PR-Quintette 76(1)B

QUINTETTE COAL LIMITED

1976 GEOLOGICAL ASSESSMENT REPORT

G. P. Gormley, P. Geol.
Project Geologist
Denison Coal Limited
December, 1976

Appendices E, F and G of this report contain coal quality data, and remain confidential under the terms of the *Coal Act Regulation*, Section 2(1). They have been removed from the public version.

http://www.bclaws.ca/EPLibraries/bclaws_new/document/ID/freeside/10_251_2004

TABLE OF CONTENTS

LIST OF MAPS, TABLES, ILLUSTRATIONS AND APPENDICES

PR-Quintette-76(2)B.

List of Maps, Tables, Illustrations and Appendices - continued

APPENDICES: Contents

Appendix A:

1. Windy Pit Structure Contours
   Seams D,E,F,G,J and K - 1:5,000
2. Roman Pit Structure Contours
   Seams D,E,F,I and J - 1:5,000
3. Sheriff Pit Structure Contours
   Seams D,E,G and J - 1:5,000
4. Frame Pit Structure Contours
   Seams D,E,F,G and J - 1:5,000
5. General Stratigraphic Correlation Charts
   Windy, Roman, Sheriff and Frame Pits - 1:500 and 1:250
6. Seam Variation and Correlation Charts
   Windy, Roman, Sheriff and Frame Pits - 1:50

Appendix B-1: Mining Cross-Sections and Detailed Reserve Tables
Windy, Roman and Sheriff Pits

Appendix B-2: Mining Cross-Sections and Detailed Reserve Tables
Frame Pit

Appendix C: 1976 Roman Pit, Frame Pit and Johnson Area
Geophysical Logs.

Appendix D: 1976 Sheriff Pit Geophysical Logs.

Appendix E: 1976 Roman Pit Drill Hole Core Washability

Appendix F: 1976 Sheriff Pit Drill Hole Core Washability
and Adit E-1, J-2 Washability.

Appendix G: 1976 Frame Pit and Johnson Area Drill Hole
Core Washability.

PREFACE

This report is intended primarily to present the geological results of the 1976 Exploration Program. As exploration continues, changes will occur in some of the interpretations presented in this report. At the present time, a complete evaluation of this geological data in conjunction with mining, environmental and economic aspects is being put into a Feasibility Study of the project.

S U M M A R Y

The 1976 exploration of the Quintette coal licences was undertaken between May 18th and October 22nd, 1976. The Exploration Program can be summarized as follows:

1. Detailed geological mapping in the Sheriff, Frame and Roman Pits.

2. Preliminary mapping north of the Sheriff Pit and south of the Sheriff and Frame Pits.

3. Completion of 25 diamond drill holes in the Sheriff, Frame, Roman and Johnson Areas, including geophysical logging, visual logging, sampling and quality testing.

4. Completion of three adits in the Sheriff Pit and resultant bulk sampling and quality testing.

5. Surveying of drill holes and control surveying which led to new 1:2500 and 1:5000 scale topographic maps.

6. Complete geological interpretation including geology maps, cross-sections, structure contour maps and correlation charts of the four pits at Quintette.

7. Reserve calculation by computer from cross-section grids in the pits.

8. Reclamation of all 1976 disturbances and some previous disturbances.

Using the new data acquired, the program successfully confirmed the reserves in the areas explored.

INTRODUCTION

The 1976 field exploration on the Quintette licences commenced on May 18th and ceased on October 22nd, 1976. During this period, field work was undertaken to further confirm the presence of "open pit" coal in the Roman Mountain and Murray Areas (Sheriff/Frame Pits) and to carry out additional geological investigation of coal-bearing strata adjacent to the Murray Area. At Roman Mountain, the Babcock Campsite was opened on May 30th to accommodate exploration crews. Previously built access roads to the camp and to the Pit were utilized. A total of 12 diamond drill holes were drilled in the pit area totalling 1000 metres. Further detailed geological mapping, surveying and reclamation was undertaken prior to the closure of the Babcock Camp on August 19th.

At the Murray Area, a new campsite was established on the access road to the Kerr McGee drill sites south of the Wolverine River (approximately 300 metres east of wellsite - 93P3b 60A). From this camp location, approximately 9.6 kilometres of access road were built to the Sheriff and Frame Pit areas. This road was then used to mobilize and demobilize equipment and for daily access requirements. Two diamond drills were used to complete a 22-hole program (seven at Frame and 15 at Sheriff), totalling 2469 metres. Three adits totalling 222 metres were constructed in Seams 'E-1' and 'J-2' in the Sheriff Pit. During the course of the above work, comprehensive detailed geological mapping was carried out in the pits and limited detailed mapping was undertaken immediately north and south (Johnson Area) of these proposed pits. While reclamation work at Sheriff and Frame was being completed, three "helicopter" diamond drill holes totalling 633 metres were completed in the Johnson Area prior to demobilization of the camp and cessation of field work on October 22nd, 1976.

GEOLOGICAL MAPPING & CORE LOGGING

A standard format has been used to present the geological interpretations of the four pits at Quintette. Although no new geological field work was undertaken at the Windy Pit, slight modifications were made in interpretations and the same series of maps, illustrations, scales, etc. were generated and reserve calculation procedures followed as in other pits.

The format of presentation is as follows:-

1. An updated 1:50,000 regional geology map, plus geological pit maps and geological cross-sections (1:2500) are located in the back of this text.

2. Structure contour maps for each mineable seam in each pit are presented in "Appendix A".

3. General stratigraphic and detailed seam correlation charts which incorporate drill hole and trench logs are also presented in "Appendix A".

Roman Mountain

Detailed surface mapping was undertaken to obtain additional surface information at the Pit and to check the accuracy of the transfer of the previous information from 1" - 400' to the 1:2500 metric topographic map. No major differences were found in structural interpretation from previous work, however, more detailed information was gathered on faulting, and core logs indicated that the average aggregate coal thickness of the Middle Gates had increased by 17% from 13.82 m. to 16.18 m.

Sheriff and Frame Pits

Detailed geological mapping was started on 1" - 400' topographic maps and continued on the new map scale of 1:2500 which became available part way through the program. No major structural or stratigraphic changes were encountered from that which was previously interpreted. At Sheriff, the main thrust fauls (Mesa thrust) had a more shallow dip than previously estimated, thus decreasing the amount of Gates Member on the eastern edge of the pit. However, this loss was partially compensated by the confirmation of additional outcrop of 'J' Seam (unoxidized) coal in the vicinity of drill hole QMD 7612. At Frame, it was found that the coal seams extended further to the north than what was previously mapped and that the shallow western limb was found to contain minor faulting and a warped anticlinal axis in the northeastern section of the Pit. The effects of this were to increase both reserves and stripping ratios. From core and trench logs, it was found that the average aggregate coal seam thickness in the Sheriff Pit was 17.73 metres, down 15% from last year's estimate, and that Frame Pit's new aggregate total was 13.55 metres, up 7.9% from 1975. For a complete summary of the coal seam thickness, please refer to the table on the following page.

QUINTETTE OPEN PIT

SUMMARY OF AVERAGE TRUE COAL THICKNESS OF MINEABLE SEAMS *

PIT	SEAM	THICKNESS (m)	
WINDY	D	2.443	
	E	2.057	
	F	2.017	
	G	1.295	
	J	3.759	
	K **	2.077	2.27
	TOTAL	13.648	
ROMAN	D-1	1.259	
	D-2	2.976	
	E	2.035	
	F	2.078	2.70
	I	2.960	
	J	4.869	
	TOTAL	16.177	
SHERIFF	D	1.695	
	E-1 **	6.062	
	E-2	.843	3.54
	G	1.143	
	J	7.983	
	TOTAL	17.726	
FRAME	D	2.011	
	E **	3.730	
	F	1.445	2.71
	G **	3.106	
	J ***	3.255	
	TOTAL	13.547	

* Thickness is Coal Only and does not contain in-seam or out-of-seam dilution.

** Seam Contains 2 Sections (Splits)

*** Seam Contains 3 Sections (Splits)

Geological Mapping & Core Logging - continued

Northern Extension & Johnson Area

A limited amount of mapping was undertaken at 1" - 400' map scale in the areas immediately north and northwest of the Sheriff Pit in the Gates Member, bounded to the north by the Wolverine River and in the area immediately south of the Sheriff and Frame Pits (Johnson Area) bounded on the south by the Murray River. In the northern area it was not possible to obtain a detailed stratigraphic section or evaluation of the total coal thickness of the Gates Member, however, one seam of at least 1.5 metres was mapped in a number of locations and inferred to be continuous over at least 1000 metres. In general, it appears that the "tight" nature of the folding combined with adverse topography will preclude the discovery of large strippable reserve blocks. However, smaller pits could be found if sufficient coal thickness, continuity and quality can be confirmed by drilling. (See previous reports 1972 and 1974). Results of the mapping are found on the Regional Geology Map at the end of this text.

In the Johnson Area, two moderately tight synclines were mapped immediately south of the Frame Pit. The synclines were separated by a tight anticline having dips in the 60 to 80 degree range and were mapped largely on the basis of prominent conglomerate units originally considered to be in the Upper Gates Member. Drill Hole QJD 7641 was placed near the ~~axis~~ axis of the anticline. (See Preliminary Geology Johnson Area - 1"-1000' Map at end of text.) East of the second syncline, the prominent conglomerate was intensely folded and a second drill hole was placed in this region (QJD 7642). This folded area was truncated to the east by a major fault which appears to be a continuation of the Mesa thrust system found in the Sheriff Pit. An incomplete section of Gates was mapped east of the thrust and a final drill hole (QJD 7643) was placed near the Gates/Hulcross contact. One coal seam approximately 6.6 metres thick was located in the first drill at a depth of 85 metres along with minor carbonaceous zones. Washability results of clean coal on the seam indicated 17.35% volatile with F.S.I. of 2. The lithology in the hole was predominantly conglomerate and sandstone.

In the second hole, three seams were sampled at depths of 20, 35 and 69 metres with respective true thicknesses of 6.2, 0.95 and 0.80. Lithologies were similar to the first hole but predominance of conglomerate made correlations unreliable. The clean coal volatiles and F.S.I.'s were 17.4% and 2, 17.5% and 4, and 16.5% and 1½, respectively. From a comparison with previous quality results, this strongly suggests that these coals are from the Gething Formation. Petrographic work will be undertaken on the samples. The section encountered in the third hole was intensely faulted and of the two coal zones encountered, only one having a thickness of approximately one metre at a depth of 211 metres was sampled. A volatile content of 23.4% and an F.S.I of 7 indicate Gates coal and it is assumed a faulted section of Gates was drilled. From the results encountered to date, no viable open pits have been indicated, however, underground potential may be available if coking quality and continuity of the main Gething coal seam can be established. Further exploration for strip coal should concentrate on the basal Gething and Gates Formations in dip slopes and the "nose" areas of folds found immediately north of the Murray River.

TRENCHING

A total of seven trenches were constructed during the course of the program, to confirm the location and development of seams within the pit limits. The location of the 1976 trenches and previous trenches can be found on the various pit maps presented. The work was undertaken by Tompkins Contracting of Fort St. John, under on-site direction of a geological staff member, and using D6 and D7 Caterpillars. Far fewer trenches were constructed than were approved in the 1976 exploration proposal due to environmental concern and all trenches which were built were completely infilled, fertilized and seeded. (See Reclamation Section.)

Logs of the trenches have been incorporated on the seam variations and correlation diagrams of the various pits in "Appendix A".

ROAD CONSTRUCTION AND FIELD CAMPS

Road Construction

All road construction was contracted to Tompkins Contracting Ltd. of Fort St. John and was undertaken with D6, D7 and D8 Caterpillars. Approximately ten kilometres of "main access" road were constructed from the Murray Camp to the Sheriff and Frame Pits and secondary access or trails were constructed to the drill holes. At Roman Mountain, a previously built access road was utilized to gain access to the pit area and trails were used for access to the various drill holes. Culverts and ditches were installed on all main roadways and grades were generally kept to 7% or less.

Field Camps

Westcamp Construction Catering Ltd. of Edmonton provided services in the trailer camps established at Babcock and the Murray Area where approximately 15 and 40 men respectively were accommodated throughout the program. On completion of the exploration, most of the camps trailers were demobilized and the main access roads were "blocked off" subsequent to consultation with Forestry, Fish & Wildlife and Department of Mines & Petroleum Resources officials.

D I A M O N D D R I L L I N G

Tonto Drilling Limited of Vancouver were contracted for all 1976 drilling services at Quintette. Three Canadian Longyear "Super 38" drills were used, two in the Murray Area and one at Roman. The rigs were equipped for wireline recovery, with triple tube core barrels and H.Q. rods and bits. Drills were skid-mounted and moved with D6 or D7 Caterpillars in both areas. Crew changes were generally made by pick-up truck in the Murray Area, and by helicopter in the Roman Area. For the Johnson drilling area, one of the drills was dismantled for mobilization by a large helicopter and fully supported by the smaller helicopter at the main Murray Camp. Previous results documented that substantially increased core recovery is obtained from drilling vertical holes and thus the majority of the holes were drilled vertically unless terrain or geological structure necessitated angle drilling. All drill core was taken to the main camps for logging and complete sampling of the coal seams. It should be noted that all diamond drill core, including previous programs up to 1970, but excluding the core from the 1972 Five Cabin Area and the 1976 Johnson Area, was removed by Department of Mines & Petroleum Resources staff and transported to the core storage facility at Charlie Lake, British Columbia. A summary of the 1976 diamond drill holes is included in the following pages.

SUMMARY OF 1976 QUINTETTE DIAMOND DRILLING PROGRAMME

ROMAN AREA

Hole #	Total Depth (m)	Seams Intersected	% Coal Core Recovery
QBD 76-51	12	D (U) D (L) E F	77.5 94.0 91.3 90.5
QBD 76-52	38	E	99.0
QBD 76-53	87	I J	95.0 98.7
QBD 76-54	76	I J	91.0 80.3
QBD 76-55	58	E F	96.9 86.2
QBD 76-56	35	D (L) E F	100.0 93.5 80.3
QBD 76-57	83	I J	94.3 93.5
QBD 76-58	172	E F I J	96.5 95.8 85.3 98.5
QBD 76-59	44	I J	78.1 87.0
QBD 76-60	124	F I J	88.4 82.4 93.5
QBD 76-61	109	I J	98.3 96.4
QBD 76-62	162	I J	100.0 100.0
TOTAL	1000		

SHERIFF AREA

Hole #	Total Depth (m)	Seams Intersected	% Coal Core Recovery
QMD 76-01	55	D E	99.0 99.0
QMD 76-02	46	D	99.0
QMD 76-03	193	D E	99.0 99.0
QMD 76-04	115.5	G	91.3
QMD 76-05	48	D E G J	87.0 55.5 99.0 76.6
QMD 76-06	51.5	G J	51.4 62.6
QMD 76-07	55.5	G J	100.0 82.1
QMD 76-08	84	G J	99.0 85.0
QMD 76-09	191	D E	99.0 72.5
QMD 76-10	150.5	D E G J	84.6 74.1 70.1 61.9
QMD 76-11	152.4	E G (U) G (L) J	59.5 80.8 35.7 69.5
QMD 76-12	32.6	J	75.9
QMD 76-13	103	E (U) E (L) G J	52.5 91.0 99.0 79.0
QMD 76-15	39.6	G	41.2
QMD 76-17	83	E (U) E (L) G J	71.0 60.1 61.0 56.9
TOTAL	1380.6		

SUMMARY OF 1976 QUINTETTE DIAMOND DRILLING PROGRAMME

FRAME AREA

Hole #	Total Depth (m)	Seams Intersected	% Coal Core Recovery
QMD 76-14	118	F	91.0
		G (U)	100.0
		G (L)	92.0
QMD 76-16	152	D	91.3
		E	98.5
		F	75.9
QMD 76-18	177	D	97.0
		E (U)	100.0
		E (L)	99.0
		F	91.0
		G (U)	91.8
		F (L)	87.5
		J	97.0
QMD 76-19	73	E (U)	88.0
		E (L)	99.0
		F	47.0
		G (U)	99.0
		G (L)	99.0
QMD 76-20	249	D	97.0
		E (U)	87.0
		E (L)	86.0
		F (U)	99.0
		F (L)	65.0
		G (U)	95.0
		G (L)	95.9
QMD 76-21	96	F	50.4
		G (U)	56.3
		G (L)	70.5
		J (U)	83.0
		J (L)	55.0
QMD 76-22	223	E	96.0
		F	83.0
		G (U)	92.0
		G (L)	72.4
		J	97.0
TOTAL	1088		

JOHNSON AREA

Hole #	Total Depth (m)	Seams Intersected	% Coal Core Recovery
QJD 76-41	213	#1	81.0
QJD 76-42	183	#1	99.0
		#2	100.0
		#3	60.0
QJD 76-43	237	#1	100.0
		#2	93.0
TOTAL	633		

G E O P H Y S I C A L L O G G I N G

All geophysical logging was contracted to Roke Oil Enterprises Ltd. of Calgary. A truck-mounted logging unit was used on all holes except those in the Johnson Area where a "helicopter unit" was required. The following list of logs were run in all holes except those in which caving prevented a logging run.

1. Gamma Ray and Neutron - General Scale 1:200
2. High Resolution Density and Chliper - General Scale 1:200
3. High Resolution Density and Chliper - Detail Scale 1:50
4. Temperature* - General Scale 1:200

* - used occasionally

The logs were used in conjunction with visual logging of the core to confirm driller's depth markers (converted to metric depth) and to estimate the development of coal seams where recovery was poor. All geophysical logs are contained in "Appendices C and D".

ADITS

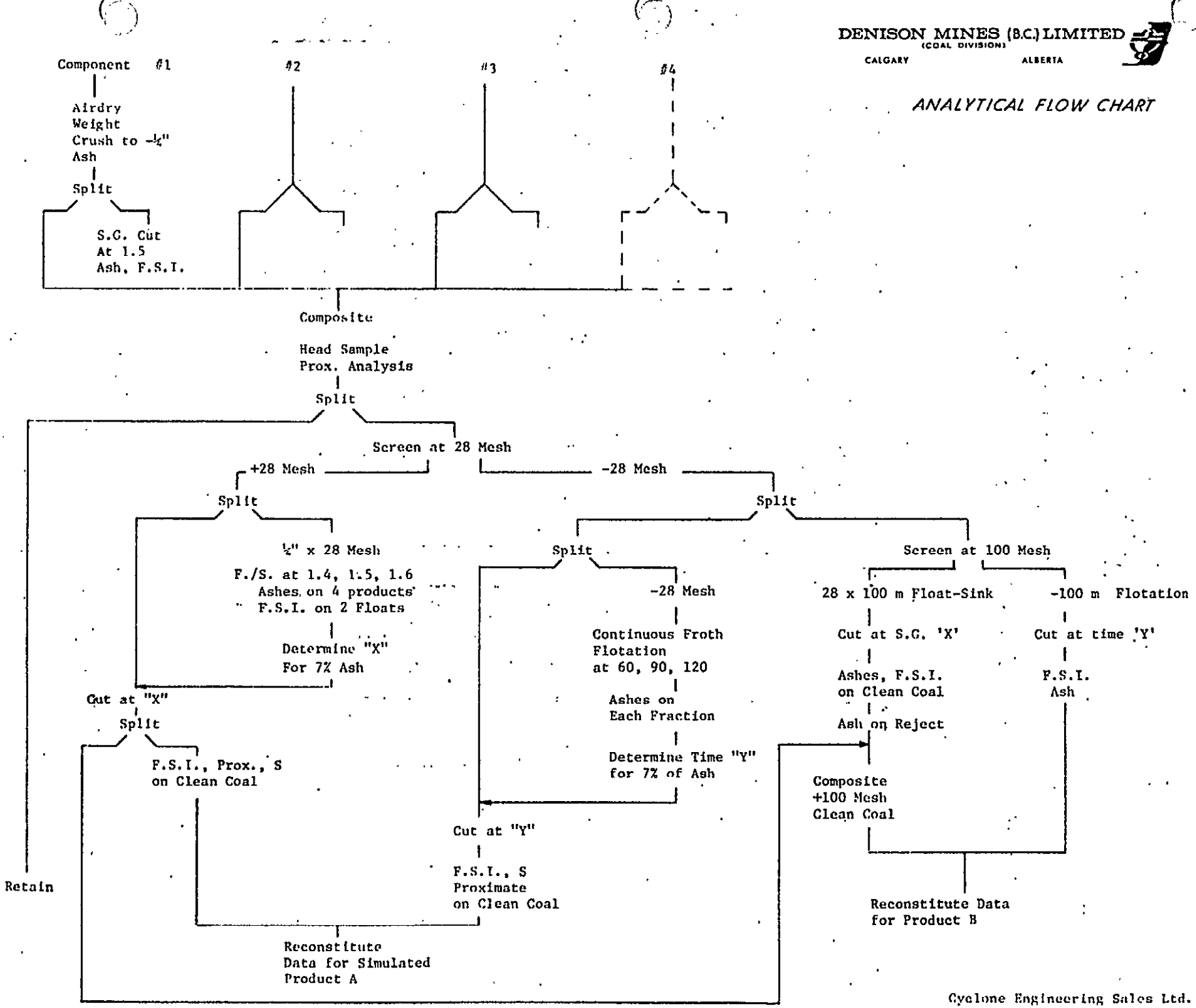
Adit driveage was contracted to A & B Contracting Ltd. of Calgary. Three adits totalling 222 metres were constructed in the Sheriff Pit. The first adit (J-1) was driven in "j" Seam at the north end of the Pit. This adit was not sampled as partially oxidized coal was found at 91 metres which was effectively the penetration limit of the equipment being used. Although an excess of 30 metres of vertical cover was estimated at the face of the adit, it was concluded that intensely jointed sandstone found above the adit created an abnormally condusive porosity through the roof strata and thus abnormally deep oxidation. The second adit was driven in 'E' Seam near the southern end of the Pit and was sampled at a length of 40 metres. The third adit was driven in 'J' Seam, immediately below the 'E' Adit and was sampled at 91 metres. A total of 53 drums were taken from each of the sampled adits. During the program, inspections of the work were made by Mr. D. Tidsbury, the Department of Mines & Petroleum Resources Inspector from Prince George. The location of the adits can be found on various maps enclosed for the Sheriff Pit and lithologic descriptions of the adit faces are included in the following page.

