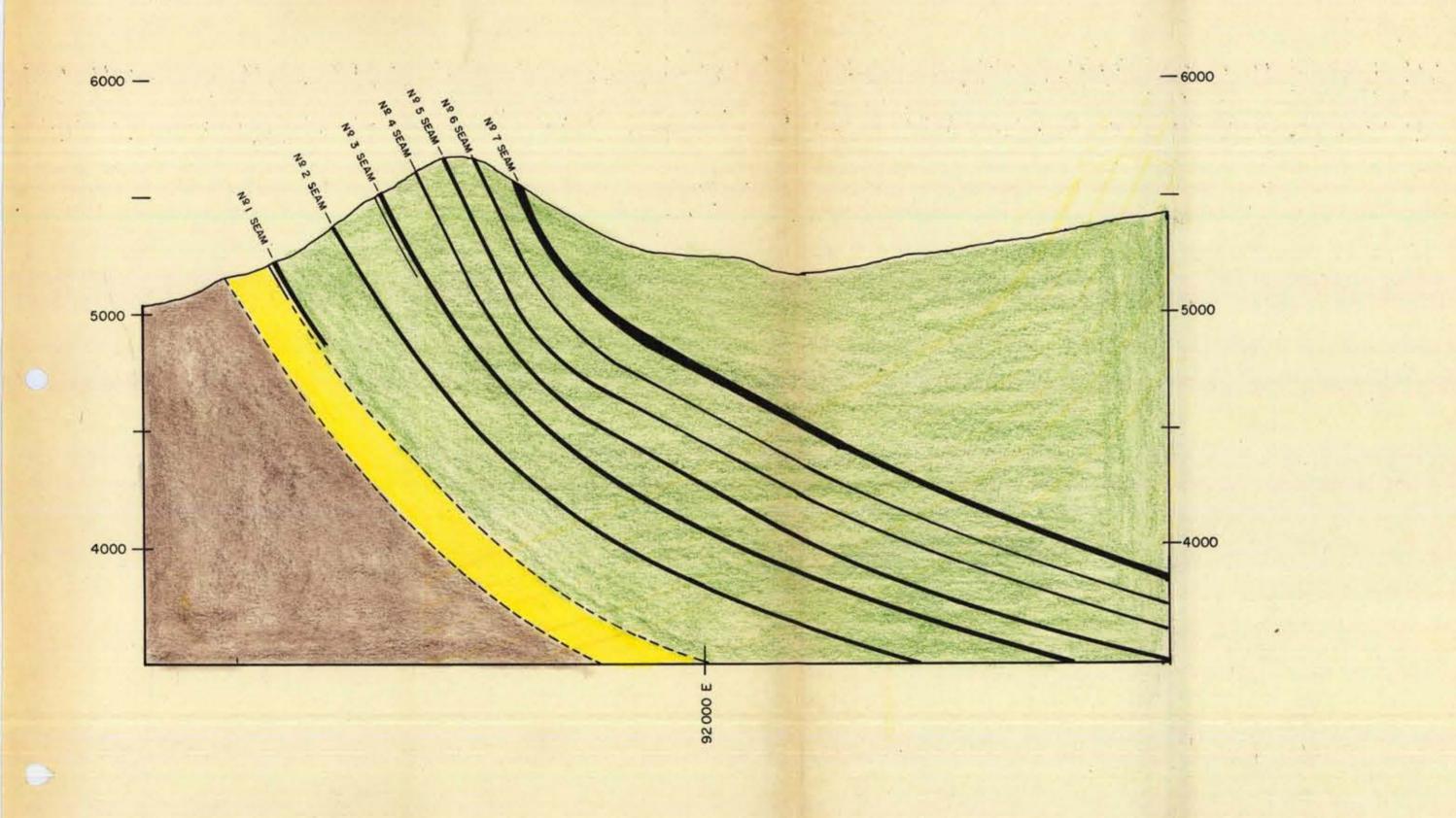
## LEGEND

BASAL KOOTENAY SANDSTONE
FERNIE GROUP

KAISER NATAL BC

COAL MOUNTAIN-BURNT RIDGE