QUALITY ANALYSIS

Washability and analyses of all 1976 drill core from Quintette was undertaken by Cyclone Engineering Sales Ltd. of Edmonton. Washability, cleaning, analysis and coking character tests of the bulk adit samples are being undertaken by Cyclone and the Department of Energy, Mines and Resources, Clover Bar Lab. In addition to the above work, petrographic and small scale over tests of drill hole samples are currently planned or under way in Canada and Japan. The following pages include the main sample "flow chart" procedures and actual results of all drill sample washability and available adit sample analyses can be found in "Appendices E, F and G".

DENISON MINES (B.C.) LIMITED
(COAL DIVISION)
CALGARY ALBERTA

ANALYTICAL FLOW CHART



Cyclone Engineering Sales Ltd.

DENISON MINES LTD.

ADIT. SAMPLES

INCREMENT ADIT SAMPLES
AIR-DRYING
MINIMUM CRUSHING AS NECESSARY

3/8
- FLOAT-SINK AT 1.52 SP GR
  - ASH FSI ULTIMATE ON FLOAT ASH ON SINKS
- HEAD SAMPLE ANALYSIS
  - PROXIMATE F.S.I SULFUR

1/8
- SPECIFIC GRAVITY DETERMINATION

3/8
- DRY SCREENING AT 28 MESH

+ 28 MESH
- 3/4
  - FLOAT SINK AT 1.30 1.40 1.50 1.60 SP GR
    - ASH FSI ON FRACTIONS
    - DETERMINE SP GR "X" FOR 7.5% ASH CLEAN COAL
- 1/4
  - CUT AT "X"
    - +28 MESH CLEAN COAL
- PRODUCT COAL
  - PROXIMATE, FSI, SULFUR, PHOSPHORUS ULTIMATE GIESSELER PLASTICITY

- 28 MESH
- 1/4
  - CUT AT "Y"
    - -28 MESH CLEAN COAL
- 3/4
  - FROTH FLOTATION AT 30 60 90 120 SECS
    - ASH, FSI ON FRACTIONS
    - DETERMINE "Y" FOR 7.5% ASH CLEAN COAL

4 - DRUMS SAMPLE
AIR-DRYING
MIXING

1/16
- HEAD SAMPLE
  - PROXIMATE ANALYSIS F.S.I, S, P

4/16
- DRY-SCREENING
  - +4" 4"x2" 2"x1" 1"x1/2" 1/2"x1/4" 1/4"x8M 8Mx28M 28M+0
  - ASH ON SIZE FRACTIONS
  - SP GR 1/8 OF EACH
    - +4" 4"x2" 2"x1" 1"x1/2" 1/2"x1/4" 1/4"x8M 8Mx28M
      - SPLIT 1/8 OF EACH
      - 28M+0
        - SPLIT AS NECESSARY TO PRODUCE ADEQUATE WT FOR ANALYSIS. STATE WTS USED
        - FLOAT-SINK ON EACH SIZE FRACTION AT 1.30 - 1.35, 1.40 - 1.45, 1.50 - 1.55, 1.60 - 1.80, 2.00 SP GR. DETERMINE SP GR OF -1.30 AND +2.00 FRACTIONS. ASH, FSI ON ALL SP GR FRACTIONS
        - RECOMBINE TO EFFECT SIZE ANALYSIS AFTER ATTRITION
          - DETERMINE "X" FROM FLOAT AND SINK FOR 7.5% ASH CLEAN COAL
            - BULK WASH TO PRODUCE OVERALL 3-4 KG CLEAN COAL
              - PROXIMATE ANALYSIS FSI, S, P, ULTIMATE ANALYSIS GIESELER PLASTICITY DILATOMETER TEST HGI PETROGRAPHIC ANALYSIS, ASH FUSION, ASH COMPOSITION
        - DETERMINE "Y" TO PRODUCE 7.5% CLEAN COAL
          - FROTH 2AM+0 IN WT PROPORTIONAL TO ANALYSIS FROM ATTRITION TESTS TO PRODUCE OVERALL 3-4 KG CLEAN COAL

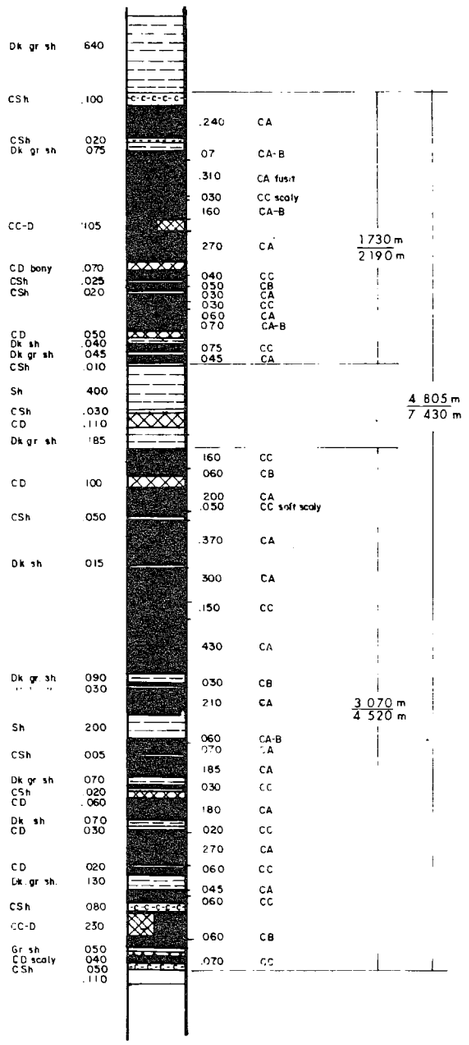
11/16
- ATTRITION TEST ASTM DRUMS IN 50 LBS LOT
  - DRY-SCREENING
    - WET-SCREENING
      - 28M x 60M
      - 60M x 100M
      - 100M x 0
    - DRY-SCREENING
      - 28M x 60M
      - 60M x 100M
      - 100M x 0
      - SPLIT EACH SIZE FRACTION
      - RECOMBINE TO EFFECT 28M+0 SIZE ANALYSIS
        - FROTH AT 10% SOLIDS FOR 30, 60, 90 SECS WET SCREEN FROTH AT 60M, 100M, AT %, ASH, FSI OF EACH FRACTION
      - TAKE 100M+0
        - FROTH AT 5% SOLIDS 30, 60, 90 SECS WT%, ASH, FSI

THOROUGHLY MIX PILOT PLANT FEED
ROCK SAMPLE
AIR-DRYING
MIXING
REDUCE TO 3/8"+0

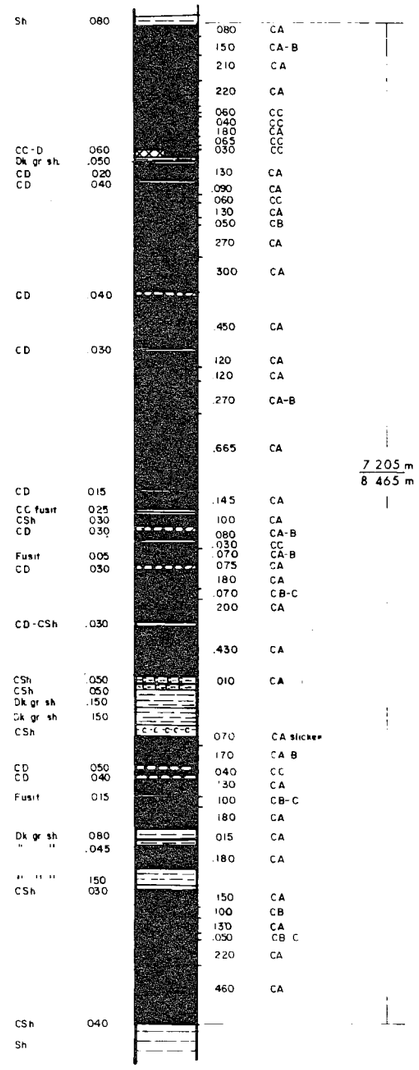
- EMR PROCESS FOR 7.5% ASH CLEAN COAL
  - PRODUCTS
    - CLEAN COAL
      - CLEAN COAL ANALYSIS PROXIMATE, SULFUR, FSI. CLEAN COAL SAMPLES FROM EACH DRUM OF CLEAN COAL TO BE CHECKED FOR ASH AND FSI REMIX CLEAN COAL IF NECESSARY
    - MIDDLING (ASH ON ALL PRODUCTS)
    - COARSE REJECT
    - FINE REJECT
  - 4 SAMPLES
    - DRY SCREENING AT 28M AND 150 MESH
      - CLEAN COAL
        - 28M+150 — 3/8"+28M, 150M+0
        - ASH
      - MIDDLING
        - 28M+150 — 1/4"+28M, 150M+0
        - ASH
      - COARSE REJECT
        - 28M+150 — 3/8"+28M, 150M+0
        - ASH
      - FINE REJECT
        - 28M+150 — 3/8"+28M, 50M+0
        - ASH
  - 8 SAMPLES
    - FLOAT-SINK AT 1.30 - 1.35, 1.40 - 1.45, 1.50 - 1.55, 1.60 - 1.80, 2.00 SP GR. ASH ON ALL FRACTIONS SP GR OF -1.30 AND +2.00

- TESTING SAMPLE (OPTIONAL)
  - HEAD SAMPLE
    - PROXIMATE, SULFUR, FSI
  - DRY SCREENING
    - 3/8"+28M, 28M+150M, 150M+0
    - (ASH ON HEAD SAMPLES OF SIZE FRACTION)
    - 2 SAMPLES
      - FLOAT-SINK AT 1.30 - 1.35, 1.40 - 1.45, 1.50 - 1.55, 1.60 - 1.80, 2.00 SP GR.
        - ASH ON ALL FRACTIONS SPECIFIC GRAVITY OF -1.30 AND +2.00
      - FROTH FLOTATION AT 30, 60, 90, 120 SECS
        - ASH ON ALL FRACTIONS

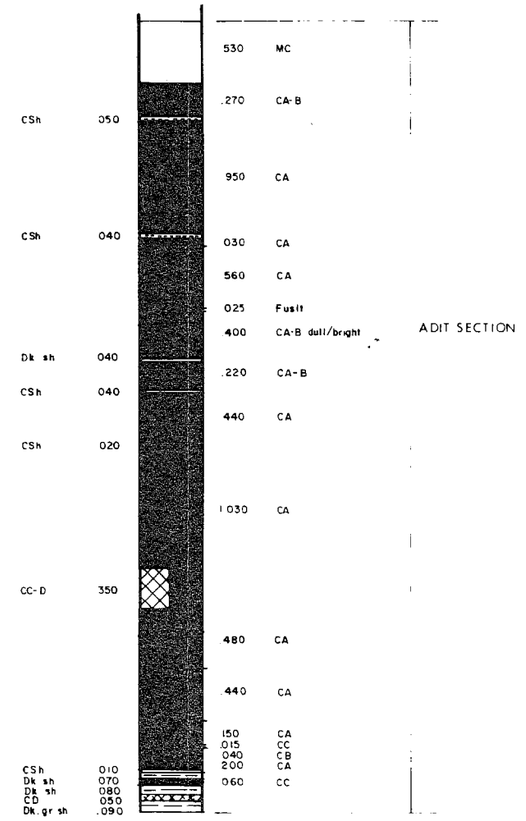
E ADIT



J-2 ADIT



J-1 ADIT



ADIT SECTION

7.8m

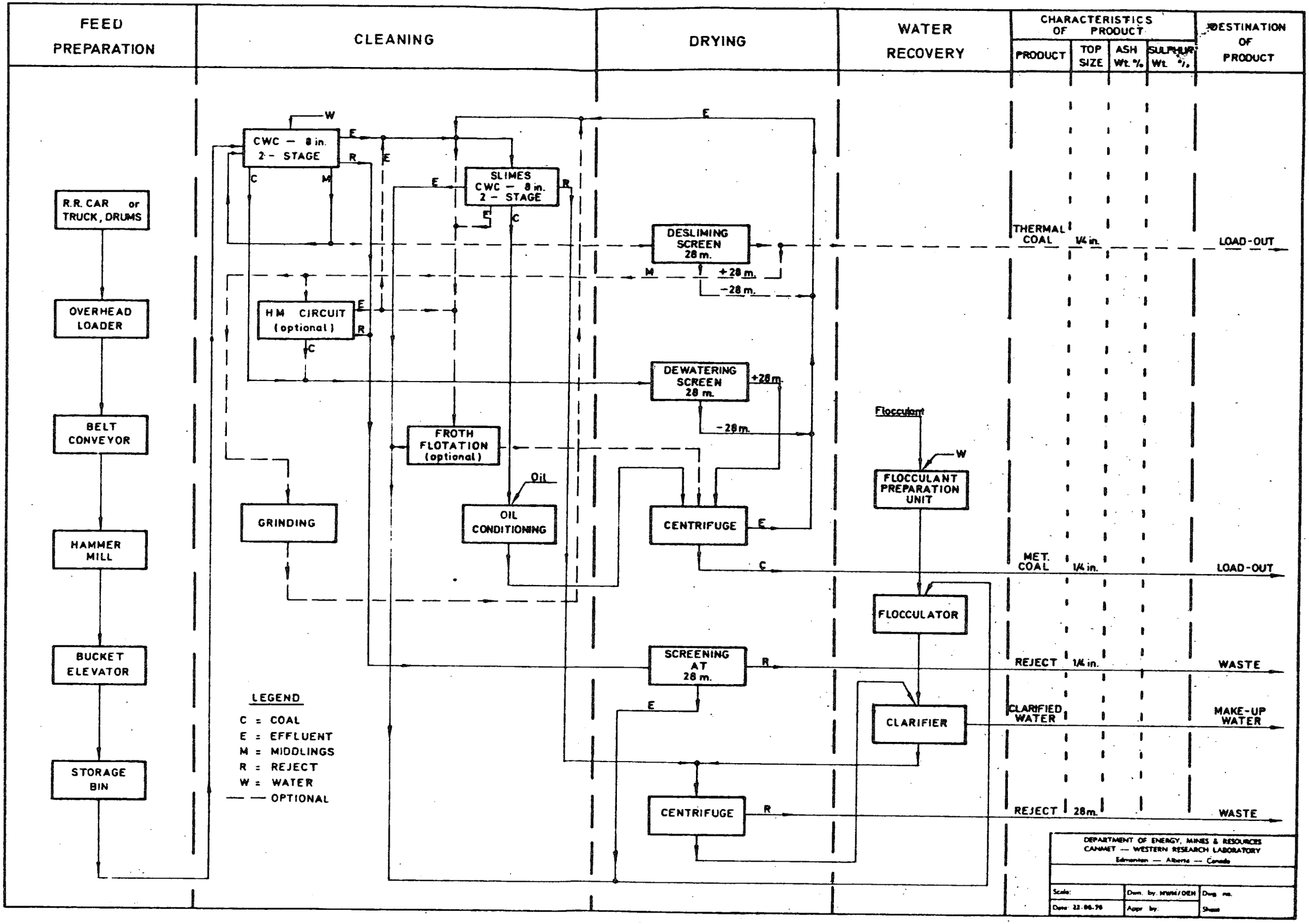
QUINTETTE COAL LIMITED

PREPARED BY :
DENISON COAL LIMITED
MITSUI MINING CO. LTD.

1976 ADIT SECTIONS
SHERIFF PIT

DRAWN BY: J W K	DATE : DEC, 76	SCALE: 1:50
PREP'D BY:	DATE :	DRAWING NUMBER: QNTT76-0715-R01
APPR'D BY:	DATE:	

PROCESS FLOWSHEET OF EMR PILOT PLANT (10 stph)

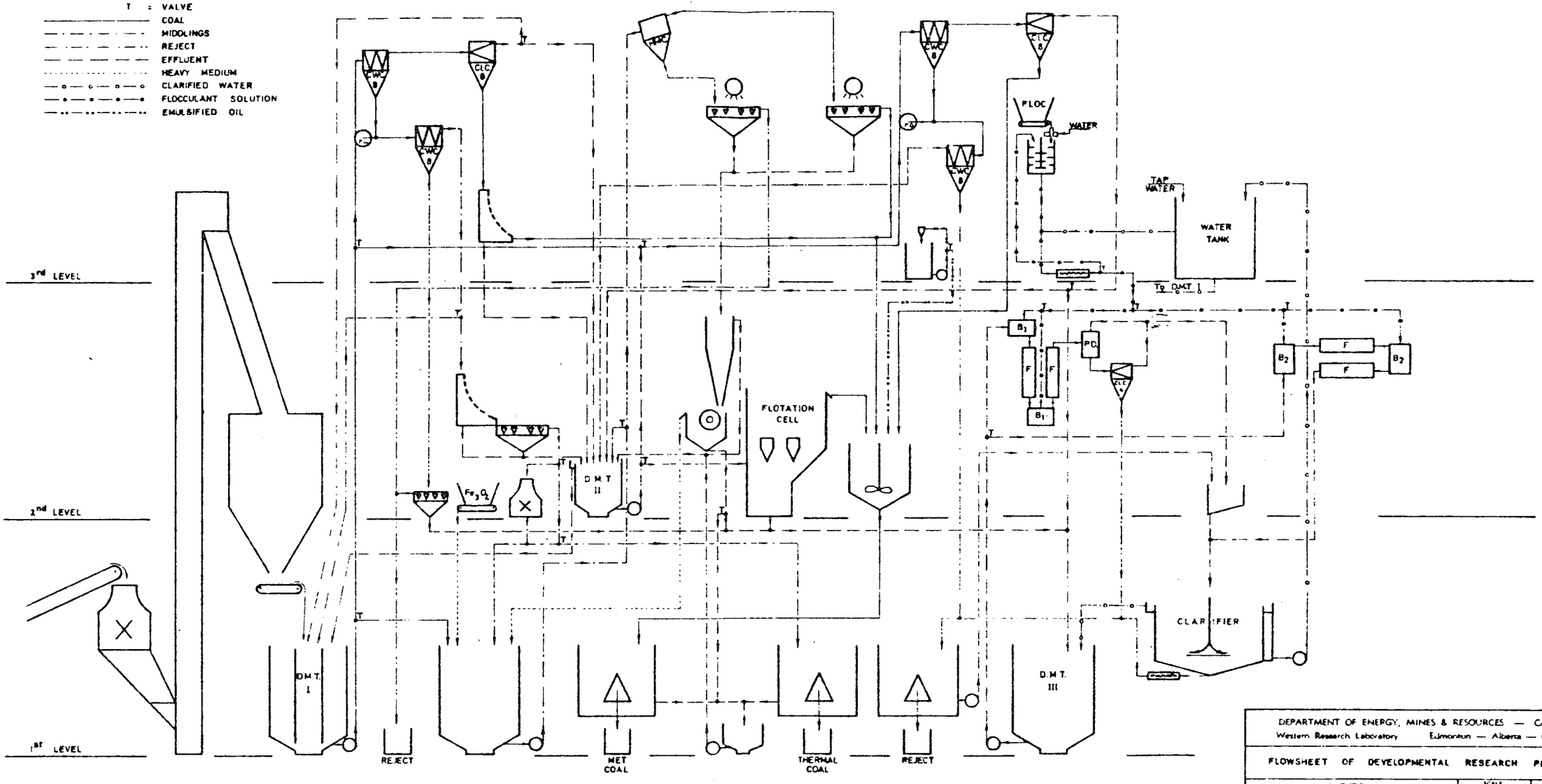


EMR – COAL PROCESSING PLANT

(10 STPH CAPACITY)

LEGEND

- $B_{1,2}$ = BLENDERS (8 in , 12 in)
- CLC = CLASSIFIER CYCLONE
- CWC = COMPOUND WATER CYCLONE
- DMT I, II, III = DUAL MIX TANKS
- F = FLOCCULATOR PIPE
- Fe_3O_4 = MAGNETITE
- PD = PULP DIVIDER
- T = VALVE
- COAL
- MIDDLINGS
- REJECT
- EFFLUENT
- HEAVY MEDIUM
- CLARIFIED WATER
- FLOCCULANT SOLUTION
- EMULSIFIED OIL



DEPARTMENT OF ENERGY, MINES & RESOURCES — CANMET
Western Research Laboratory Edmonton — Alberta — Canada

FLOWSHEET OF DEVELOPMENTAL RESEARCH PLANT

DESCRIPTION	SCALE	Drawn by DEH
	DATE 23 06 76	Appd by
	DWG. NO	
	SHEET	

SURVEYING, TOPOGRAPHIC MAPPING AND AERIAL PHOTOGRAPHY

All surveying, topographic mapping and aerial photography was carried out by Burnett Resource Surveys Ltd. and is summarized as follows:

Surveying

1. Control surveying for 1:5000 topographic maps was undertaken to control medium (1:15000) and hi-level (1:25000 and 1:32000) air photographs obtained in 1975 over an area of approximately 64,750 hectares.

2. All 1976 drill holes and some previous data points were surveyed in the Roman, Sheriff, Frame and Babcock areas.

3. A detailed control survey of low-level photography (1:10000) from 1975 for the Sheriff and Frame areas was undertaken and "tied-in" with the primary control network. This survey covered approximately 1,200 hectares.

*NOTE - All surveying was based on the U.T.M. System. Geodetic data was calculated using the prime Government control station at Quintette Mountain.

Topographic Mapping and Cartography

1. Detailed topographic maps at 1:2500 scale with 2 metre contours were completed for the Sheriff and Frame Pit Areas.

2. The main infrastructure area at Quintette covering approximately 54,400 hectares is currently planned for 1:5000 (5 metre contour) maps. At present 13,000 hectares are complete.

*NOTE - All maps are on the U.T.M. System and sheets are laid out according to the coal licence boundaries. 1:2500 scale maps are incorporated in the 1:5000 scale series.

Aerial Photography

1. A 1:50000 scale black and white mosaic was prepared for the Quintette Area bounded to the north and south by Bullmoose Mountain and Kinuseo Creek, and to the west and east by the reserve areas and Grizzly Valley.

2. A series of nine (1:25000 scale) black and white mosaics are currently being prepared in areas of geomorphological interest.

3. Approximately one-half of the Johnson Area was covered by 1:12000 scale colour photos during the latter part of the 1976 field season.

RESERVES

Results of reserve calculations for the Quintette proposed pits are summarized on the following pages. The reserves were calculated from cross-section (mining section) grids in each of the pits. The mining sections were constructed from structure contour maps of the various seams. This system was used instead of a "planimetric" approach, since cross-sections and related tonnages were required by pit design engineers. Mining sections and detailed reserve calculations are included in "Appendix B".

The following is an explanation of the parameters and procedures as they are presented on the detailed reserve calculation tables. Please note that all units are metric.

Coal Thickness and In-Seam Dilution Thickness (C.T. and I.D.T.):

Reliable sections (good recoveries) were selected from various drill holes, adits and trenches for each mineable seam in each pit. True coal thickness and true in-seam dilution values were then interpolated from these points to the various mining sections in the grid for each pit. The data was placed on computer cards for each mining section.

Specific Gravity of Coal, In-Seam Dilution and Out-of-Seam Dilution (S.G.C. - S.G.I.D. and S.G.O.D.):

Coal S.G.

Based on extensive quality tests, it was decided to use 1.3 S.G. for Quintette coal.

In-Seam and Out-of-Seam Dilution S.G.

From raw ash versus specific gravity curves and on individual specific gravity testing, it was possible to estimate the specific gravity of the various carbonaceous and non-carbonaceous partings within reliable mining sections. Weighted average in-seam dilution specific gravities were then calculated for each section and a final total estimate for each seam was derived. The same specific gravity data was used to predict out-of-seam dilution S.G., however, the procedure was not as detailed as roof and floor rock were usually of a consistent lithology and thus a consistent S.G.

The specific gravities established were placed on computer cards.

Out-of-Seam Dilution Thickness (O.D.T.):

It was consistently estimated that 5% (by weight) of a mining section should be included during mining as out-of-seam dilution. With a known specific gravity, the out-of-seam dilution thickness was then calculated on each section for each seam.

SUMMARY REPORT(GEOLGY)

RUN TITLE :WINDY PIT DEC 06 76

PROPERTY: QUINTETTE PIT: WINDY PIT

SEAM	AVG COAL THICK:	THEORETICAL COAL RESERVES RAW COAL RESRVS: OXID	UNOXID	THEO. IN-PLACE: RAW COAL RESRVS: OXID	UNOXID	THEORETICAL *1 RAW COAL RESRVS: OXID	UNOXID	GEO. FACTORED *2 RAW COAL RESRVS: OXID	UNOXID	WT'D AVG SP.G OF PLANT FEED	PLANT FEED	AVG YIELD	CLEAN COAL RESERVES	PRODUCT COAL
D	2.443	.443	.889	.552	1.092	.579	1.146	.538	1.016	1.430	.969	.767	.6794	.7151
E	2.057	.368	1.169	.646	2.084	.679	2.188	.630	1.924	1.648	1.836	.519	.8861	.9327
F	2.017	.392	1.468	.519	1.940	.545	2.037	.506	1.785	1.461	1.703	.692	1.1109	1.1694
G	1.295	.218	1.026	.270	1.267	.284	1.330	.263	1.169	1.398	1.115	.738	.7798	.8209
J	3.759	.142	3.069	.182	3.937	.191	4.134	.179	3.682	1.445	3.512	.711	2.3613	2.4856
K	2.077	.007	1.742	.007	1.971	.008	2.069	.007	1.845	1.385	1.760	.811	1.3420	1.4126
JOK	5.620	.069	2.393	.086	2.972	.090	3.121	.081	2.653	1.429	2.531	.736	1.7576	1.8501
TOTAL		1.659	11.757	2.263	15.263	2.376	16.027	2.205	14.073	1.465	13.426	.701	8.9171	9.3865

*1 INCLUDES IN SEAM DILUTION ONLY

*2 INCLUDES IN SEAM AND OUT OF SEAM DILUTION

STOP END OF RUN

SUMMARY REPORT(GEOLGY)

RUN TITLE :ROMAN

PROPERTY: QUINTETTE PIT: ROMAN

SEAM	AVG COAL THICK:	THEORETICAL COAL RESERVES RAW COAL RESRVS: OXID	UNOXID	THEO. IN-PLACE: RAW COAL RESRVS: OXID	UNOXID	THEORETICAL *1 RAW COAL RESRVS: OXID	UNOXID	GEO. FACTORED *2 RAW COAL RESRVS: OXID	UNOXID	WT'D AVG SP.G OF PLANT FEED	PLANT FEED	AVG YIELD	CLEAN COAL RESERVES	PRODUCT COAL
I	2.960	.490	5.731	.530	6.219	.557	6.530	.483	5.446	1.368	5.195	.667	3.2625	3.4342
J	4.869	.869	9.724	.939	10.543	.986	11.071	.854	9.212	1.352	8.788	.845	6.9695	7.3573
E	2.035	.253	2.068	.374	2.965	.392	3.113	.350	2.621	1.554	2.500	.631	1.5029	1.5820
D-2	2.976	.292	1.990	.328	2.174	.344	2.283	.310	1.924	1.367	1.835	.827	1.4482	1.5245
F	2.078	.247	2.571	.291	3.076	.306	3.230	.273	2.710	1.416	2.586	.775	1.8659	1.9641
D-1	1.259	.016	.158	.017	.170	.018	.179	.016	.148	1.359	.142	.845	.1132	.1192
TOTAL		2.167	22.241	2.479	25.148	2.603	26.406	2.284	22.061	1.405	21.046	.751	15.1821	15.9812

*1 INCLUDES IN SEAM DILUTION ONLY

*2 INCLUDES IN SEAM AND OUT OF SEAM DILUTION

STOP END OF RUN

SUMMARY REPORT(GEOLGY)

RUN TITLE :SHERIF PIT REVISION 5 COMBINED WITH DEPUTY DEC 20 76

PROPERTY: QUINTETTE PIT: SHERIFF REV 3

SEAM	AVG COAL THICK	THEORETICAL COAL RESERVES OXID	THEORETICAL COAL RESERVES UNOXID	THEO. IN-PLACE *1 RAW COAL RESRVS OXID	THEO. IN-PLACE *1 RAW COAL RESRVS UNOXID	THEORETICAL *2 RAW COAL RESRVS OXID	THEORETICAL *2 RAW COAL RESRVS UNOXID	GEO. FACTORED *2 RAW COAL RESRVS OXID	GEO. FACTORED *2 RAW COAL RESRVS UNOXID	WT'D AVG SP.G OF PLANT FEED	PLANT FEED	AVG YIELD	CLEAN COAL RESERVES	PRODUCT COAL
J	7.983	1.385	7.464	1.804	9.815	1.895	10.306	1.711	8.912	1.465	8.502	.702	5.5757	5.8691
D	1.695	.335	.362	.407	.519	.428	.545	.405	.486	1.400	.463	.707	.2787	.2934
E-1	6.062	1.489	3.085	2.256	4.639	2.369	4.871	2.182	4.276	1.476	4.079	.607	2.3384	2.4614
E-1A	1.980	.010	.032	.017	.054	.018	.057	.016	.048	1.515	.046	.537	.0234	.0247
G	1.143	.343	.851	.422	1.041	.443	1.093	.402	.946	1.400	.902	.772	.6371	.6706
E-2	.843	.184	.454	.254	.526	.267	.553	.236	.466	1.414	.445	.758	.3314	.3488
J-1	1.400	.005	.023	.010	.048	.010	.051	.010	.046	1.670	.043	.446	.0183	.0192
TOTAL		3.752	12.272	5.171	16.643	5.430	17.475	4.961	15.180	1.443	14.482	.700	9.2029	9.6873

*1 INCLUDES IN SEAM DILUTION ONLY

*2 INCLUDES IN SEAM AND OUT OF SEAM DILUTION
STOP END OF RUN

23

SUMMARY REPORT(GEOLGY)

RUN TITLE :FRAME PIT REVISION 2 DEC 22 76

PROPERTY: QUINTETTE PIT: FRAME PIT

SEAM	AVG COAL THICK	THEORETICAL COAL RESERVES OXID	THEORETICAL COAL RESERVES UNOXID	THEO. IN-PLACE *1 RAW COAL RESRVS OXID	THEO. IN-PLACE *1 RAW COAL RESRVS UNOXID	THEORETICAL *2 RAW COAL RESRVS OXID	THEORETICAL *2 RAW COAL RESRVS UNOXID	GEO. FACTORED *2 RAW COAL RESRVS OXID	GEO. FACTORED *2 RAW COAL RESRVS UNOXID	WT'D AVG SP.G OF PLANT FEED	PLANT FEED	AVG YIELD	CLEAN COAL RESERVES	PRODUCT COAL
G	3.157	.796	6.666	.925	7.807	.971	8.197	.869	6.890	1.398	6.573	.786	4.8403	5.0950
J	3.313	.631	8.064	.764	9.710	.802	10.196	.674	8.070	1.400	7.699	.761	5.5098	5.7998
E	3.495	.989	5.353	1.267	7.020	1.330	7.371	1.158	6.243	1.423	5.956	.719	3.9141	4.1201
F	1.445	.349	3.123	.554	4.725	.582	4.961	.502	4.093	1.542	3.904	.574	2.2335	2.3511
D	2.011	.659	3.351	.788	4.009	.827	4.209	.731	3.612	1.417	3.445	.740	2.4838	2.6145
TOTAL		3.425	26.557	4.298	33.271	4.513	34.934	3.933	28.907	1.434	27.578	.719	18.9814	19.9805

*1 INCLUDES IN SEAM DILUTION ONLY

*2 INCLUDES IN SEAM AND OUT OF SEAM DILUTION
STOP END OF RUN

Reserves - continued

Mining Section Thickness:

The mining section thickness for each seam was then calculated as the sum of coal, in-seam and out-of-seam dilution thicknesses.

Weighted Average Specific Gravity of Mining Section:

Using the thickness and S.G. of the three portions of each mining section, a weighted average specific gravity was calculated.

Seam Length (Oxidized - L.O. and Unoxidized - L.U.):

The oxidized and unoxidized portions of each seam within the pit were measured on each mining section and transferred to the computer data cards.

*NOTE - It should be noted that the lengths found in the detailed reserve print-outs are those within pit limited, however, the outline of the pit is not shown on respective mining sections as pit planning is not yet complete.

Section Width (W):

The width or influence was also input and normally represented 100 metres of strike length as this was the grid spacing.

Reserve Categories and Calculations:

Theoretical Coal (Oxidized and Unoxidized)

The in-place coal only tonnage with no deductions.

Calculation: C.T. x S.G.C. x L.U. or L.O. x W

Theoretical In-Place Raw Coal (Oxidized and Unoxidized)

The in-place coal and in-seam dilution tonnage with no deductions.

Calculation: Theoretical coal reserve + I.D.T. x S.G.I.D. x L.U. or L.O. x W

Theoretical Raw Coal Reserve (Oxidized and Unoxidized)

The in-place coal, in-seam dilution and out-of-seam dilution tonnage with no deductions.

Calculation: Theoretical in-place Raw Coal Reserve + O.D.T. x S.G.O.D. x L.U. or L.O. x W

Raw Coal Reserve (Oxidized and Unoxidized)

The theoretical raw coal tonnage is reduced by a geological factor (g.f.) to give the raw coal reserve. At this point, 6% pit water is included with the oxidized raw reserve.

Reserves - continued

Reserve Categories and Calculations - continued

Plant Feed

Plant feed is the unoxidized raw coal tonnage received at the wash plant and is derived by including 6% pit water with unoxidized raw tonnage and reducing it by the mining factor (m.f.) (.9) to account for mining loss.

Clean Coal

Clean coal is an estimate of the dry coal produced by the wash plant. To obtain clean coal, the plant feed tonnage of any seam is multiplied by the estimated plant yield for that seam.

Plant Yield

The equation used for plant yield is as follows:

$$\frac{\text{C.T. x S.G.O. x .96}}{\text{C.T. x S.G.C. x I.D.T. x S.G.I.D. x O.D.T. x S.G.O.D.}}$$

which is simply a weight ratio of coal reduced by 4% for wash plant inefficiency to the weight of the entire section. It should be noted that actual yields from reliable cored section washabilities were compared to this calculated yield and generally found to be within 5% of the actual value.

Product Coal

Five percent (5%) moisture was added to clean coal to obtain product coal.

RECLAMATION

Reclamation involving slash abatement, water bar and culvert installation, ditching, recontouring, infilling and the harrowing of fertilizer and seed mixture was undertaken on all land disturbed by 1976 exploration, and on some disturbed areas from previous programs. Numerous site inspections were made by members of the Inspection and Reclamation Branches of the British Columbia Government Department of Mines and Petroleum Resources. A report dealing with 1976 reclamation has been submitted to the Department of Mines & Petroleum Resources by J. Baker who was responsible for the reclamation program.

C O N C L U S I O N

The 1976 Quintette Exploration Program successfully improved the level of confidence of reserves in the Roman, Sheriff and Frame Pits. At present, a total of 109,000,000 metric tonnes of theoretical raw coal reserve (in-place) are within mine planning areas of the four Quintette proposed open pits. In addition to geological information further quality tests were carried out from drilling and two bulk samples from "e" and 'J' Seams in the Sheriff Pit and indicated that all coal was of acceptable metallurgical quality.

Preliminary mapping north and south of the Sheriff and Frame Pits indicated that small pits in the Gates Member may be confirmed with drilling northeast of the Sheriff Pit. With verification of quality and continuity, underground reserves in the Gething Formation may be confirmed in the Gething Formation south of the Sheriff and Frame Pits with open pit potential restricted to further exploration in the Gates and basal Gething immediately north of the Murray River.

A C K N O W L E D G E M E N T S

Acknowledgement and thanks are extended to the following staff members and contractors whose efforts led to the successful completion of the 1976 Quintette Exploration Program.

Denison Coal Limited Staff:

Geological:	J. Perry	- Geologist
	A. Bak	- Geologist
	D. Patterson	- Geologist
	B. Wong	- Geological Engineer
	C. Mankowski	- Geologist
	C. Bickford	- Geology Student
	D. Gatto	- Geology Student
Camp Management and Reclamation:	J. Baker	- Reclamation and Camp Management
	L. Scorgie	- General Assistant
	P. Roman	- General Assistant

Mitsui Mining Co. Ltd. Staff:

I. Kakizaki	- Manager, Geology Section
T. Shima	- Geologist
Y Kowaguchi	- Geologist
I. Ohwa	- Geologist

Contractors:

Adits:	A & B Contracting Ltd., Calgary
Air Support:	McCord Helicopters, Calgary
Air Support:	Nahanni Helicopters, Calgary
Heavy Equipment:	Tompkins Contracting, Fort St. John
Diamond Drilling:	Tonto Drilling, Vancouver
Catering:	Westcamp Construction Catering, Edmonton
Fuel:	South Peace Petroleums, Dawson Creek
Surveying, Photogrammetry and Cartography:	Burnett Resource Surveys, Calgary and Vancouver
Geophysical Logs	Roke Oil Enterprises Ltd., Calgary
Analysis	Cyclone Engineering Sales, Edmonton

G. P. Gormley, P. Geol.
Project Geologist

WOLVERINE AREA

FRAME PIT

SHERIFF PIT

QUINTETTE TREND NORTH AREA (WATERFALL CREEK)

BABCOCK AREA

QUINTETTE TREND SOUTH AREA

5 CABIN AREA

ROMAN PIT

SHAFTESBURY FM

BOULDER CREEK MEMBER

HULCROSS MEMBER

GATES MEMBER

MOOSEBAR FM

GETHING FM

CADOMIN FM

COMMOTION FORMATION

METRES

1975 STRATIGRAPHIC COLUMN OF MURRAY AREA

1975 MURRAY STRATIGRAPHIC COLUMN

1975 FRAME PIT CROSS-SECTION P-P'

1975 SHERIFF CROSS-SECTION J-J'

1976 SHERIFF SECTION #6

1976 SHERIFF SECTION #7

THICKNESS CROSS-SECTION NUMBER 5 - FRAME

THICKNESS CROSS SECTION NUMBER 3 FRAME

MEADOW SECTION #1

QWD #1

QWD 7118

SURFACE DATA FROM 1975 OBSERVATIONS

SURFACE DATA MITSUI SECTION 111

SURFACE DATA MITSUI SECTION 126

SURFACE DATA FROM QN1172-0368-P-01

MITSUI SECTION 126

INTERPRETATION OF CHIPS FROM KERR M'GEE DRILL HOLE KMG AEG MARY POP 36 80A

QBD 7209

QBD 7202

QBD 7307

QBD 7305

QBD 7306

QBD 7102

QBD 7304

QMD 7618

QMD 7605

QFD7221

QFD7220

QBD 7513

QBD7402

QBR 7590

A SEAM

B SEAM

C SEAM

D SEAM

E SEAM

F SEAM

G SEAM

J SEAM

K SEAM

K2 SEAM

G/1

UPPER COAL SEQUENCE

BIRD ZONE

SKETER - CHAMBERLAIN ZONE

TIRO SEAM

MIDDLE COALS

LOWER COALS

BABCOCK SANDSTONES

QUINTETTE SANDSTONES

TRANSITION ZONE

GATES 8

GATES 7

GATES 6

GATES 5

GATES 4

GATES 3

GATES 2

GATES 1

LOCATION MAP

SCALE 1:250,000

LEGEND:

SANDSTONE

SHALE

SILTSTONE

CARBONACEOUS SHALE 7.7 COAL SEAM THICKNESS (IN METRES)

BONY COAL

CONGLOMERATE

QBD 7602

DATA SOURCE USED FOR SECTION

QUINTETTE COAL LIMITED

QUINTETTE REGIONAL I CORRELATION CHART

FIG. 3.1.3.1

BABCOCK AREA

MURRAY AREA

ROMAN PIT

QUINTETTE TREND

SOUTH

NORTH

QBD 7653

T-12

QBD 7402

QBD 7401

T-5

T-7

G-I SEAM

* DRILLING INDICATES THAT SEAM I CORRELATES WITH SEAM G IN THE BABCOCK AREA

SOUTHWEST OF BABCOCK PIT

QBD 7301

QBD 7218

BABCOCK MOUNTAIN

BIG WINDY AREA

QBD 7507

QBD 7510

LITTLE WINDY AREA

QBD 7512

QBD 7511

SHERIFF PIT

QMD 7608

T-4

FRAME PIT

T-10

T-12

J SEAM

QBD 7508

QBD 7503

K SEAM

LEGEND

609

QUINTETTE COAL LIMITED

REPRESENTATIVE SECTIONS G-I, J & K SEAMS

FIG. 3.1.3.3

BABCOCK AREA

MURRAY AREA

ROMAN PIT

QUINTETTE TREND

SOUTH

NORTH

SOUTHWEST OF BABCOCK PIT

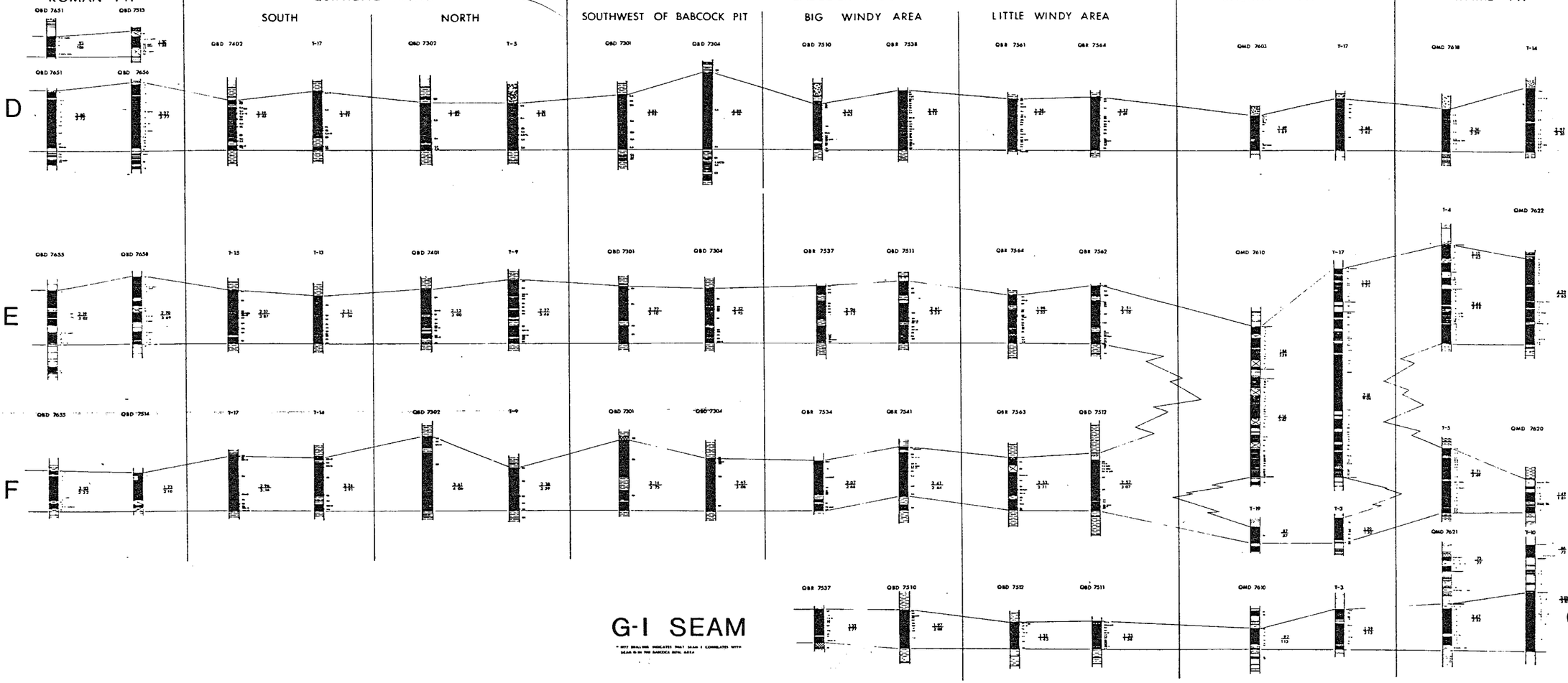
BABCOCK MOUNTAIN

BIG WINDY AREA

LITTLE WINDY AREA

SHERIFF PIT

FRAME PIT



609

QUINTETTE COAL LIMITED

REPRESENTATIVE SECTIONS D,E,F & G-I SEAMS

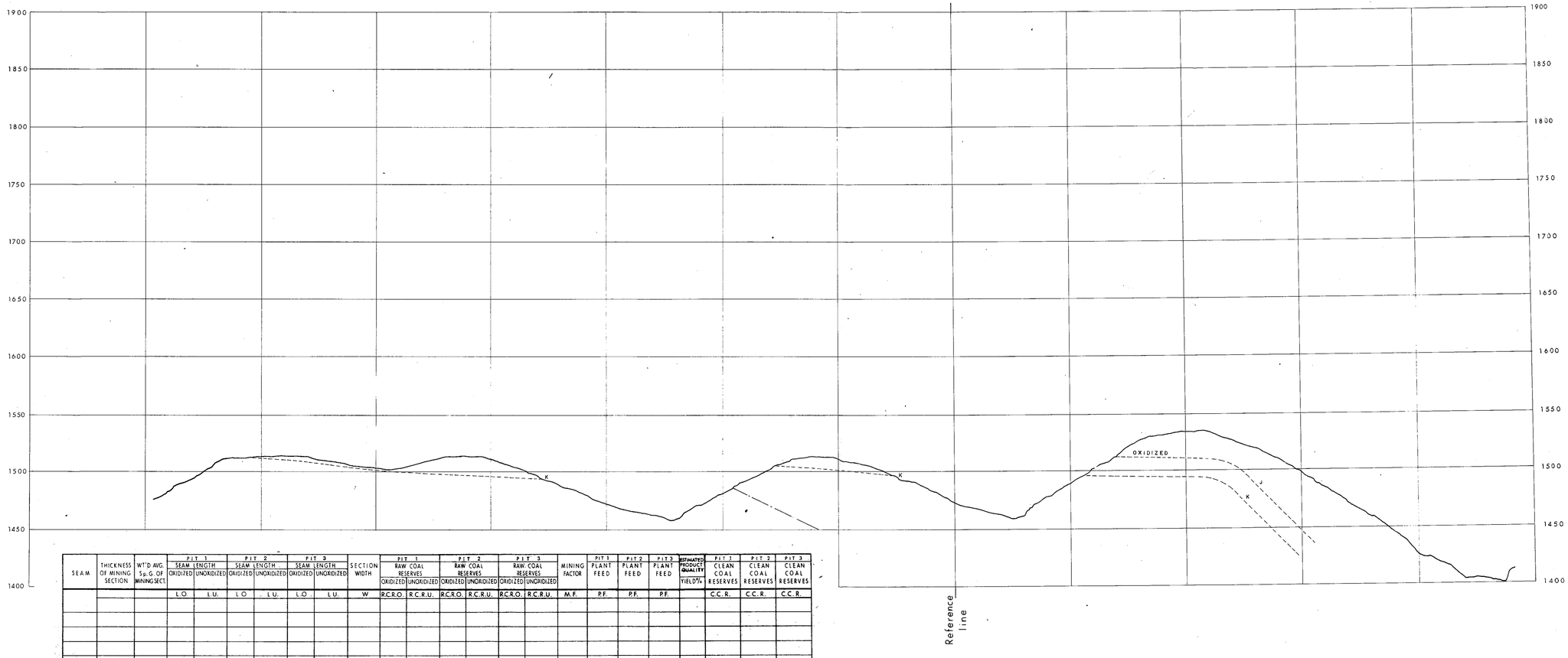
FIG. 3.1.3.2

PR - Quintette 76 (2) B

GEOLOGICAL BRANCH
ASSESSMENT REPORT

00 609

Windy.
Cross section.
W7606 - W7632.