AREA SECTION - 427,600N

DESIGNED
DEAWN L.S.
CHICKED
APPROVED
DAYS: APRIL, 1971
187-4-10



## LEGEND

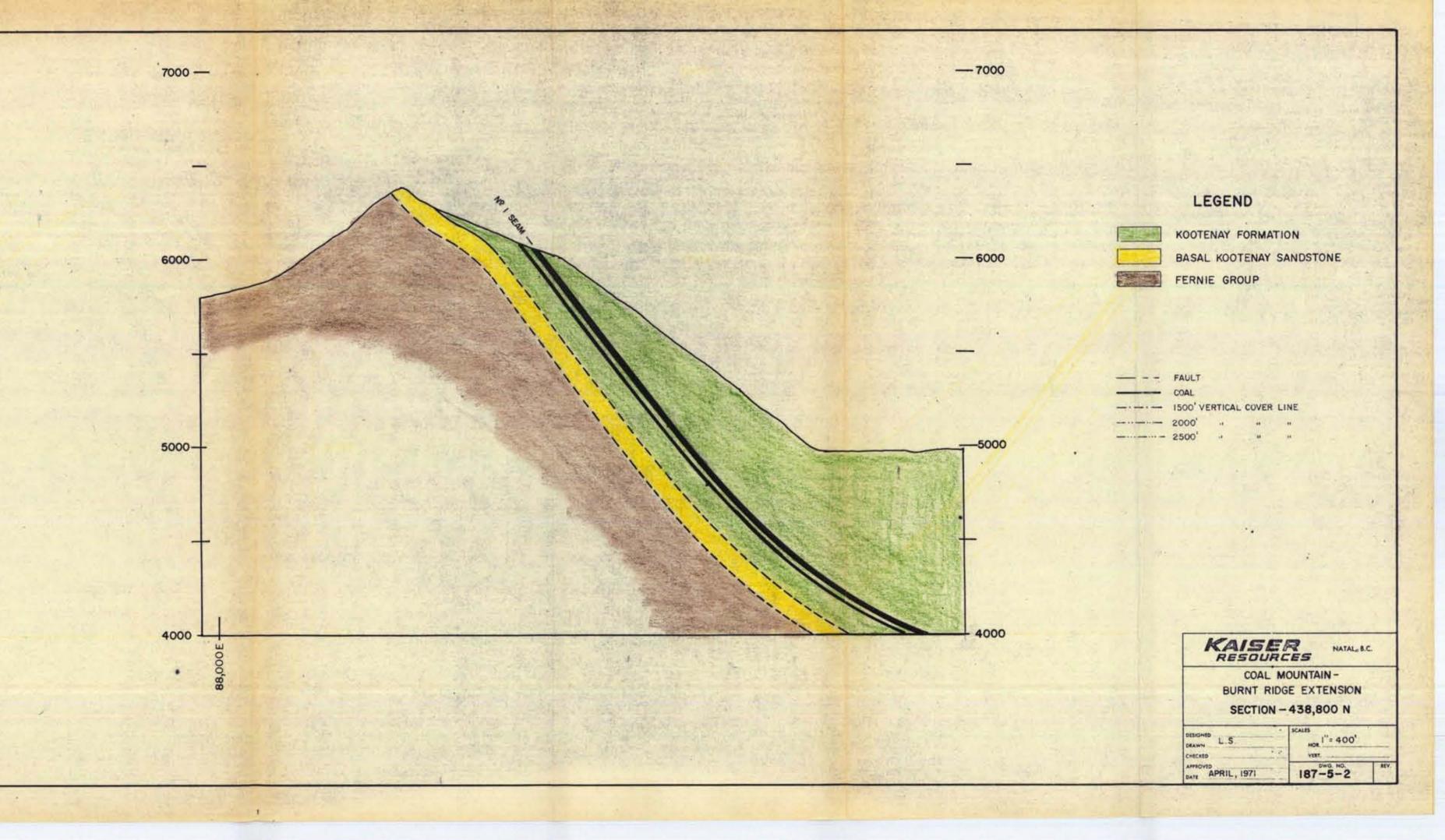