SEAM	THICKNESS OF MINING SECTION	WT'D AVG. Sp. G. OF MINING SECT.	PIT 1 SEAM LENGTH OXIDIZED	PIT 1 SEAM LENGTH UNOXIDIZED	PIT 2 SEAM LENGTH OXIDIZED	PIT 2 SEAM LENGTH UNOXIDIZED	PIT 3 SEAM LENGTH OXIDIZED	PIT 3 SEAM LENGTH UNOXIDIZED	SECTION WIDTH	PIT 1 RAW COAL RESERVES OXIDIZED	PIT 1 RAW COAL RESERVES UNOXIDIZED	PIT 2 RAW COAL RESERVES OXIDIZED	PIT 2 RAW COAL RESERVES UNOXIDIZED	PIT 3 RAW COAL RESERVES OXIDIZED	PIT 3 RAW COAL RESERVES UNOXIDIZED	MINING FACTOR	PIT 1 PLANT FEED	PIT 2 PLANT FEED	PIT 3 PLANT FEED	ESTIMATED PRODUCT QUALITY YIELD%	PIT 1 CLEAN COAL RESERVES	PIT 2 CLEAN COAL RESERVES	PIT 3 CLEAN COAL RESERVES
			L.O.	L.U.	L.O.	L.U.	L.O.	L.U.	W	R.C.R.O.	R.C.R.U.	R.C.R.O.	R.C.R.U.	R.C.R.O.	R.C.R.U.	M.F.	P.F.	P.F.	P.F.		C.C.R.	C.C.R.	C.C.R.

QUINTETTE COAL LIMITED

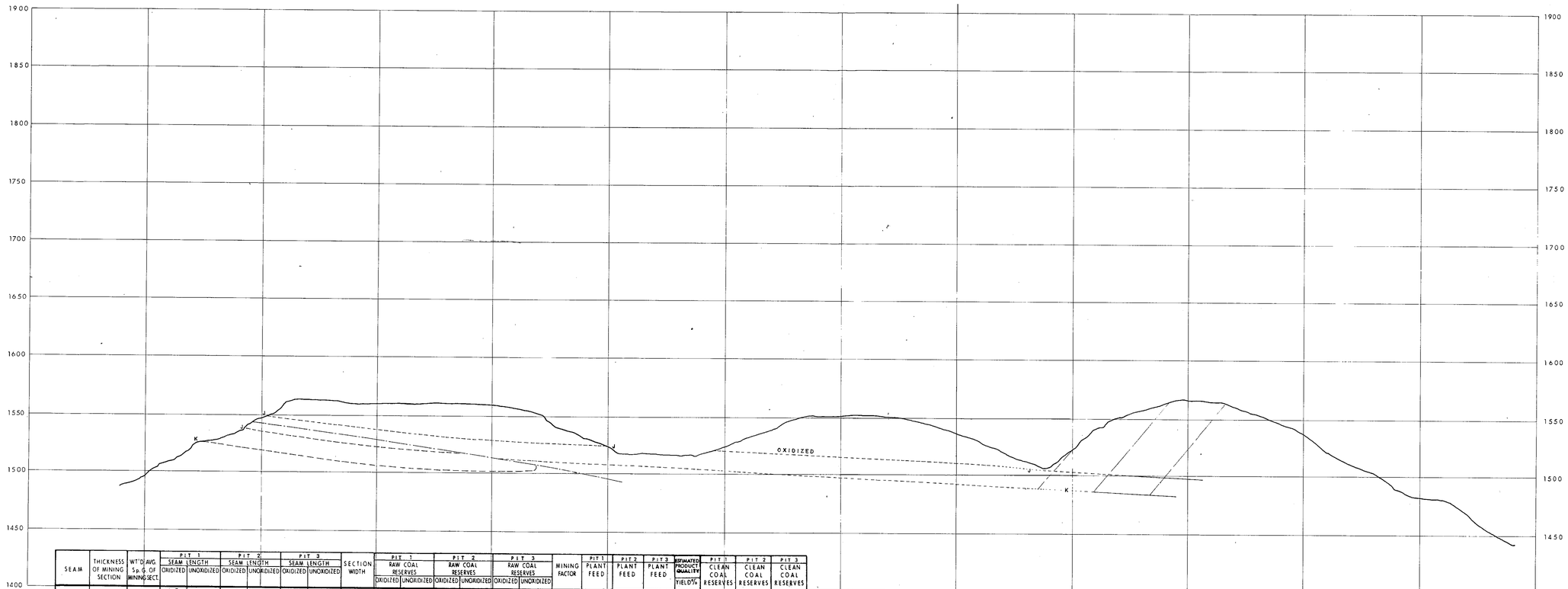
PREPARED BY:
DENISON COAL LIMITED
CALGARY ALBERTA

PR-Quintette 76(2)B

WINDY

CROSS SECTION W7606

DRAWN BY E. Toth	DATE: SEPT. '76
APPROVED BY:	DRAWING NO: QNTT 76-0676-R01
	SCALE: 1:2500



SEAM	THICKNESS OF MINING SECTION	WT'D AVG. Sp. G. OF MINING SECT.	PIT 1 SEAM LENGTH OXIDIZED	PIT 1 SEAM LENGTH UNOXIDIZED	PIT 2 SEAM LENGTH OXIDIZED	PIT 2 SEAM LENGTH UNOXIDIZED	PIT 3 SEAM LENGTH OXIDIZED	PIT 3 SEAM LENGTH UNOXIDIZED	SECTION WIDTH	PIT 1 RAW COAL RESERVES OXIDIZED	PIT 1 RAW COAL RESERVES UNOXIDIZED	PIT 2 RAW COAL RESERVES OXIDIZED	PIT 2 RAW COAL RESERVES UNOXIDIZED	PIT 3 RAW COAL RESERVES OXIDIZED	PIT 3 RAW COAL RESERVES UNOXIDIZED	MINING FACTOR	PIT 1 PLANT FEED	PIT 2 PLANT FEED	PIT 3 PLANT FEED	ESTIMATED PRODUCT QUALITY YIELD%	PIT 1 CLEAN COAL RESERVES	PIT 2 CLEAN COAL RESERVES	PIT 3 CLEAN COAL RESERVES
			LO	LU.	LO	LU.	LO	LU.	W	R.C.R.O.	R.C.R.U.	R.C.R.O.	R.C.R.U.	R.C.R.O.	R.C.R.U.	M.F.	P.F.	P.F.	P.F.		C.C.R.	C.C.R.	C.C.R.

QUINTETTE COAL LIMITED

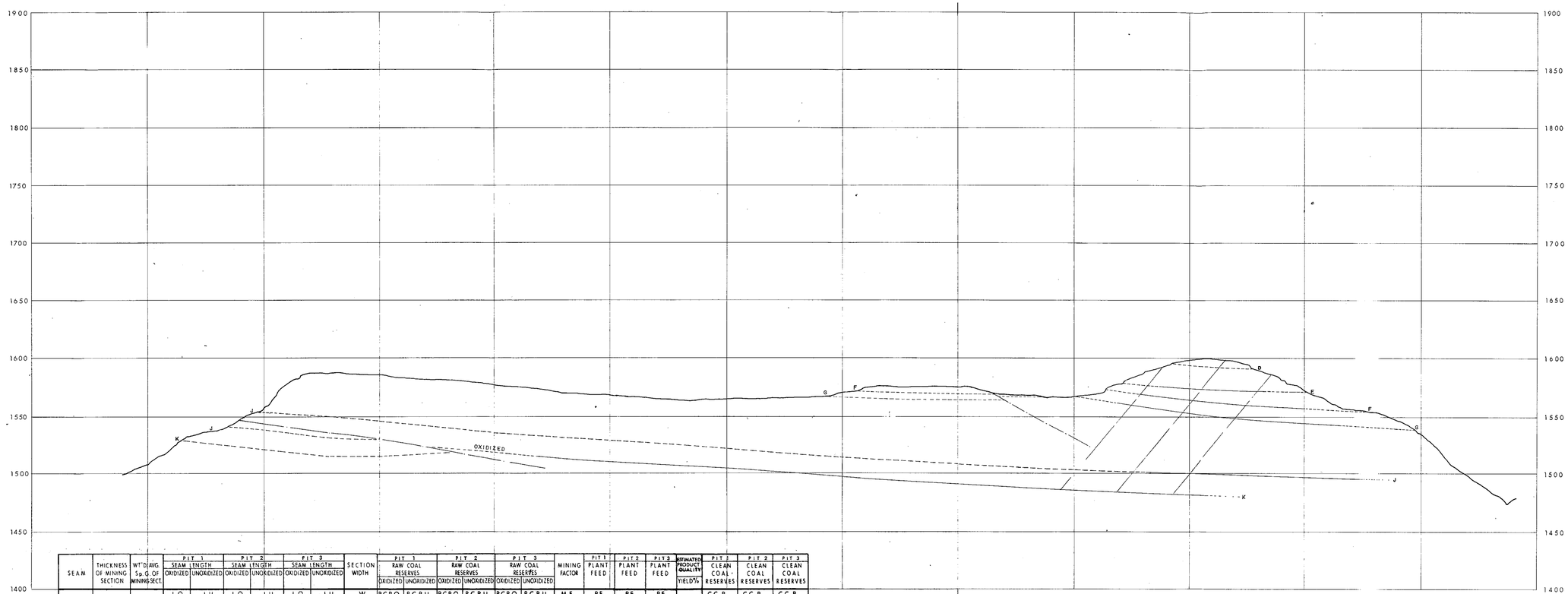
PREPARED BY:
DENISON COAL LIMITED
CALGARY ALBERTA

PR-Quintette 76(2)B

WINDY

CROSS SECTION W76 07

DRAWN BY E. Loth	DATE SEPT. '76	SCALE 1:2500
APPROVED BY	DRAWING NO QNTT 76-0676-R01	



SEAM	THICKNESS OF MINING SECTION	WT'D AVG. Sp. G. OF MINING SECT.	PIT 1 SEAM LENGTH OXIDIZED	PIT 1 SEAM LENGTH UNOXIDIZED	PIT 2 SEAM LENGTH OXIDIZED	PIT 2 SEAM LENGTH UNOXIDIZED	PIT 3 SEAM LENGTH OXIDIZED	PIT 3 SEAM LENGTH UNOXIDIZED	SECTION WIDTH	PIT 1 RAW COAL RESERVES OXIDIZED	PIT 1 RAW COAL RESERVES UNOXIDIZED	PIT 2 RAW COAL RESERVES OXIDIZED	PIT 2 RAW COAL RESERVES UNOXIDIZED	PIT 3 RAW COAL RESERVES OXIDIZED	PIT 3 RAW COAL RESERVES UNOXIDIZED	MINING FACTOR	PIT 1 PLANT FEED	PIT 2 PLANT FEED	PIT 3 PLANT FEED	ESTIMATED PRODUCT QUALITY YIELD%	PIT 1 CLEAN COAL RESERVES	PIT 2 CLEAN COAL RESERVES	PIT 3 CLEAN COAL RESERVES
			L.O.	L.U.	L.O.	L.U.	L.O.	L.U.	W	R.C.R.O.	R.C.R.U.	R.C.R.O.	R.C.R.U.	R.C.R.O.	R.C.R.U.	M.F.	P.F.	P.F.	P.F.		C.C.R.	C.C.R.	C.C.R.

QUINTETTE COAL LIMITED

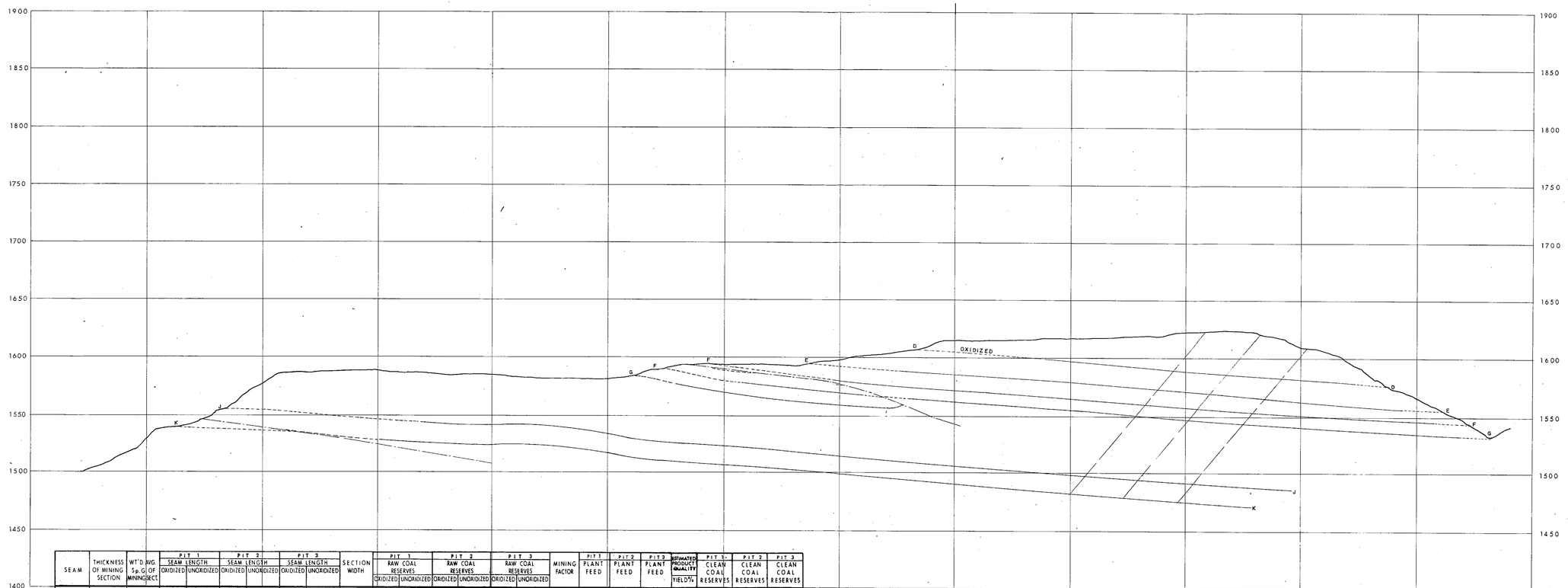
PREPARED BY:
DENISON COAL LIMITED
CALGARY ALBERTA

PR-Quintette 76(2)B.

WINDY

CROSS SECTION W76.08

DRAWN BY E. Toth	DATE SEPT. '76	SCALE 1:2500
APPROVED BY	DRAWING NO QNTT 76-0676-R01	



SEAM	THICKNESS OF MINING SECTION	WT'D AVG. Sp. G. OF MINING SECT.	PIT 1 SEAM LENGTH OXIDIZED	PIT 1 SEAM LENGTH UNOXIDIZED	PIT 2 SEAM LENGTH OXIDIZED	PIT 2 SEAM LENGTH UNOXIDIZED	PIT 3 SEAM LENGTH OXIDIZED	PIT 3 SEAM LENGTH UNOXIDIZED	SECTION WIDTH	PIT 1 RAW COAL RESERVES OXIDIZED	PIT 1 RAW COAL RESERVES UNOXIDIZED	PIT 2 RAW COAL RESERVES OXIDIZED	PIT 2 RAW COAL RESERVES UNOXIDIZED	PIT 3 RAW COAL RESERVES OXIDIZED	PIT 3 RAW COAL RESERVES UNOXIDIZED	MINING FACTOR	PIT 1 PLANT FEED	PIT 2 PLANT FEED	PIT 3 PLANT FEED	ESTIMATED PRODUCT QUALITY YIELD %	PIT 1 CLEAN COAL RESERVES	PIT 2 CLEAN COAL RESERVES	PIT 3 CLEAN COAL RESERVES
			L.O.	L.U.	L.O.	L.U.	L.O.	L.U.	W	R.C.R.O.	R.C.R.U.	R.C.R.O.	R.C.R.U.	R.C.R.O.	R.C.R.U.	M.F.	P.F.	P.F.	P.F.		C.C.R.	C.C.R.	C.C.R.

QUINTETTE COAL LIMITED

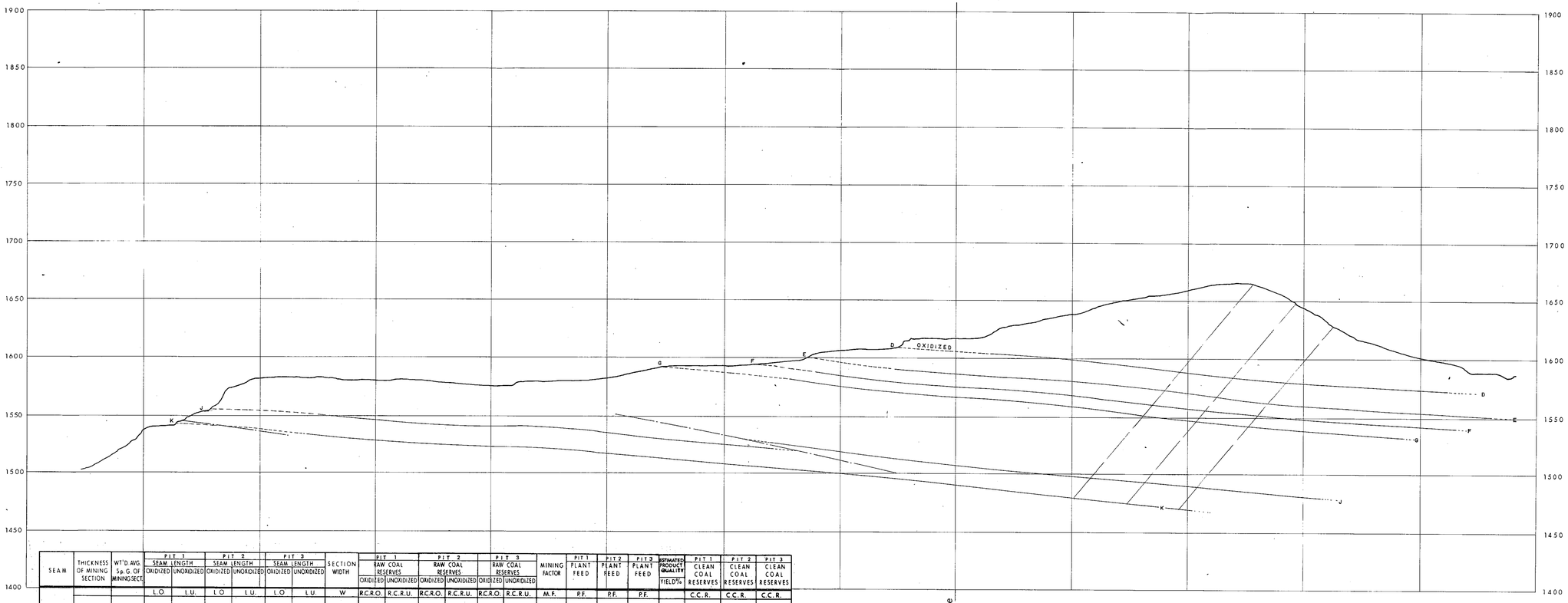
PREPARED BY: DENISON COAL LIMITED
CALGARY ALBERTA

PR-Quintette 76(2)B.