BASAL KOOTENAY SANDSTONE
FERNIE GROUP

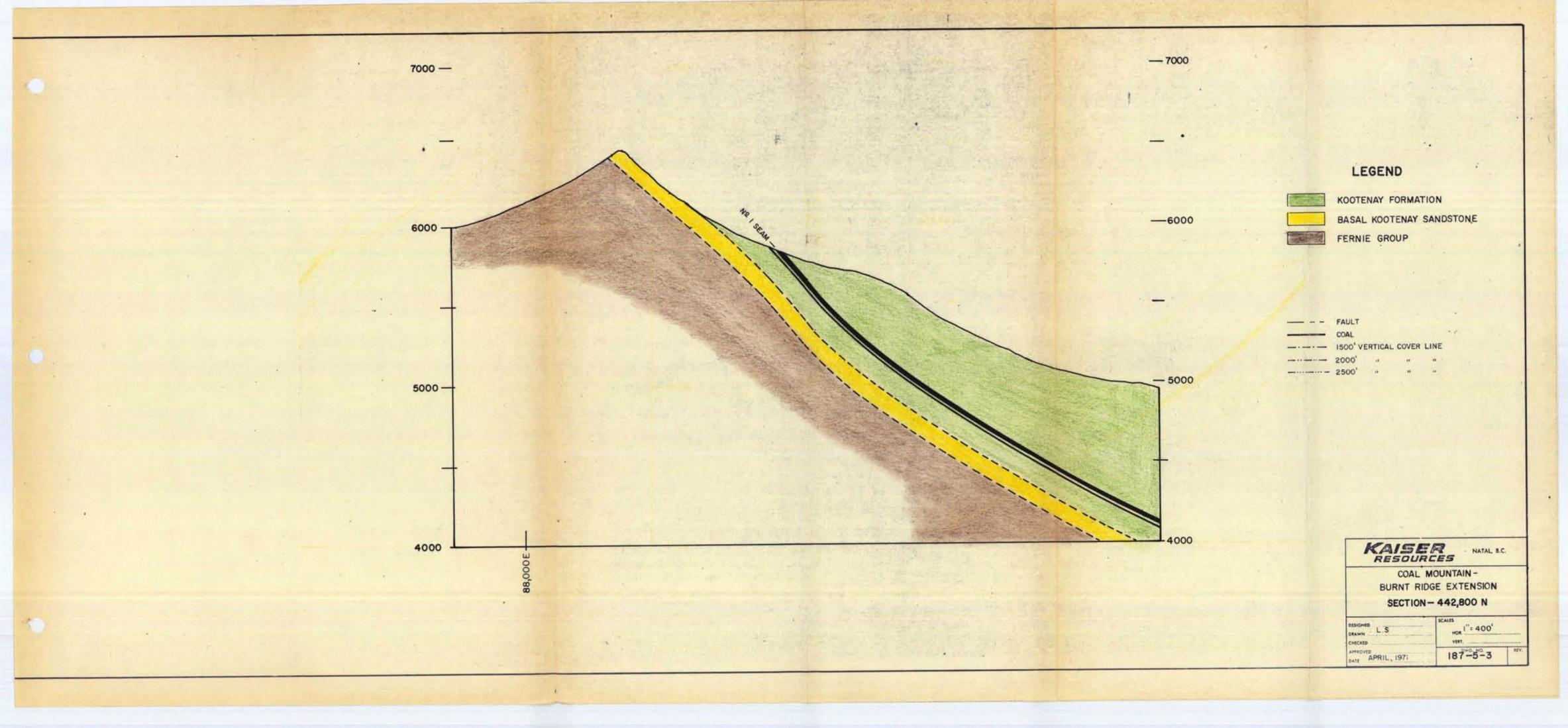
COAL
----- 1500' VERTICAL COVER LIN

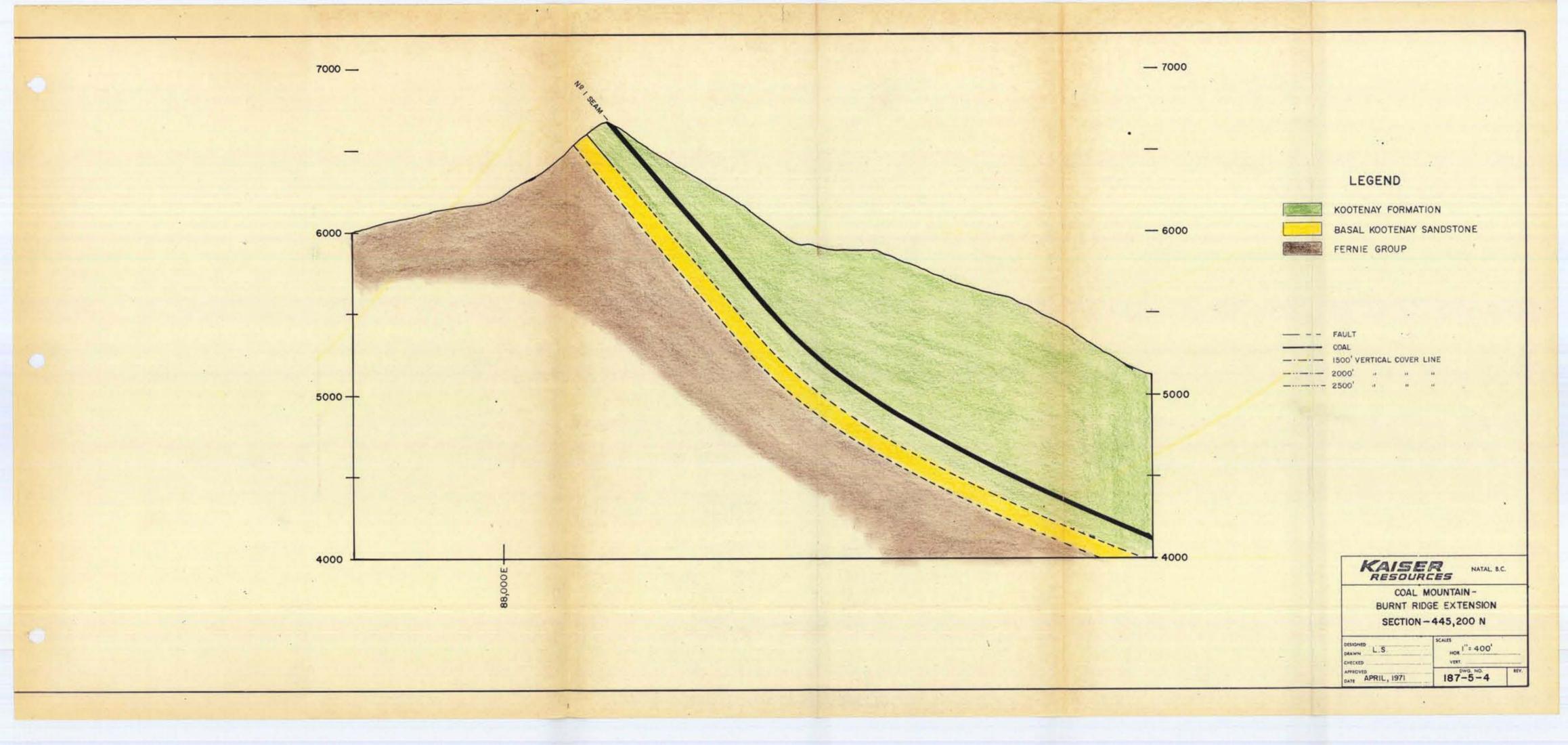
KAISER N

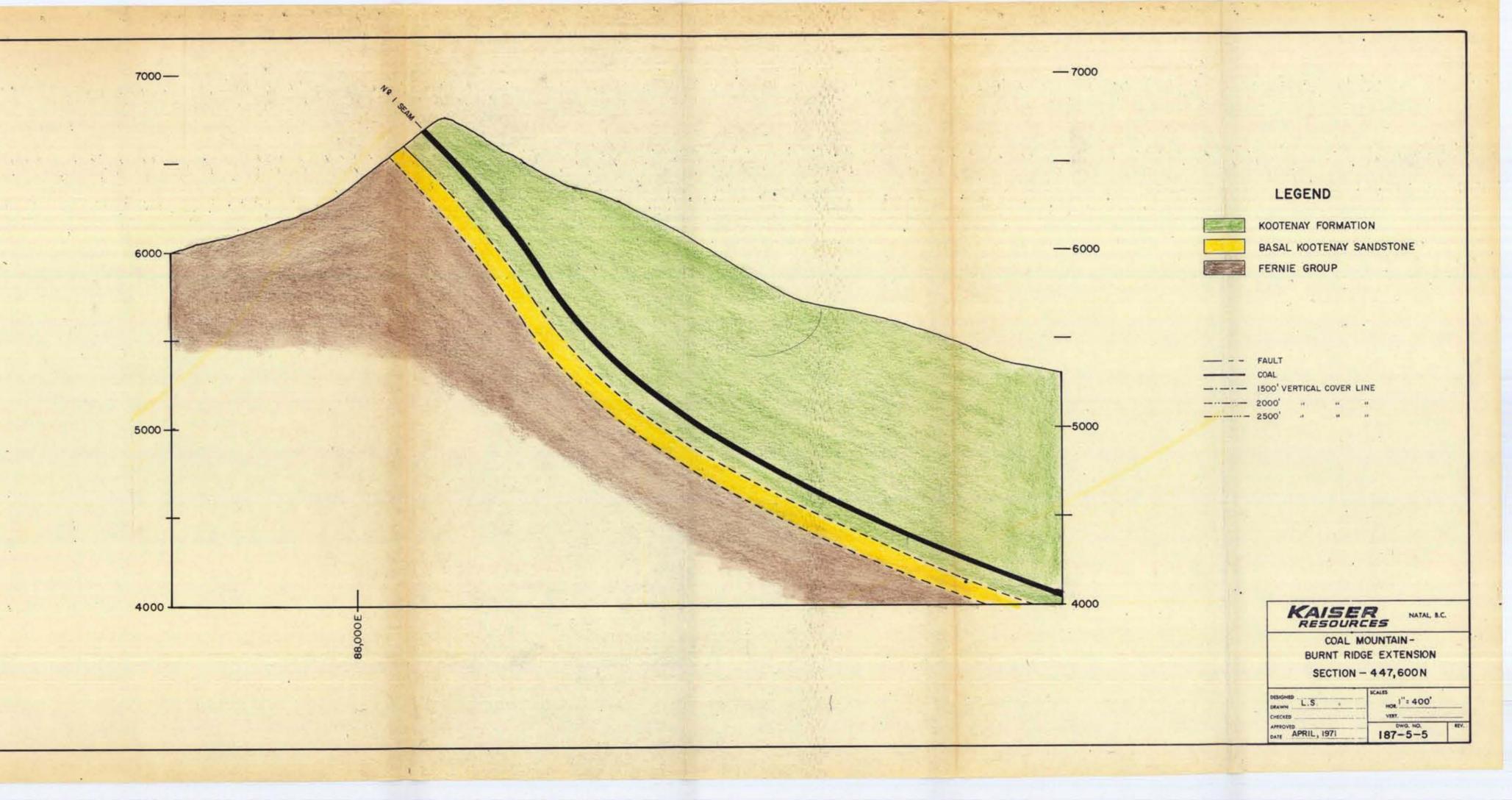
COAL MOUNTAIN-BURNT RIDGE AREA SECTION - 429,200 N