WINDY

CROSS SECTION W7609

DRAWN BY E. Loth	DATE SEPT. '76	SCALE 1:2500
APPROVED BY	DRAWING NO QNTT 76-0676-R01	



SEAM	THICKNESS OF MINING SECTION	WT'D. AVG. Sp. G. OF MINING SECT.	PIT 1 SEAM LENGTH OXIDIZED	PIT 1 SEAM LENGTH UNOXIDIZED	PIT 2 SEAM LENGTH OXIDIZED	PIT 2 SEAM LENGTH UNOXIDIZED	PIT 3 SEAM LENGTH OXIDIZED	PIT 3 SEAM LENGTH UNOXIDIZED	SECTION WIDTH	PIT 1 RAW COAL RESERVES OXIDIZED	PIT 1 RAW COAL RESERVES UNOXIDIZED	PIT 2 RAW COAL RESERVES OXIDIZED	PIT 2 RAW COAL RESERVES UNOXIDIZED	PIT 3 RAW COAL RESERVES OXIDIZED	PIT 3 RAW COAL RESERVES UNOXIDIZED	MINING FACTOR	PIT 1 PLANT FEED	PIT 2 PLANT FEED	PIT 3 PLANT FEED	ESTIMATED PRODUCT QUALITY	PIT 1 CLEAN COAL RESERVES	PIT 2 CLEAN COAL RESERVES	PIT 3 CLEAN COAL RESERVES
			L.O.	L.U.	L.O.	L.U.	L.O.	L.U.	W	R.C.R.O.	R.C.R.U.	R.C.R.O.	R.C.R.U.	R.C.R.O.	R.C.R.U.	M.F.	P.F.	P.F.	P.F.	YIELD%	C.C.R.	C.C.R.	C.C.R.

QUINTETTE COAL LIMITED

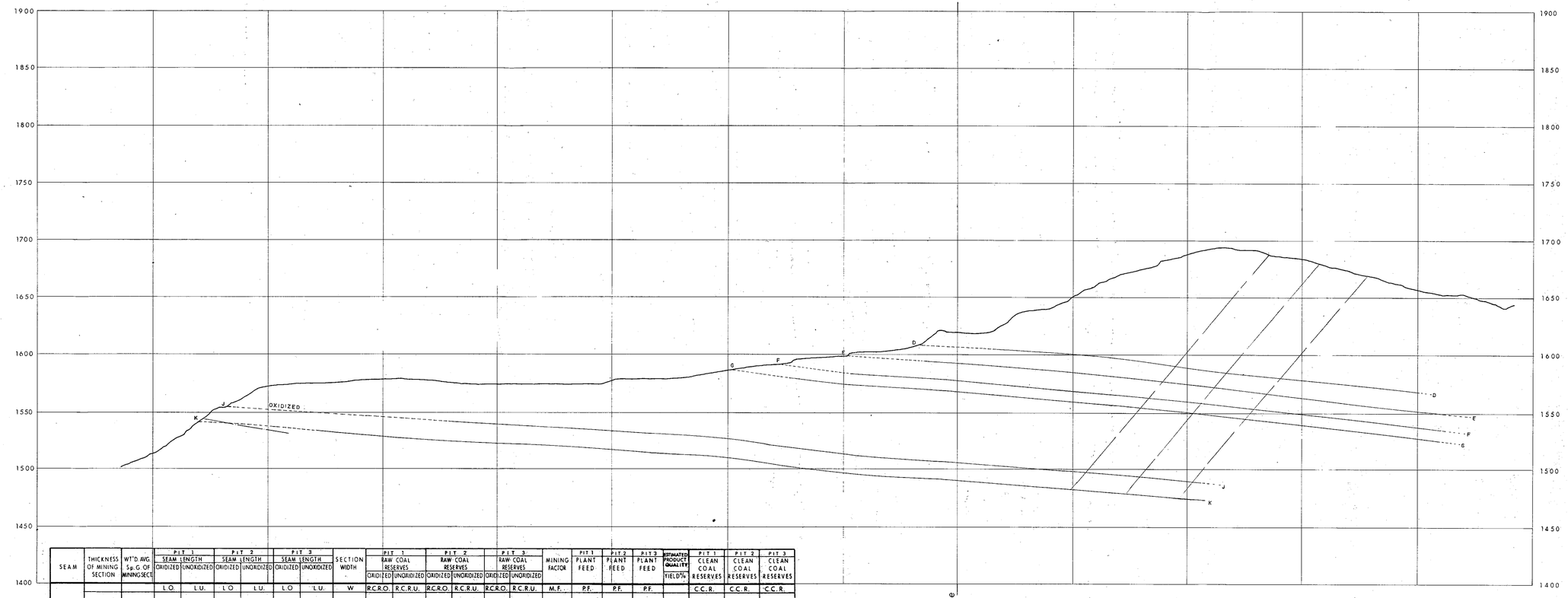
PREPARED BY:
DENISON COAL LIMITED
CALGARY ALBERTA

PR-Quintette 76(2)B

WINDY

CROSS SECTION W7610

DRAWN BY E. TOTH	DATE SEPT. '76	SCALE 1:2500
APPROVED BY	DRAWING NO QNTT 76-0676-R01	



SEAM	THICKNESS OF MINING SECTION	WT'D AVG Sp. G. OF MINING SECT.	PIT 1 SEAM LENGTH OXIDIZED	PIT 1 SEAM LENGTH UNOXIDIZED	PIT 2 SEAM LENGTH OXIDIZED	PIT 2 SEAM LENGTH UNOXIDIZED	PIT 3 SEAM LENGTH OXIDIZED	PIT 3 SEAM LENGTH UNOXIDIZED	SECTION WIDTH	PIT 1 RAW COAL RESERVES OXIDIZED	PIT 1 RAW COAL RESERVES UNOXIDIZED	PIT 2 RAW COAL RESERVES OXIDIZED	PIT 2 RAW COAL RESERVES UNOXIDIZED	PIT 3 RAW COAL RESERVES OXIDIZED	PIT 3 RAW COAL RESERVES UNOXIDIZED	MINING FACTOR	PIT 1 PLANT FEED	PIT 2 PLANT FEED	PIT 3 PLANT FEED	ESTIMATED PRODUCT QUALITY YIELD%	PIT 1 CLEAN COAL RESERVES	PIT 2 CLEAN COAL RESERVES	PIT 3 CLEAN COAL RESERVES
			L.O.	L.U.	L.O.	L.U.	L.O.	L.U.	W	R.C.R.O.	R.C.R.U.	R.C.R.O.	R.C.R.U.	R.C.R.O.	R.C.R.U.	M.F.	P.F.	P.F.	P.F.		C.C.R.	C.C.R.	C.C.R.

QUINTETTE COAL LIMITED

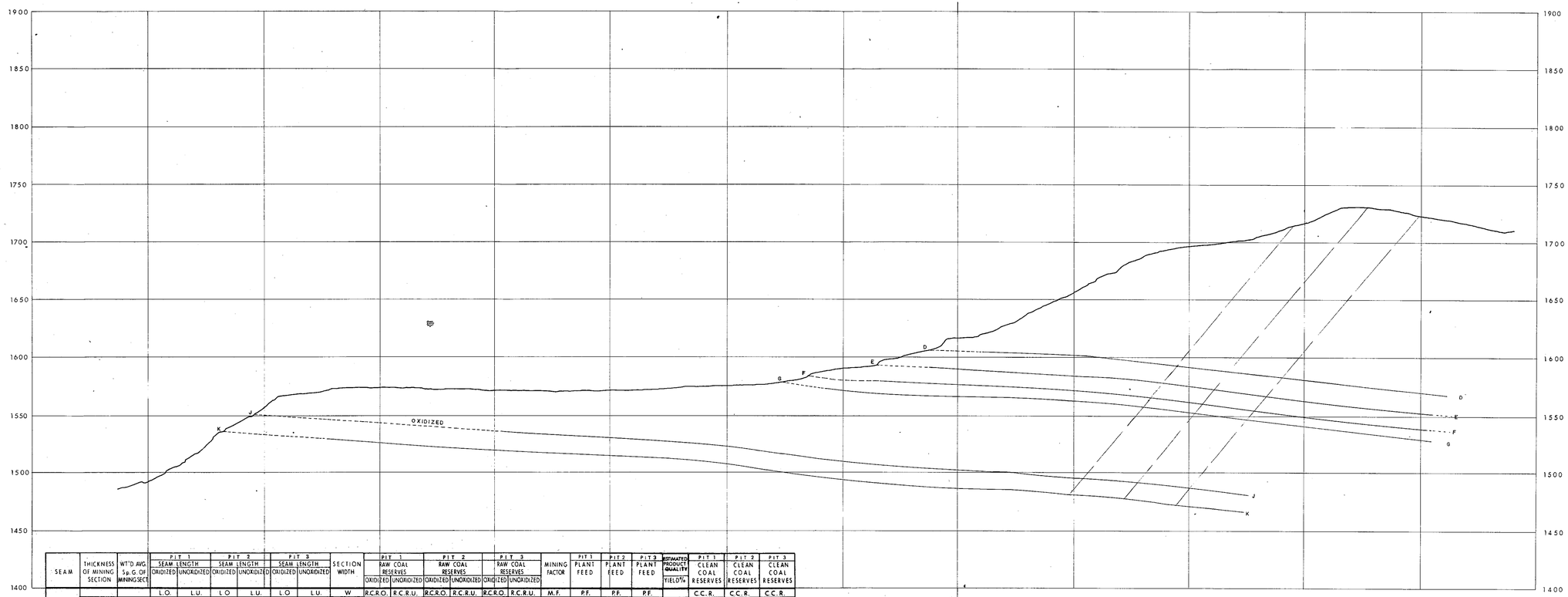
PREPARED BY: DENISON COAL LIMITED
CALGARY ALBERTA

PR-Quintette 76(2)B

WINDY

CROSS SECTION W7611

DRAWN BY: E. Loth	DATE: SEPT. '76	SCALE: 1:2500
APPROVED BY:	DRAWING NO: QNTT 76-0676-R01	



SEAM	THICKNESS OF MINING SECTION	WT'D AVG. Sp. G. OF MINING SECT.	PIT 1 SEAM LENGTH OXIDIZED	PIT 1 SEAM LENGTH UNOXIDIZED	PIT 2 SEAM LENGTH OXIDIZED	PIT 2 SEAM LENGTH UNOXIDIZED	PIT 3 SEAM LENGTH OXIDIZED	PIT 3 SEAM LENGTH UNOXIDIZED	SECTION WIDTH	PIT 1 RAW COAL RESERVES OXIDIZED	PIT 1 RAW COAL RESERVES UNOXIDIZED	PIT 2 RAW COAL RESERVES OXIDIZED	PIT 2 RAW COAL RESERVES UNOXIDIZED	PIT 3 RAW COAL RESERVES OXIDIZED	PIT 3 RAW COAL RESERVES UNOXIDIZED	MINING FACTOR	PIT 1 PLANT FEED	PIT 2 PLANT FEED	PIT 3 PLANT FEED	ESTIMATED PRODUCT QUALITY YIELD%	PIT 1 CLEAN COAL RESERVES	PIT 2 CLEAN COAL RESERVES	PIT 3 CLEAN COAL RESERVES
			L.O.	L.U.	L.O.	L.U.	L.O.	L.U.	W	R.C.R.O.	R.C.R.U.	R.C.R.O.	R.C.R.U.	R.C.R.O.	R.C.R.U.	M.F.	P.F.	P.F.	P.F.		C.C.R.	C.C.R.	C.C.R.

QUINTETTE COAL LIMITED

PREPARED BY:
DENISON COAL LIMITED
CALGARY ALBERTA

PR-Quintette 76(2)B.

WINDY

CROSS SECTION W7612

DRAWN BY	E. Toth	DATE: SEPT. '76	SCALE 1:2500
APPROVED BY:		DRAWING NO:	QNTT 76-0676-R01

SEAM	THICKNESS OF MINING SECTION	WT'D AVG. Sp. G. OF MINING SECT.	PIT 1 SEAM LENGTH		PIT 2 SEAM LENGTH		PIT 3 SEAM LENGTH		SECTION WIDTH	PIT 1 RAW COAL RESERVES		PIT 2 RAW COAL RESERVES		PIT 3 RAW COAL RESERVES		MINING FACTOR	PIT 1 PLANT FEED	PIT 2 PLANT FEED	PIT 3 PLANT FEED	ESTIMATED PRODUCT QUALITY YIELD%	PIT 1 CLEAN COAL RESERVES	PIT 2 CLEAN COAL RESERVES	PIT 3 CLEAN COAL RESERVES
			OXIDIZED	UNOXIDIZED	OXIDIZED	UNOXIDIZED	OXIDIZED	UNOXIDIZED		OXIDIZED	UNOXIDIZED	OXIDIZED	UNOXIDIZED	OXIDIZED	UNOXIDIZED								
			L.O.	L.U.	L.O.	L.U.	L.O.	L.U.	W	R.C.R.O.	R.C.R.U.	R.C.R.O.	R.C.R.U.	R.C.R.O.	R.C.R.U.	M.F.	P.F.	P.F.	P.F.		C.C.R.	C.C.R.	C.C.R.

QUINTETTE COAL LIMITED

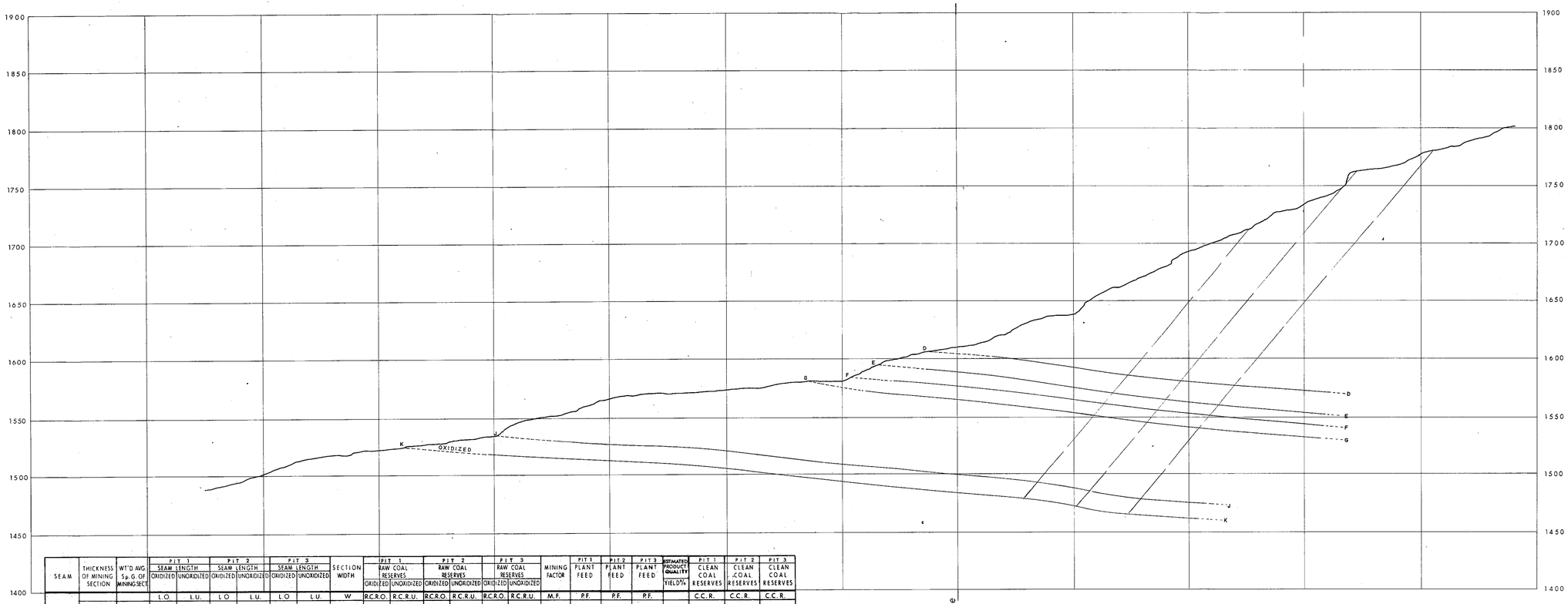
PREPARED BY:
DENISON COAL LIMITED
CALGARY ALBERTA

PR-Quintette-76(2)B

WINDY

CROSS SECTION W76 13

DRAWN BY: E. Toth	DATE: SEPT. '76	SCALE: 1:2500
APPROVED BY:	DRAWING NO: QNTT 76-0676-R01	



SEAM	THICKNESS OF MINING SECTION	WT'D AVG. Sp. G. OF MINING SECT.	PIT 1 SEAM LENGTH OXIDIZED	PIT 1 SEAM LENGTH UNOXIDIZED	PIT 2 SEAM LENGTH OXIDIZED	PIT 2 SEAM LENGTH UNOXIDIZED	PIT 3 SEAM LENGTH OXIDIZED	PIT 3 SEAM LENGTH UNOXIDIZED	SECTION WIDTH	PIT 1 RAW COAL RESERVES OXIDIZED	PIT 1 RAW COAL RESERVES UNOXIDIZED	PIT 2 RAW COAL RESERVES OXIDIZED	PIT 2 RAW COAL RESERVES UNOXIDIZED	PIT 3 RAW COAL RESERVES OXIDIZED	PIT 3 RAW COAL RESERVES UNOXIDIZED	MINING FACTOR	PIT 1 PLANT FEED	PIT 2 PLANT FEED	PIT 3 PLANT FEED	ESTIMATED PRODUCT QUALITY YIELD%	PIT 1 CLEAN COAL RESERVES	PIT 2 CLEAN COAL RESERVES	PIT 3 CLEAN COAL RESERVES
			L.O.	L.U.	L.O.	L.U.	L.O.	L.U.	W	R.C.R.O.	R.C.R.U.	R.C.R.O.	R.C.R.U.	R.C.R.O.	R.C.R.U.	M.F.	P.F.	P.F.	P.F.		C.C.R.	C.C.R.	C.C.R.

QUINTETTE COAL LIMITED

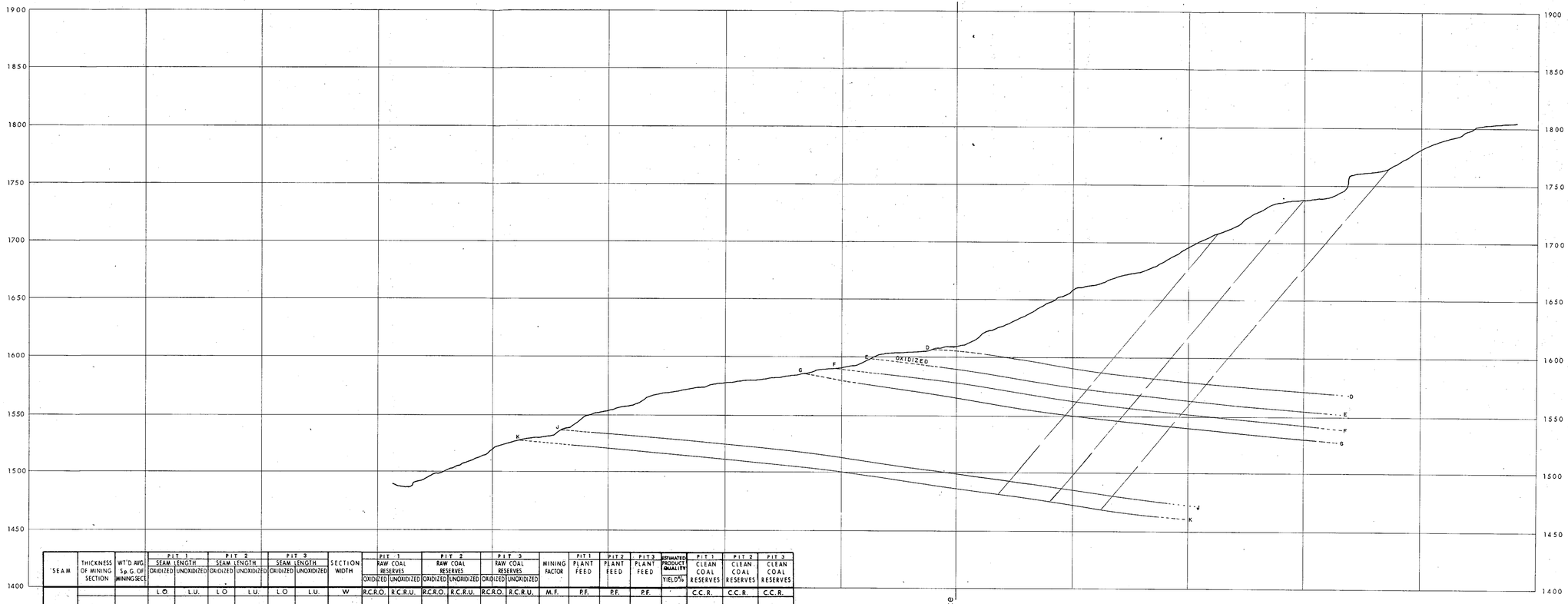
PREPARED BY:
DENISON COAL LIMITED
CALGARY ALBERTA

PR-Quintette 76(2)D.

WINDY

CROSS SECTION W76 14

DRAWN BY: E. Toth	DATE: SEPT. '76	SCALE: 1:2500
APPROVED BY:	DRAWING NO: QNTT 76-0676-R01	



SEAM	THICKNESS OF MINING SECTION	WT'D AVG. Sp. G. OF MINING SECT.	PIT 1 SEAM LENGTH OXIDIZED	PIT 1 SEAM LENGTH UNOXIDIZED	PIT 2 SEAM LENGTH OXIDIZED	PIT 2 SEAM LENGTH UNOXIDIZED	PIT 3 SEAM LENGTH OXIDIZED	PIT 3 SEAM LENGTH UNOXIDIZED	SECTION WIDTH	PIT 1 RAW COAL RESERVES OXIDIZED	PIT 1 RAW COAL RESERVES UNOXIDIZED	PIT 2 RAW COAL RESERVES OXIDIZED	PIT 2 RAW COAL RESERVES UNOXIDIZED	PIT 3 RAW COAL RESERVES OXIDIZED	PIT 3 RAW COAL RESERVES UNOXIDIZED	MINING FACTOR	PIT 1 PLANT FEED	PIT 2 PLANT FEED	PIT 3 PLANT FEED	ESTIMATED PRODUCT QUALITY YIELD%	PIT 1 CLEAN COAL RESERVES	PIT 2 CLEAN COAL RESERVES	PIT 3 CLEAN COAL RESERVES
			L.O.	L.U.	L.O.	L.U.	L.O.	L.U.	W.	R.C.R.O.	R.C.R.U.	R.C.R.O.	R.C.R.U.	R.C.R.O.	R.C.R.U.	M.F.	P.F.	P.F.	P.F.		C.C.R.	C.C.R.	C.C.R.