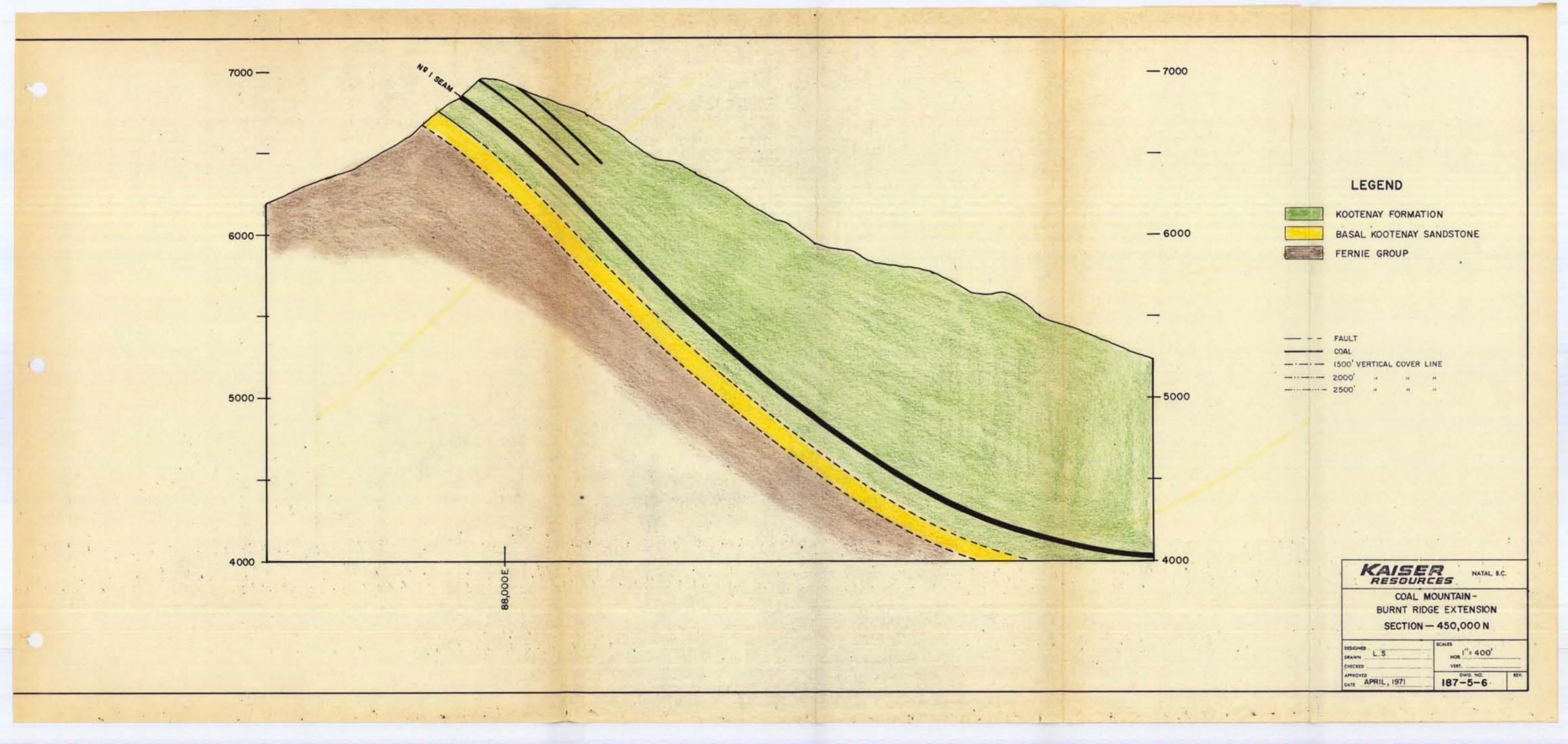
DESIGNED L.S.	HOR 1"= 400"	
CHECKED	VERT	
DATE APRIL, 1971	187-4-11	REV