QUINTETTE COAL LIMITED

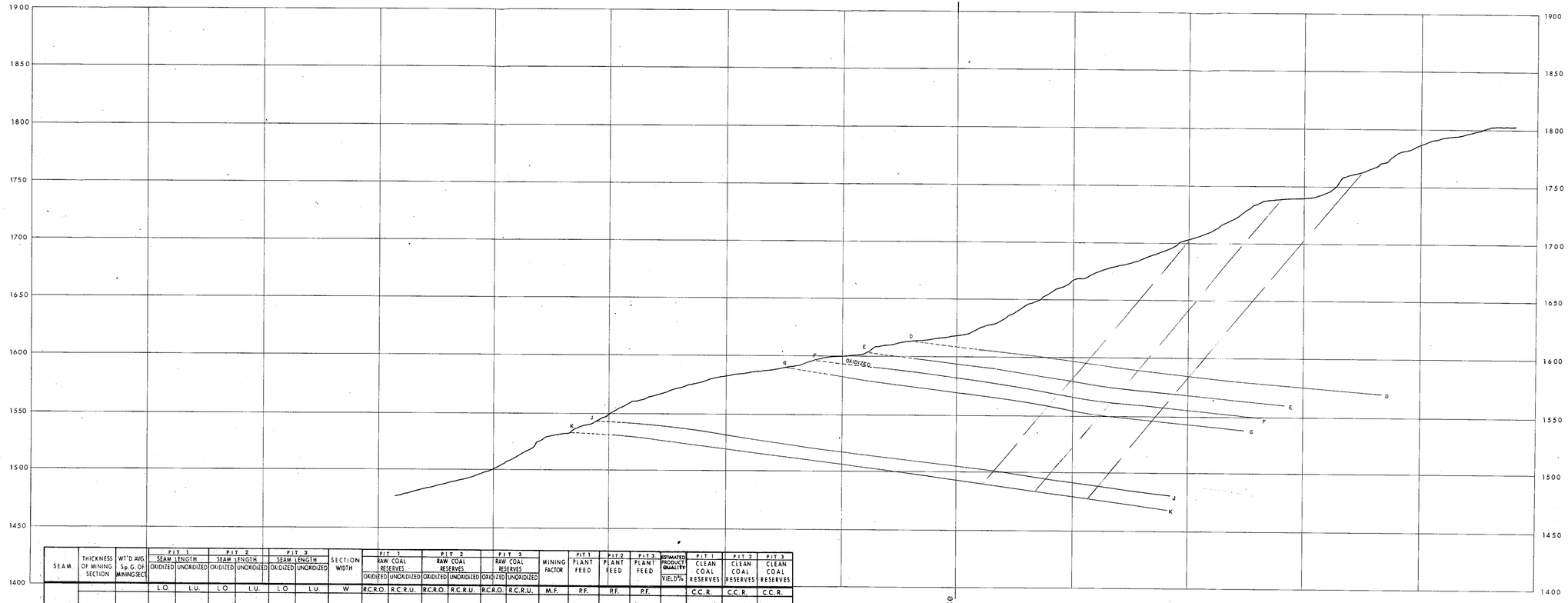
PREPARED BY:
DENISON COAL LIMITED
CALGARY ALBERTA

PR Quintette 76(2) B.

WINDY

CROSS SECTION W76 15

DRAWN BY: E. Toth	DATE: SEPT. '76	SCALE: 1:2500
APPROVED BY:	DRAWING NO: QNTT 76-0676-R01	



SEAM	THICKNESS OF MINING SECTION	WT'D AVG Sp. G. OF MINING SECT.	PIT 1 SEAM LENGTH		PIT 2 SEAM LENGTH		PIT 3 SEAM LENGTH		SECTION WIDTH	PIT 1 RAW COAL RESERVES		PIT 2 RAW COAL RESERVES		PIT 3 RAW COAL RESERVES		MINING FACTOR	PIT 1 PLANT FEED	PIT 2 PLANT FEED	PIT 3 PLANT FEED	ESTIMATED PRODUCT QUALITY	PIT 1 CLEAN COAL RESERVES	PIT 2 CLEAN COAL RESERVES	PIT 3 CLEAN COAL RESERVES
			OXIDIZED	UNOXIDIZED	OXIDIZED	UNOXIDIZED	OXIDIZED	UNOXIDIZED		OXIDIZED	UNOXIDIZED	OXIDIZED	UNOXIDIZED	OXIDIZED	UNOXIDIZED					YIELD%			
			L.O.	L.U.	L.O.	L.U.	L.O.	L.U.	W	R.C.R.O.	R.C.R.U.	R.C.R.O.	R.C.R.U.	R.C.R.O.	R.C.R.U.	M.F.	P.F.	P.F.	P.F.		C.C.R.	C.C.R.	C.C.R.

QUINTETTE COAL LIMITED

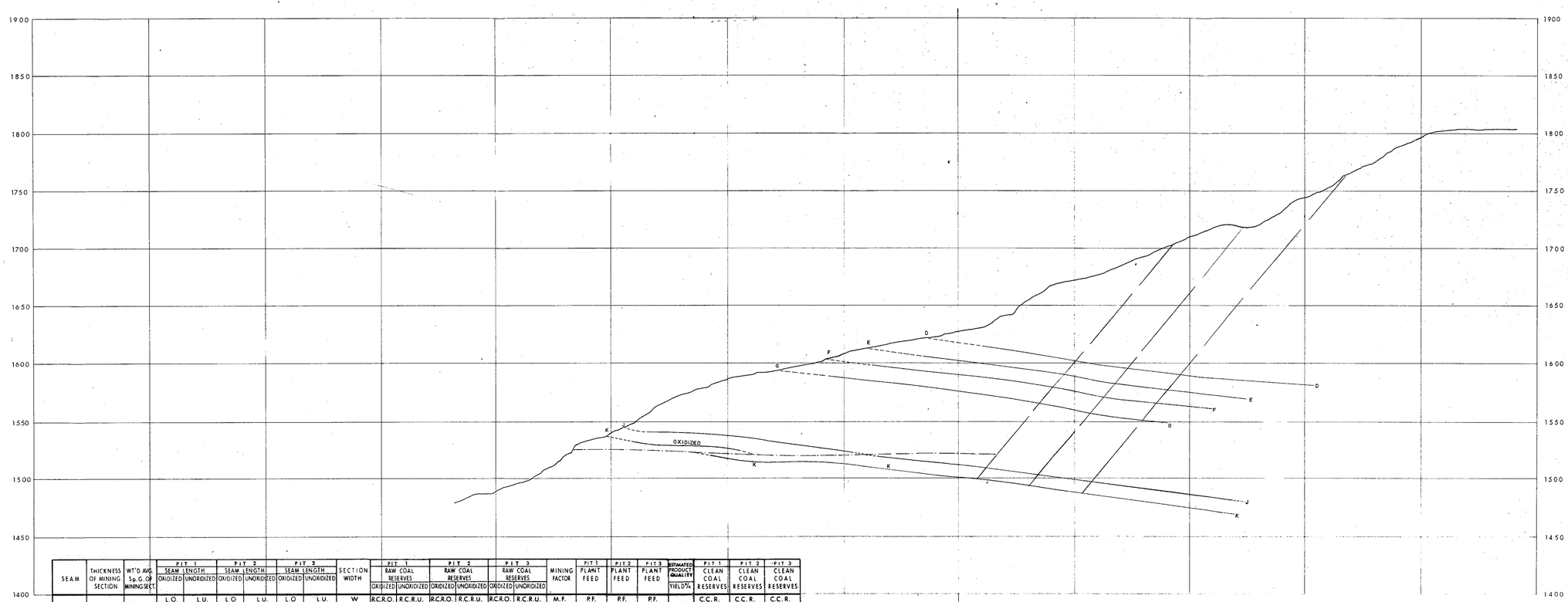
PREPARED BY:
DENISON COAL LIMITED
CALGARY ALBERTA

PR-Quintette 76(2)B.

WINDY

CROSS SECTION W76 16

DRAWN BY: E. Loth	DATE: SEPT. '76	SCALE 1:2500
APPROVED BY:	DRAWING NO: QNTT 76-0676-R01	



SEAM	THICKNESS OF MINING SECTION	WT'D AVG. Sp. G. OF MINING SECT.	PIT 1 SEAM LENGTH OXIDIZED	PIT 1 SEAM LENGTH UNOXIDIZED	PIT 2 SEAM LENGTH OXIDIZED	PIT 2 SEAM LENGTH UNOXIDIZED	PIT 3 SEAM LENGTH OXIDIZED	PIT 3 SEAM LENGTH UNOXIDIZED	SECTION WIDTH	PIT 1 RAW COAL RESERVES OXIDIZED	PIT 1 RAW COAL RESERVES UNOXIDIZED	PIT 2 RAW COAL RESERVES OXIDIZED	PIT 2 RAW COAL RESERVES UNOXIDIZED	PIT 3 RAW COAL RESERVES OXIDIZED	PIT 3 RAW COAL RESERVES UNOXIDIZED	MINING FACTOR	PIT 1 PLANT FEED	PIT 2 PLANT FEED	PIT 3 PLANT FEED	ESTIMATED PRODUCT QUALITY YIELD%	PIT 1 CLEAN COAL RESERVES	PIT 2 CLEAN COAL RESERVES	PIT 3 CLEAN COAL RESERVES
			L.O.	L.U.	L.O.	L.U.	L.O.	L.U.	W	R.C.R.O.	R.C.R.U.	R.C.R.O.	R.C.R.U.	R.C.R.O.	R.C.R.U.	M.F.	P.F.	P.F.	P.F.		C.C.R.	C.C.R.	C.C.R.

QUINTETTE COAL LIMITED

PREPARED BY:
DENISON COAL LIMITED
CALGARY ALBERTA

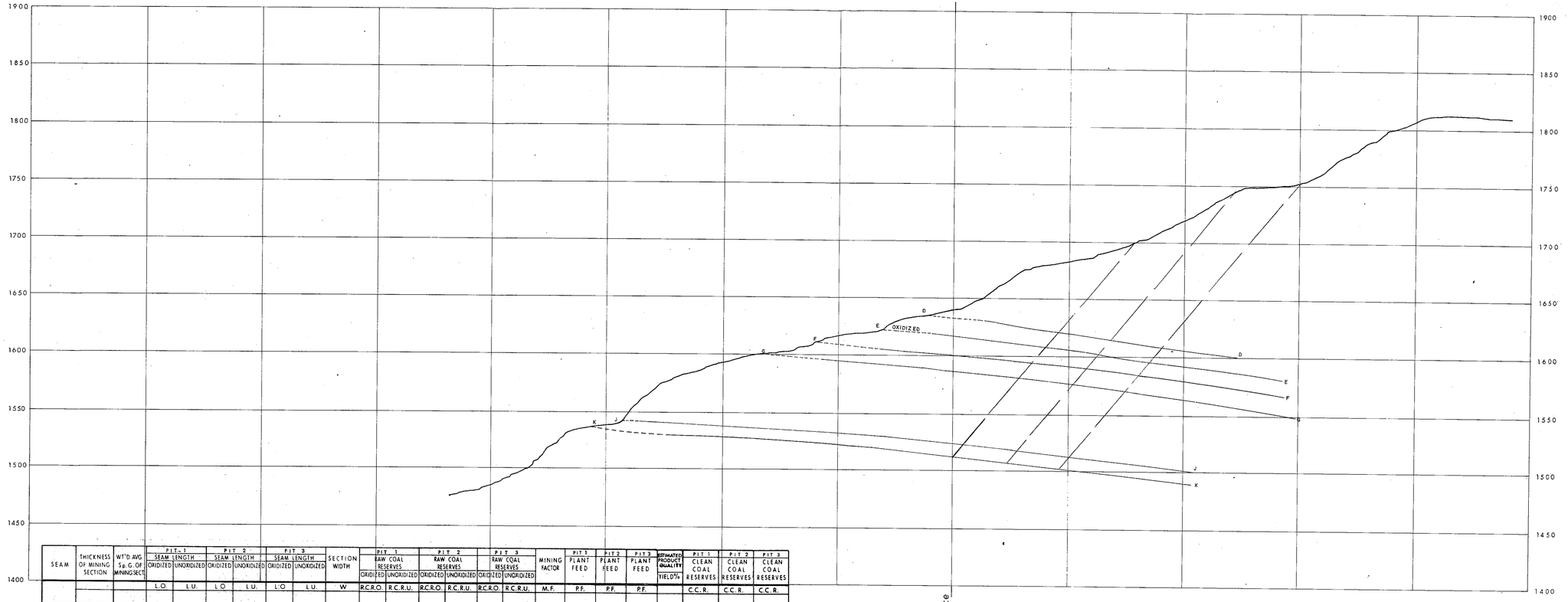
PR-Quintette 76(2)B.

WINDY

CROSS SECTION W76 17

DRAWN BY	E. Toth	DATE	SEPT '76
APPROVED BY		DRAWING NO	QNTT 76-0676-R01

SCALE 1:2500



SEAM	THICKNESS OF MINING SECTION	WT'D AVG Sp. G. OF MINING SECT.	PIT 1 SEAM LENGTH OXIDIZED	PIT 1 SEAM LENGTH UNOXIDIZED	PIT 2 SEAM LENGTH OXIDIZED	PIT 2 SEAM LENGTH UNOXIDIZED	PIT 3 SEAM LENGTH OXIDIZED	PIT 3 SEAM LENGTH UNOXIDIZED	SECTION WIDTH	PIT 1 RAW COAL RESERVES OXIDIZED	PIT 1 RAW COAL RESERVES UNOXIDIZED	PIT 2 RAW COAL RESERVES OXIDIZED	PIT 2 RAW COAL RESERVES UNOXIDIZED	PIT 3 RAW COAL RESERVES OXIDIZED	PIT 3 RAW COAL RESERVES UNOXIDIZED	MINING FACTOR	PIT 1 PLANT FEED	PIT 2 PLANT FEED	PIT 3 PLANT FEED	ESTIMATED PRODUCT QUALITY YIELD%	PIT 1 CLEAN COAL RESERVES	PIT 2 CLEAN COAL RESERVES	PIT 3 CLEAN COAL RESERVES
			L.O.	L.U.	L.O.	L.U.	L.O.	L.U.	W	R.C.R.O.	R.C.R.U.	R.C.R.O.	R.C.R.U.	R.C.R.O.	R.C.R.U.	M.F.	P.F.	P.F.	P.F.		C.C.R.	C.C.R.	C.C.R.

QUINTETTE COAL LIMITED

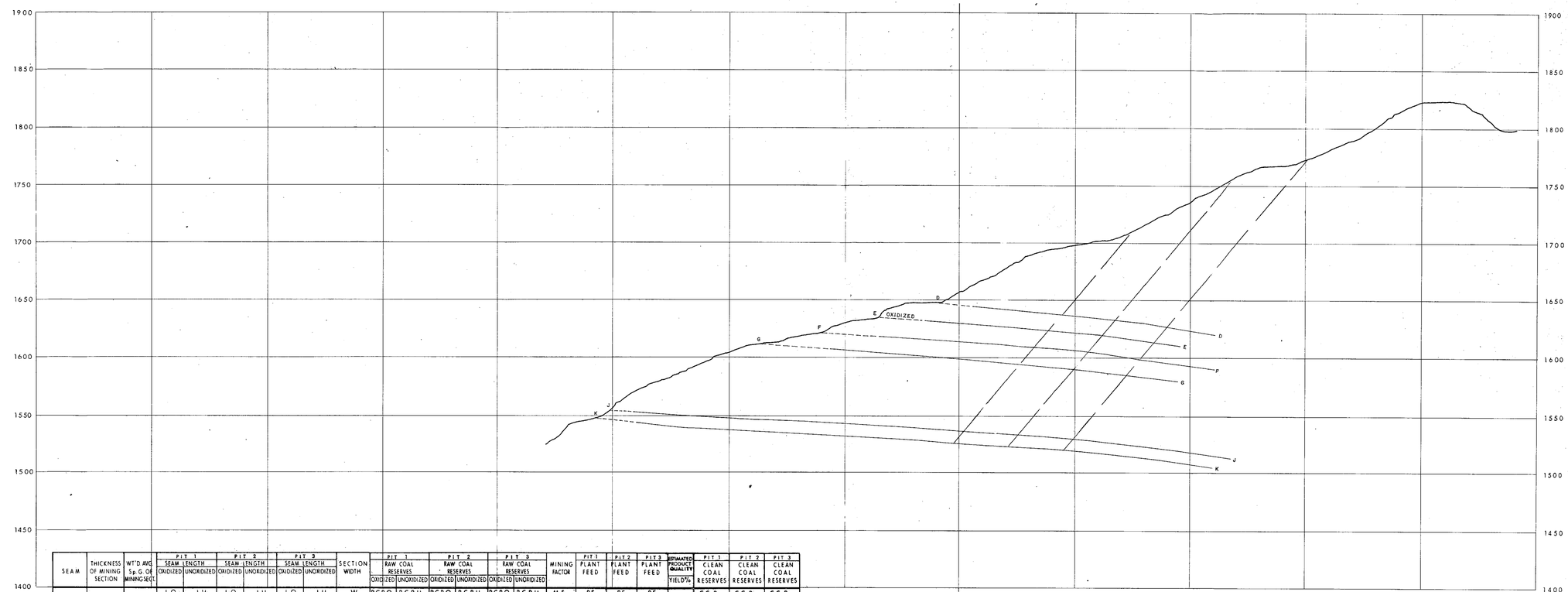
PREPARED BY:
DENISON COAL LIMITED
CALGARY ALBERTA

PR-Quintette 76(2) B

WINDY

CROSS SECTION W7618

DRAWN BY: E. Toth	DATE: SEPT. '76	SCALE: 1:2500
APPROVED BY:	DRAWING NO: QNTT 76-0676-R01	



SEAM	THICKNESS OF MINING SECTION	WT'D. AVG. Sp. G. OF MINING SECT.	PIT 1 SEAM LENGTH OXIDIZED	PIT 1 SEAM LENGTH UNOXIDIZED	PIT 2 SEAM LENGTH OXIDIZED	PIT 2 SEAM LENGTH UNOXIDIZED	PIT 3 SEAM LENGTH OXIDIZED	PIT 3 SEAM LENGTH UNOXIDIZED	SECTION WIDTH	PIT 1 RAW COAL RESERVES OXIDIZED	PIT 1 RAW COAL RESERVES UNOXIDIZED	PIT 2 RAW COAL RESERVES OXIDIZED	PIT 2 RAW COAL RESERVES UNOXIDIZED	PIT 3 RAW COAL RESERVES OXIDIZED	PIT 3 RAW COAL RESERVES UNOXIDIZED	MINING FACTOR	PIT 1 PLANT FEED	PIT 2 PLANT FEED	PIT 3 PLANT FEED	ESTIMATED PRODUCT QUALITY YIELD%	PIT 1 CLEAN COAL RESERVES	PIT 2 CLEAN COAL RESERVES	PIT 3 CLEAN COAL RESERVES
			L.O.	L.U.	L.O.	L.U.	L.O.	L.U.	W	R.C.R.O.	R.C.R.U.	R.C.R.O.	R.C.R.U.	R.C.R.O.	R.C.R.U.	M.F.	P.F.	P.F.	P.F.		C.C.R.	C.C.R.	C.C.R.

QUINTETTE COAL LIMITED

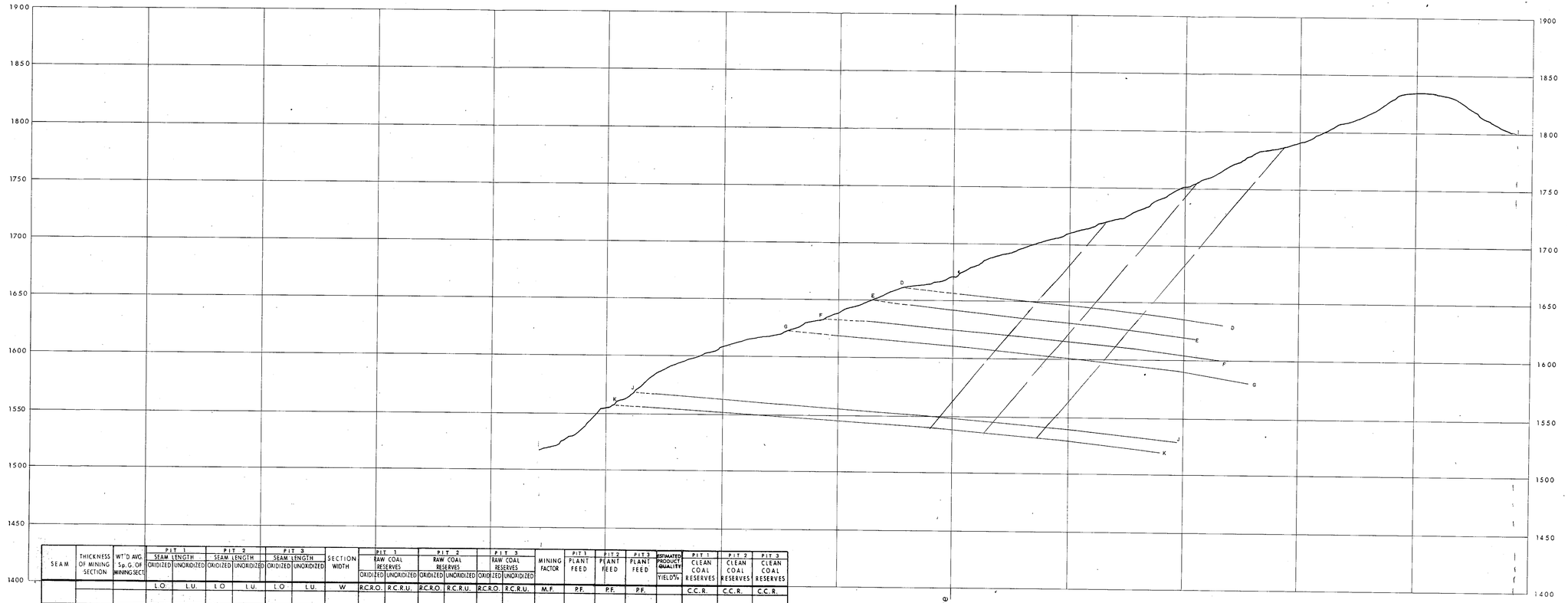
PREPARED BY:
DENISON COAL LIMITED
CALGARY ALBERTA

PR-Quintette 76(2)B

WINDY

CROSS SECTION W76 19

DRAWN BY E. Toth	DATE: SEPT. '76	SCALE 1:2500
APPROVED BY	DRAWING NO: QNTT 76-0676-R01	



SEAM	THICKNESS OF MINING SECTION	WT'D AVG. Sp. G. OF MINING SECT.	PIT 1 SEAM LENGTH OXIDIZED	PIT 1 SEAM LENGTH UNOXIDIZED	PIT 2 SEAM LENGTH OXIDIZED	PIT 2 SEAM LENGTH UNOXIDIZED	PIT 3 SEAM LENGTH OXIDIZED	PIT 3 SEAM LENGTH UNOXIDIZED	SECTION WIDTH	PIT 1 RAW COAL RESERVES OXIDIZED	PIT 1 RAW COAL RESERVES UNOXIDIZED	PIT 2 RAW COAL RESERVES OXIDIZED	PIT 2 RAW COAL RESERVES UNOXIDIZED	PIT 3 RAW COAL RESERVES OXIDIZED	PIT 3 RAW COAL RESERVES UNOXIDIZED	MINING FACTOR	PIT 1 PLANT FEED	PIT 2 PLANT FEED	PIT 3 PLANT FEED	ESTIMATED PRODUCT QUALITY YIELD%	PIT 1 CLEAN COAL RESERVES	PIT 2 CLEAN COAL RESERVES	PIT 3 CLEAN COAL RESERVES
			L.O.	L.U.	L.O.	L.U.	L.O.	L.U.	W	R.C.R.O.	R.C.R.U.	R.C.R.O.	R.C.R.U.	R.C.R.O.	R.C.R.U.	M.F.	P.F.	P.F.	P.F.		C.C.R.	C.C.R.	C.C.R.