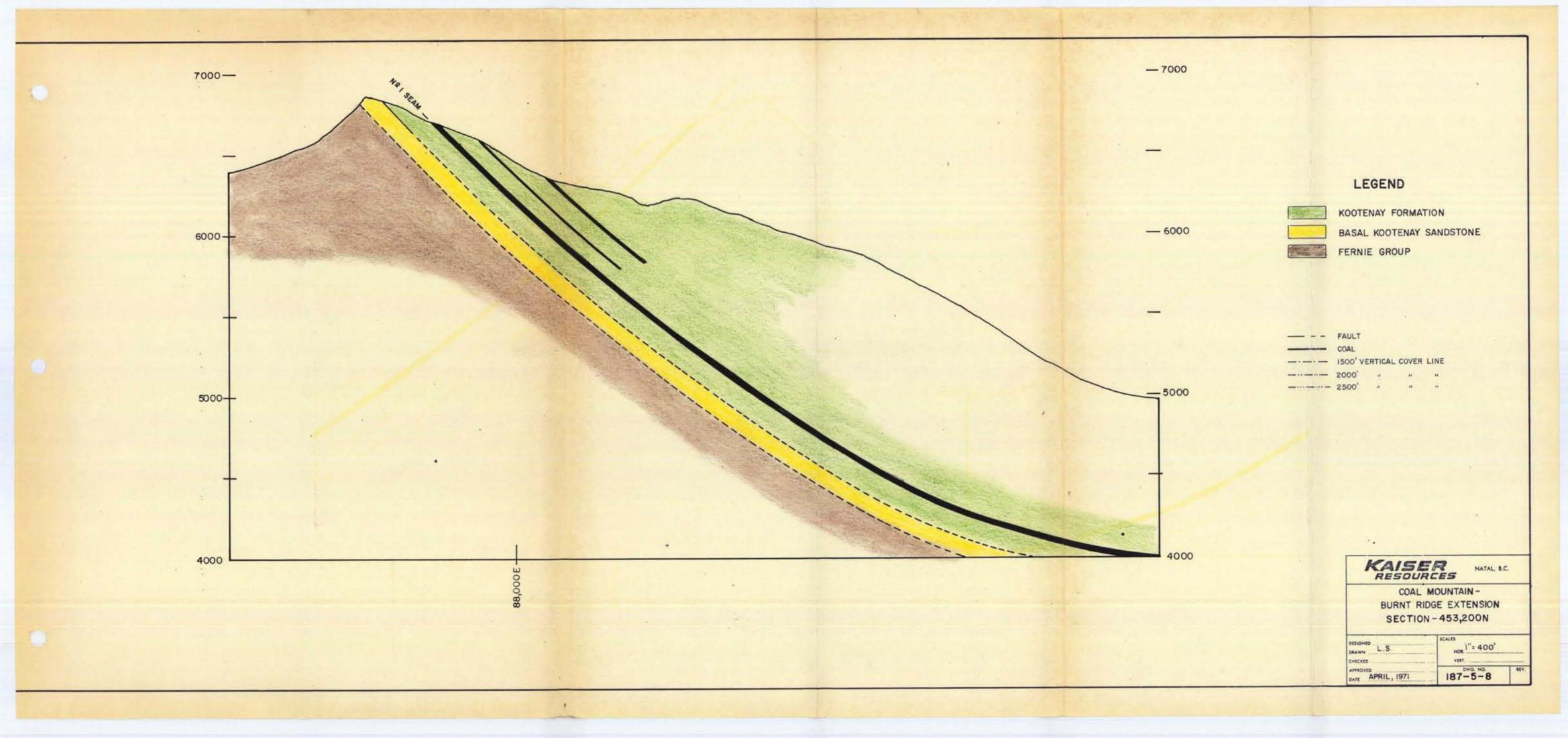


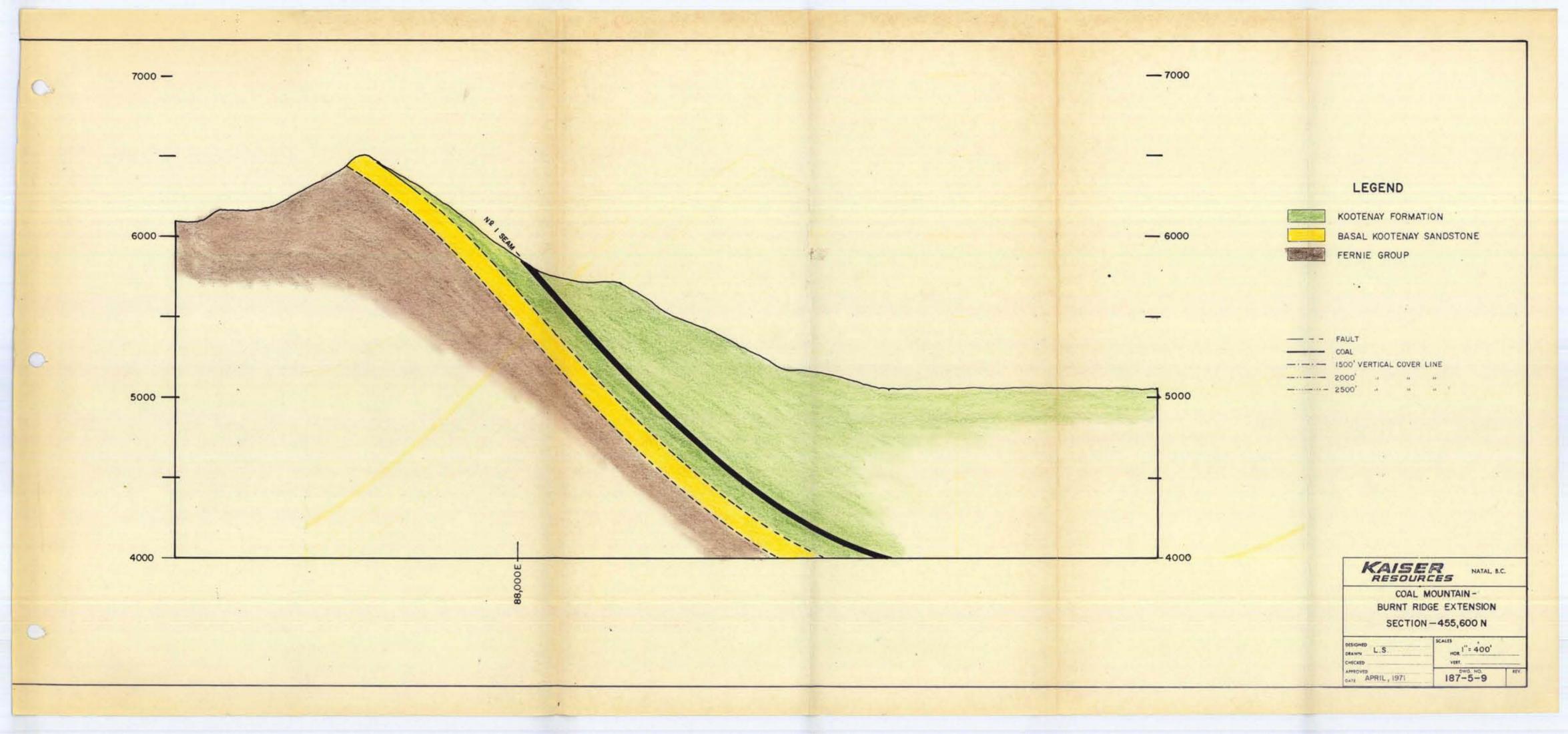


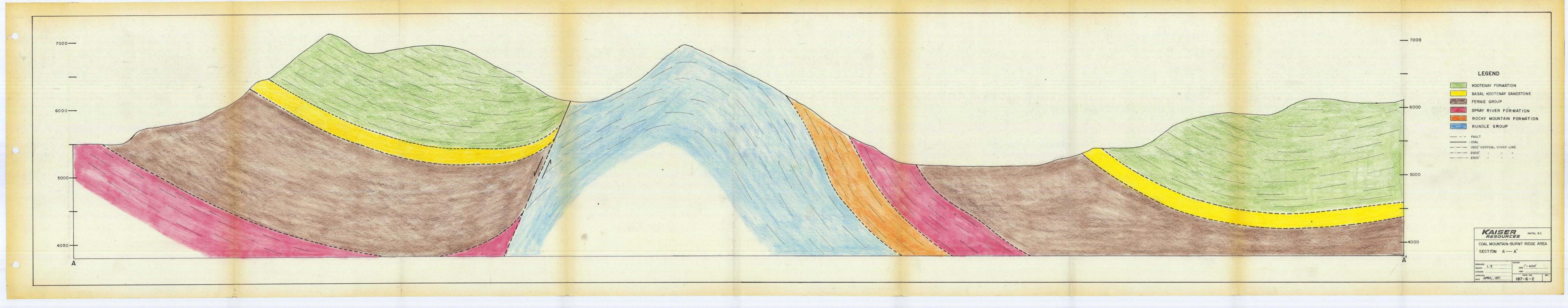


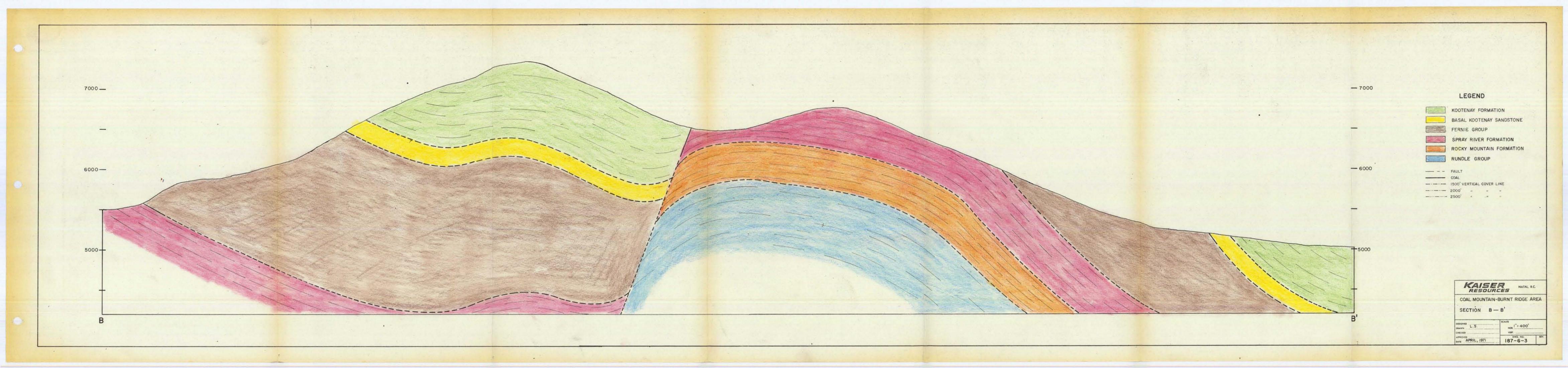