QUINTETTE COAL LIMITED

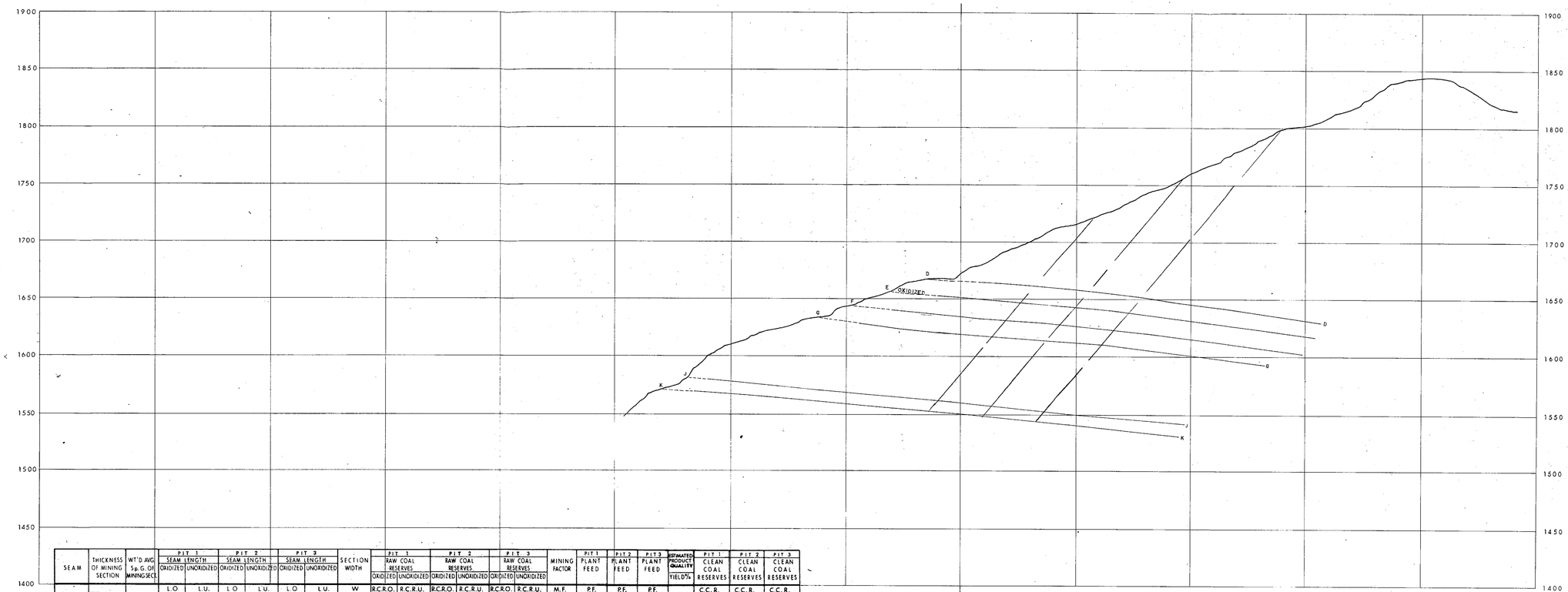
PREPARED BY:
DENISON COAL LIMITED
CALGARY ALBERTA

PR-Quintette 76(2) B

WINDY

CROSS SECTION · W76 20

DRAWN BY E. Toth	DATE SEPT. '76	SCALE 1:2500
APPROVED BY:	DRAWING NO. QNTT 76-0676-R01	



SEAM	THICKNESS OF MINING SECTION	WT'D AVG. Sp. G. OF MINING SECT.	PIT 1 SEAM LENGTH OXIDIZED	PIT 1 SEAM LENGTH UNOXIDIZED	PIT 2 SEAM LENGTH OXIDIZED	PIT 2 SEAM LENGTH UNOXIDIZED	PIT 3 SEAM LENGTH OXIDIZED	PIT 3 SEAM LENGTH UNOXIDIZED	SECTION WIDTH	PIT 1 RAW COAL RESERVES OXIDIZED	PIT 1 RAW COAL RESERVES UNOXIDIZED	PIT 2 RAW COAL RESERVES OXIDIZED	PIT 2 RAW COAL RESERVES UNOXIDIZED	PIT 3 RAW COAL RESERVES OXIDIZED	PIT 3 RAW COAL RESERVES UNOXIDIZED	MINING FACTOR	PIT 1 PLANT FEED	PIT 2 PLANT FEED	PIT 3 PLANT FEED	ESTIMATED PRODUCT QUALITY YIELD%	PIT 1 CLEAN COAL RESERVES	PIT 2 CLEAN COAL RESERVES	PIT 3 CLEAN COAL RESERVES
			L.O.	L.U.	L.O.	L.U.	L.O.	L.U.	W	R.C.R.O.	R.C.R.U.	R.C.R.O.	R.C.R.U.	R.C.R.O.	R.C.R.U.	M.F.	P.F.	P.F.	P.F.		C.C.R.	C.C.R.	C.C.R.

QUINTETTE COAL LIMITED

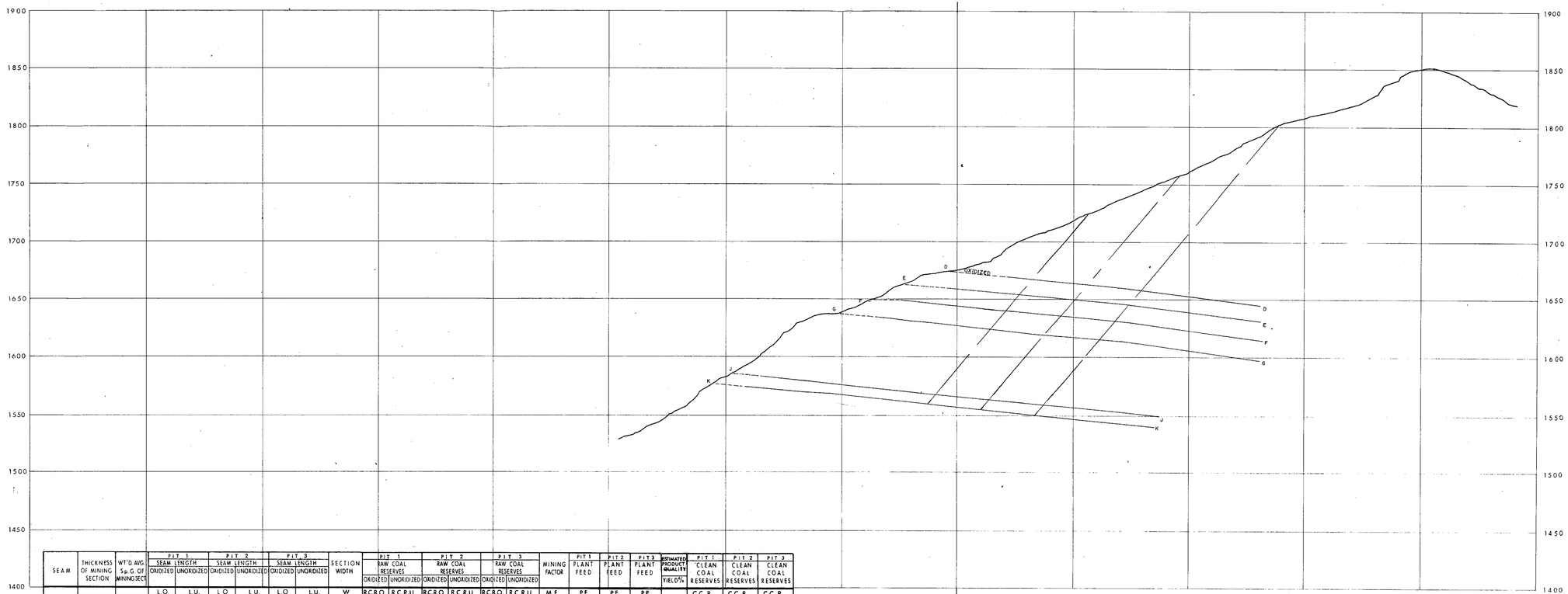
PREPARED BY:
DENISON COAL LIMITED
CALGARY ALBERTA

Re-Quintette 76(2)D.

WINDY

CROSS SECTION W76.21

DRAWN BY: E. Toth	DATE: SEPT. '76	SCALE: 1:2500
APPROVED BY:	DRAWING NO: QNTT 76-0676-R01	



SEAM	THICKNESS OF MINING SECTION	WT'D AVG. Sp. G. OF MININGSECT	PIT 1 SEAM LENGTH OXIDIZED	PIT 1 SEAM LENGTH UNOXIDIZED	PIT 2 SEAM LENGTH OXIDIZED	PIT 2 SEAM LENGTH UNOXIDIZED	PIT 3 SEAM LENGTH OXIDIZED	PIT 3 SEAM LENGTH UNOXIDIZED	SECTION WIDTH	PIT 1 RAW COAL RESERVES OXIDIZED	PIT 1 RAW COAL RESERVES UNOXIDIZED	PIT 2 RAW COAL RESERVES OXIDIZED	PIT 2 RAW COAL RESERVES UNOXIDIZED	PIT 3 RAW COAL RESERVES OXIDIZED	PIT 3 RAW COAL RESERVES UNOXIDIZED	MINING FACTOR	PIT 1 PLANT FEED	PIT 2 PLANT FEED	PIT 3 PLANT FEED	ESTIMATED PRODUCT QUALITY YIELD%	PIT 1 CLEAN COAL RESERVES	PIT 2 CLEAN COAL RESERVES	PIT 3 CLEAN COAL RESERVES
			L.O.	L.U.	L.O	L.U.	L.O	L.U.	W	R.C.R.O.	R.C.R.U.	R.C.R.O.	R.C.R.U.	R.C.R.O.	R.C.R.U.	M.F.	P.F.	P.F.	P.F.		C.C.R.	C.C.R.	C.C.R.

QUINTETTE COAL LIMITED

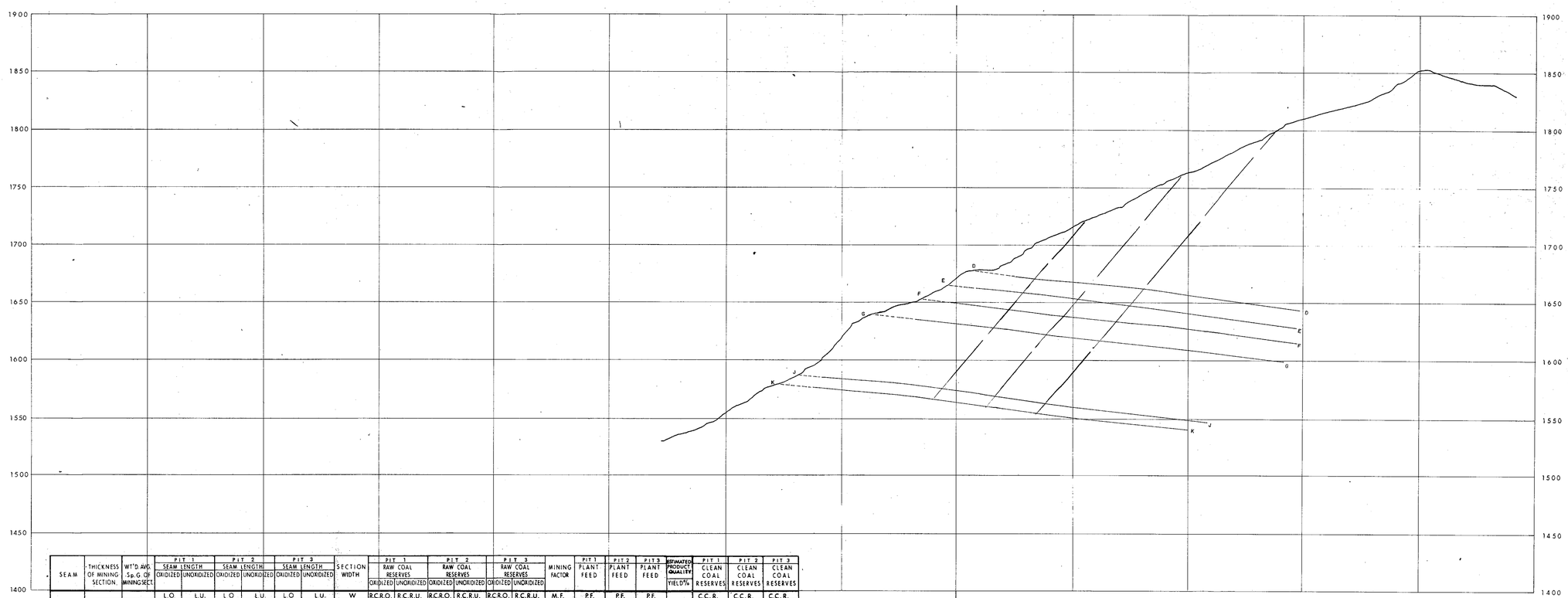
PREPARED BY:
DENISON COAL LIMITED
CALGARY ALBERTA

PR-Quintette 76(2)B

WINDY

CROSS SECTION W76 22

DRAWN BY	E. Toth	DATE	SEPT. '76
APPROVED BY		SCALE	1:2500
		DRAWING NO	QNTT 76-0676-R01



SEAM	THICKNESS OF MINING SECTION	WT'D. AVG. Sp. G. OF MINING SECT.	PIT 1 SEAM LENGTH OXIDIZED	PIT 1 SEAM LENGTH UNOXIDIZED	PIT 2 SEAM LENGTH OXIDIZED	PIT 2 SEAM LENGTH UNOXIDIZED	PIT 3 SEAM LENGTH OXIDIZED	PIT 3 SEAM LENGTH UNOXIDIZED	SECTION WIDTH	PIT 1 RAW COAL RESERVES OXIDIZED	PIT 1 RAW COAL RESERVES UNOXIDIZED	PIT 2 RAW COAL RESERVES OXIDIZED	PIT 2 RAW COAL RESERVES UNOXIDIZED	PIT 3 RAW COAL RESERVES OXIDIZED	PIT 3 RAW COAL RESERVES UNOXIDIZED	MINING FACTOR	PIT 1 PLANT FEED	PIT 2 PLANT FEED	PIT 3 PLANT FEED	ESTIMATED PRODUCT QUALITY YIELD%	PIT 1 CLEAN COAL RESERVES	PIT 2 CLEAN COAL RESERVES	PIT 3 CLEAN COAL RESERVES
			L.O.	L.U.	L.O.	L.U.	L.O.	L.U.	W	R.C.R.O.	R.C.R.U.	R.C.R.O.	R.C.R.U.	R.C.R.O.	R.C.R.U.	M.F.	P.F.	P.F.	P.F.		C.C.R.	C.C.R.	C.C.R.

QUINTETTE COAL LIMITED

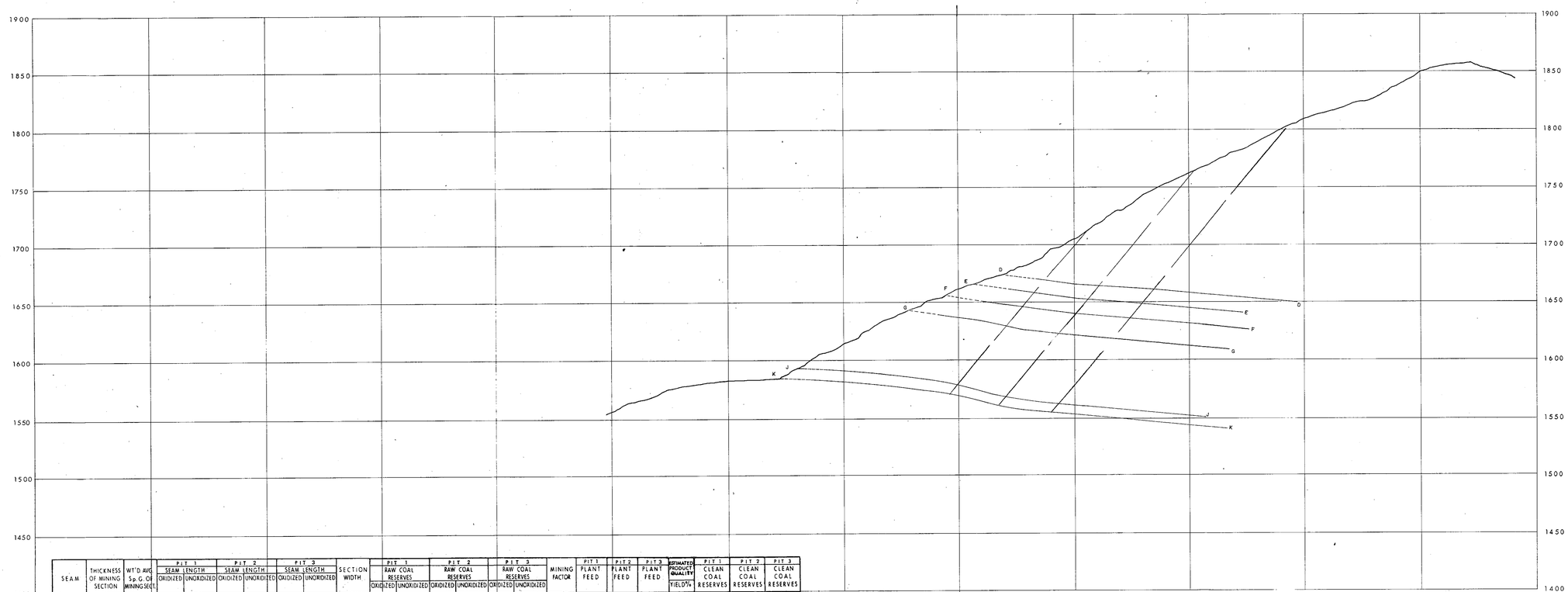
PREPARED BY:
DENISON COAL LIMITED
CALGARY ALBERTA

PR-Quintette 76(2)8

WINDY

CROSS SECTION W7623

DRAWN BY E. Loth	DATE: SEPT. '76	SCALE: 1:2500
APPROVED BY	DRAWING NO: QNTT 76-0676-R01	



SEAM	THICKNESS OF MINING SECTION	WT'D AVG Sp. G. OF MINING SECT.	PIT 1 SEAM LENGTH OXIDIZED	PIT 1 SEAM LENGTH UNOXIDIZED	PIT 2 SEAM LENGTH OXIDIZED	PIT 2 SEAM LENGTH UNOXIDIZED	PIT 3 SEAM LENGTH OXIDIZED	PIT 3 SEAM LENGTH UNOXIDIZED	SECTION WIDTH	PIT 1 RAW COAL RESERVES OXIDIZED	PIT 1 RAW COAL RESERVES UNOXIDIZED	PIT 2 RAW COAL RESERVES OXIDIZED	PIT 2 RAW COAL RESERVES UNOXIDIZED	PIT 3 RAW COAL RESERVES OXIDIZED	PIT 3 RAW COAL RESERVES UNOXIDIZED	MINING FACTOR	PIT 1 PLANT FEED	PIT 2 PLANT FEED	PIT 3 PLANT FEED	ESTIMATED PRODUCT QUALITY	PIT 1 CLEAN COAL RESERVES	PIT 2 CLEAN COAL RESERVES	PIT 3 CLEAN COAL RESERVES
			L.O	L.U.	L.O	L.U.	L.O	L.U.	W	R.C.R.O.	R.C.R.U.	R.C.R.O.	R.C.R.U.	R.C.R.O.	R.C.R.U.	M.F.	P.F.	P.F.	P.F.	YIELD%	C.C.R.	C.C.R.	C.C.R.