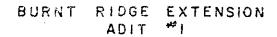


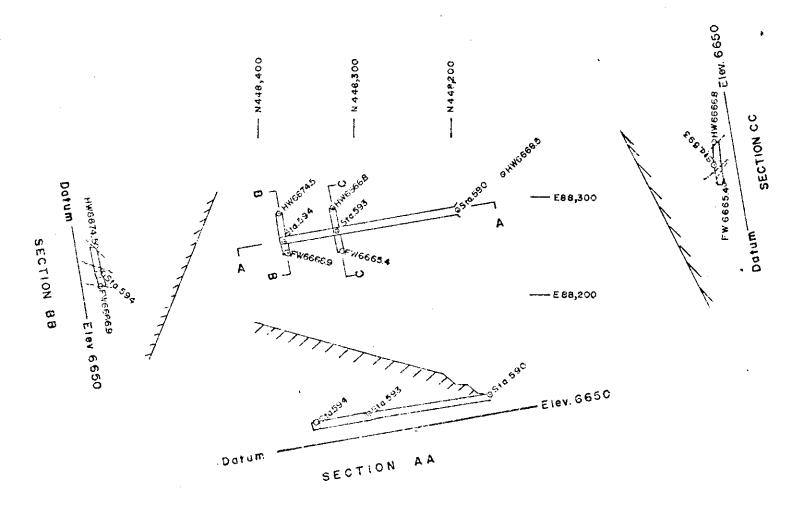












		COMPOSITE E.S. I.		. <b>COMPOS</b>			1.55 S.G. SUL. %YIELD at %ASH
*: X-CUT AT STATION 593				5 66.0			
#2 X-CUT AT STATION 594	19.3	2/5	2	 67,1	9.4	. 3.½	82.6 9.6

KAISER NATAL, B. C.

BURNT RIDGE EXTENSION

ADIT\*I

SCALE: 1" = 100"

197-7-2