Reference line

Metres above sea level

QUINTETTE COAL LIMITED

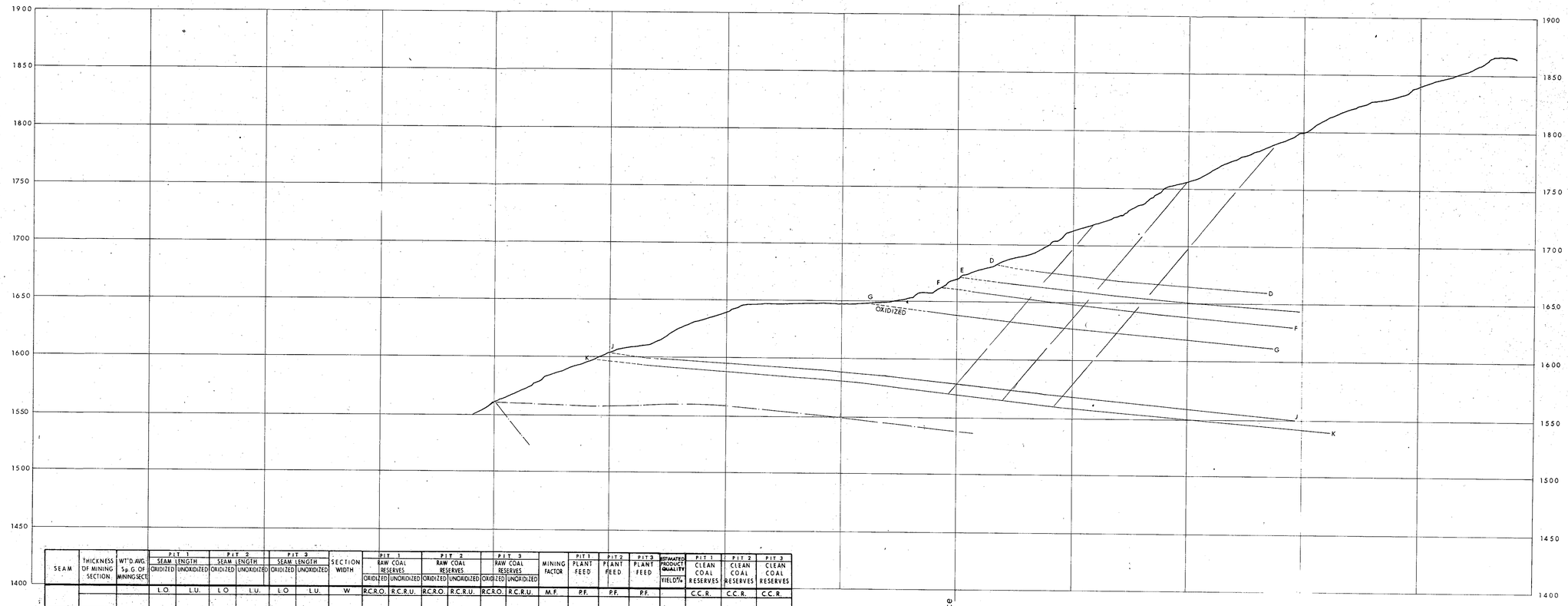
PREPARED BY:
DENISON COAL LIMITED
CALGARY ALBERTA

PR-Quintette 76(2)B

WINDY

CROSS SECTION W76 24

DRAWN BY: E. Toth	DATE: SEPT. '76
APPROVED BY:	DRAWING NO: QNTT 76-0676-R01
	SCALE: 1:2500



SEAM	THICKNESS OF MINING SECTION	WT'D AVG Sp. G. OF MINING SECT.	PIT 1 SEAM LENGTH OXIDIZED	PIT 1 SEAM LENGTH UNOXIDIZED	PIT 2 SEAM LENGTH OXIDIZED	PIT 2 SEAM LENGTH UNOXIDIZED	PIT 3 SEAM LENGTH OXIDIZED	PIT 3 SEAM LENGTH UNOXIDIZED	SECTION WIDTH	PIT 1 RAW COAL RESERVES OXIDIZED	PIT 1 RAW COAL RESERVES UNOXIDIZED	PIT 2 RAW COAL RESERVES OXIDIZED	PIT 2 RAW COAL RESERVES UNOXIDIZED	PIT 3 RAW COAL RESERVES OXIDIZED	PIT 3 RAW COAL RESERVES UNOXIDIZED	MINING FACTOR	PIT 1 PLANT FEED	PIT 2 PLANT FEED	PIT 3 PLANT FEED	ESTIMATED PRODUCT QUALITY YIELD%	PIT 1 CLEAN COAL RESERVES	PIT 2 CLEAN COAL RESERVES	PIT 3 CLEAN COAL RESERVES
			L.O.	L.U.	L.O.	L.U.	L.O.	L.U.	W	R.C.R.O.	R.C.R.U.	R.C.R.O.	R.C.R.U.	R.C.R.O.	R.C.R.U.	M.F.	P.F.	P.F.	P.F.		C.C.R.	C.C.R.	C.C.R.

QUINTETTE COAL LIMITED

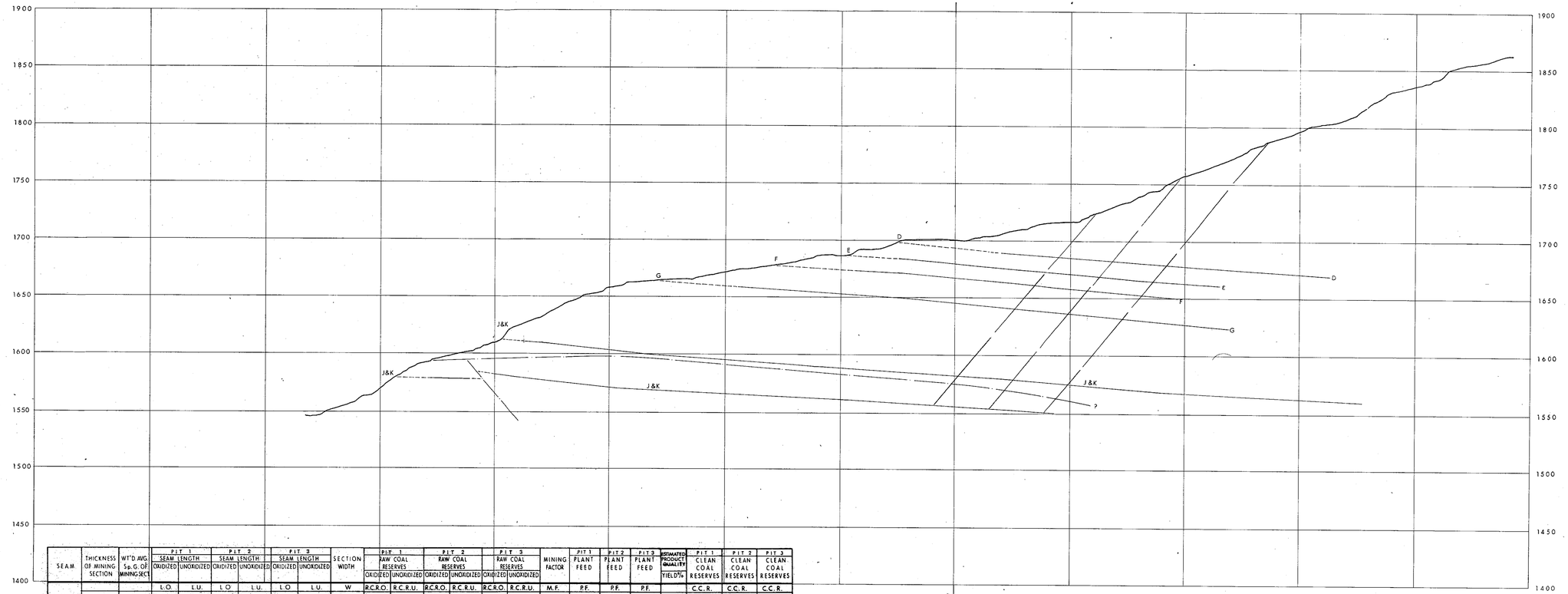
PREPARED BY:
DENISON COAL LIMITED
CALGARY ALBERTA

PR-Quintette 76(2)8

WINDY

CROSS SECTION W76 25

DRAWN BY E. Loth	DATE SEPT. '76	SCALE 1:2500
APPROVED BY	DRAWING NO QNTT 76-0676-R01	



SEAM	THICKNESS OF MINING SECTION	WT'D AVG. Sp. G. OF MINING SECT.	PIT 1 SEAM LENGTH OXIDIZED	PIT 1 SEAM LENGTH UNOXIDIZED	PIT 2 SEAM LENGTH OXIDIZED	PIT 2 SEAM LENGTH UNOXIDIZED	PIT 3 SEAM LENGTH OXIDIZED	PIT 3 SEAM LENGTH UNOXIDIZED	SECTION WIDTH	PIT 1 RAW COAL RESERVES OXIDIZED	PIT 1 RAW COAL RESERVES UNOXIDIZED	PIT 2 RAW COAL RESERVES OXIDIZED	PIT 2 RAW COAL RESERVES UNOXIDIZED	PIT 3 RAW COAL RESERVES OXIDIZED	PIT 3 RAW COAL RESERVES UNOXIDIZED	MINING FACTOR	PIT 1 PLANT FEED	PIT 2 PLANT FEED	PIT 3 PLANT FEED	ESTIMATED PRODUCT QUALITY YIELD%	PIT 1 CLEAN COAL RESERVES	PIT 2 CLEAN COAL RESERVES	PIT 3 CLEAN COAL RESERVES
			L.O.	L.U.	L.O.	L.U.	L.O.	L.U.	W	R.C.R.O.	R.C.R.U.	R.C.R.O.	R.C.R.U.	R.C.R.O.	R.C.R.U.	M.F.	P.F.	P.F.	P.F.		C.C.R.	C.C.R.	C.C.R.

QUINTETTE COAL LIMITED

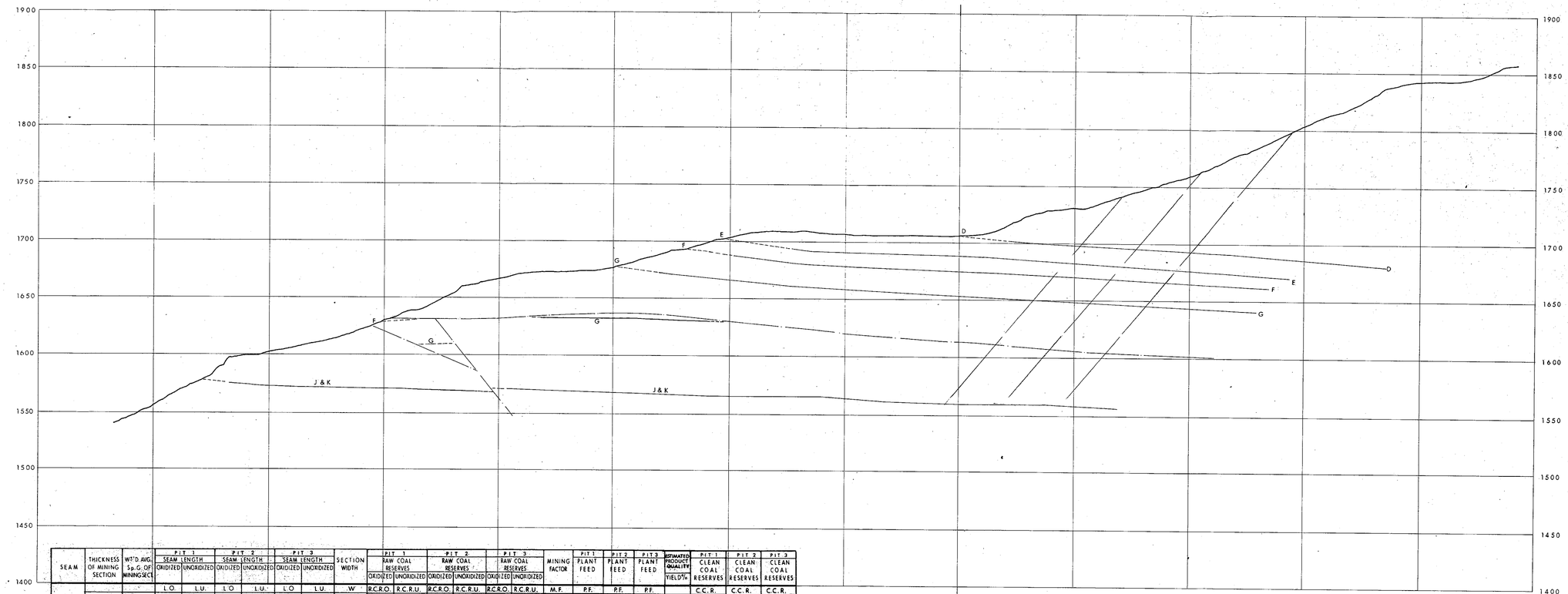
PREPARED BY:
DENISON COAL LIMITED
CALGARY ALBERTA

PR-Quintette 76(2) B

WINDY

CROSS SECTION W76 26

DRAWN BY E. Toth	DATE SEPT. '76	SCALE 1:2500
APPROVED BY:	DRAWING NO: QNTT 76-0676-R01	



SEAM	THICKNESS OF MINING SECTION	WT'D. AVG. Sp. G. OF MINING SECT.	PIT 1 SEAM LENGTH OXIDIZED	PIT 1 SEAM LENGTH UNOXIDIZED	PIT 2 SEAM LENGTH OXIDIZED	PIT 2 SEAM LENGTH UNOXIDIZED	PIT 3 SEAM LENGTH OXIDIZED	PIT 3 SEAM LENGTH UNOXIDIZED	SECTION WIDTH	PIT 1 RAW COAL RESERVES OXIDIZED	PIT 1 RAW COAL RESERVES UNOXIDIZED	PIT 2 RAW COAL RESERVES OXIDIZED	PIT 2 RAW COAL RESERVES UNOXIDIZED	PIT 3 RAW COAL RESERVES OXIDIZED	PIT 3 RAW COAL RESERVES UNOXIDIZED	MINING FACTOR	PIT 1 PLANT FEED	PIT 2 PLANT FEED	PIT 3 PLANT FEED	ESTIMATED PRODUCT QUALITY YIELD%	PIT 1 CLEAN COAL RESERVES	PIT 2 CLEAN COAL RESERVES	PIT 3 CLEAN COAL RESERVES
			L.O.	L.U.	L.O.	L.U.	L.O.	L.U.	W	R.C.R.O.	R.C.R.U.	R.C.R.O.	R.C.R.U.	R.C.R.O.	R.C.R.U.	M.F.	P.F.	P.F.	P.F.		C.C.R.	C.C.R.	C.C.R.

QUINTETTE COAL LIMITED

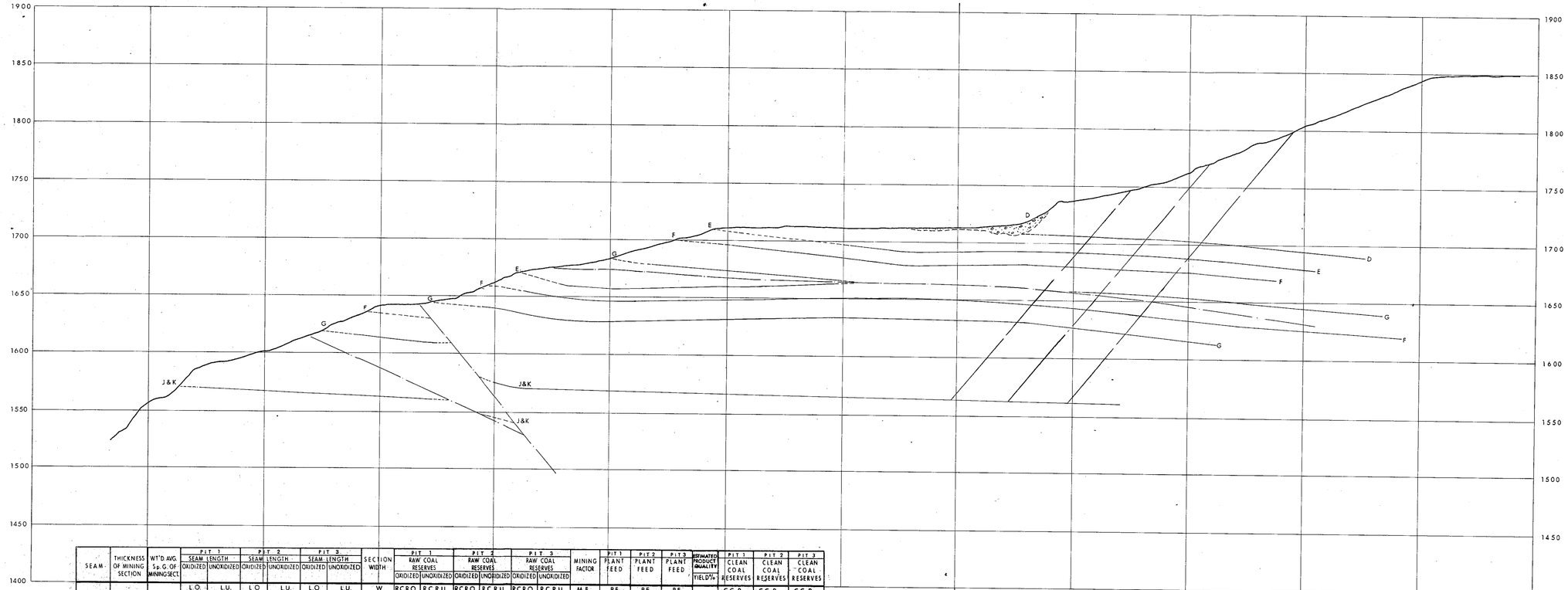
PREPARED BY:
DENISON COAL LIMITED
CALGARY ALBERTA

PR-Quintette 76(2)B

WINDY

CROSS SECTION W76 27

DRAWN BY: E. Toth	DATE: SEPT. '76	SCALE: 1:2500
APPROVED BY:	DRAWING NO: QNTT 76-0676-R01	



SEAM	THICKNESS OF MINING SECTION	WT'D AVG. Sp. G. OF MINING SECT.	PIT 1 SEAM LENGTH OXIDIZED	PIT 1 SEAM LENGTH UNOXIDIZED	PIT 2 SEAM LENGTH OXIDIZED	PIT 2 SEAM LENGTH UNOXIDIZED	PIT 3 SEAM LENGTH OXIDIZED	PIT 3 SEAM LENGTH UNOXIDIZED	SECTION WIDTH	PIT 1 RAW COAL RESERVES OXIDIZED	PIT 1 RAW COAL RESERVES UNOXIDIZED	PIT 2 RAW COAL RESERVES OXIDIZED	PIT 2 RAW COAL RESERVES UNOXIDIZED	PIT 3 RAW COAL RESERVES OXIDIZED	PIT 3 RAW COAL RESERVES UNOXIDIZED	MINING FACTOR	PIT 1 PLANT FEED	PIT 2 PLANT FEED	PIT 3 PLANT FEED	ESTIMATED PRODUCT QUALITY YIELD%	PIT 1 CLEAN COAL RESERVES	PIT 2 CLEAN COAL RESERVES	PIT 3 CLEAN COAL RESERVES
			L.O.	L.U.	L.O	L.U.	L.O	L.U.	W	R.C.R.O.	R.C.R.U.	R.C.R.O.	R.C.R.U.	R.C.R.O.	R.C.R.U.	M.F.	P.F.	P.F.	P.F.		C.C.R.	C.C.R.	C.C.R.

QUINTETTE COAL LIMITED

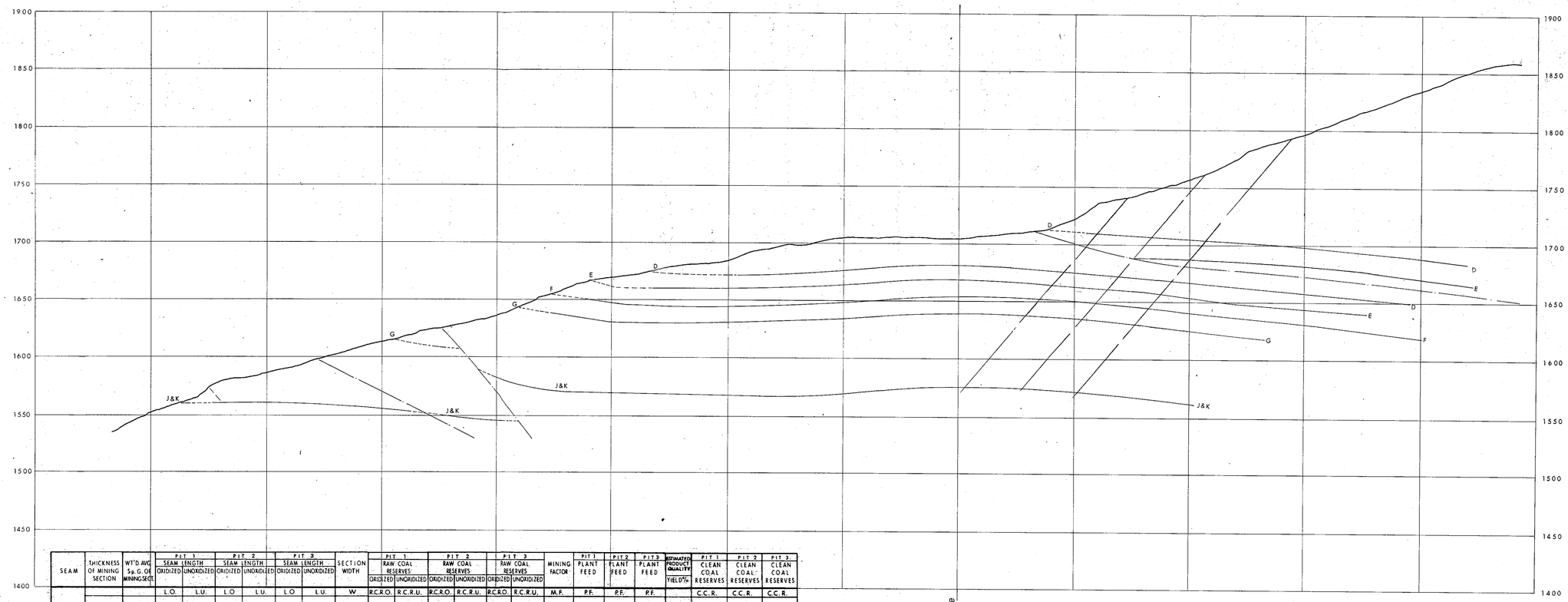
PREPARED BY:
DENISON COAL LIMITED
CALGARY ALBERTA

FR-Quintette 76(2)8

WINDY

CROSS SECTION W7628

DRAWN BY: E. Toth	DATE: SEPT. '76	SCALE: 1:2500
APPROVED BY:	DRAWING NO: QNTT 76-0676-R01	



SEAM	THICKNESS OF MINING SECTION	WT'D AVG Sp. G. OF MINING SECT.	PIT 1 SEAM LENGTH OXIDIZED	PIT 1 SEAM LENGTH UNOXIDIZED	PIT 2 SEAM LENGTH OXIDIZED	PIT 2 SEAM LENGTH UNOXIDIZED	PIT 3 SEAM LENGTH OXIDIZED	PIT 3 SEAM LENGTH UNOXIDIZED	SECTION WIDTH	PIT 1 RAW COAL RESERVES OXIDIZED	PIT 1 RAW COAL RESERVES UNOXIDIZED	PIT 2 RAW COAL RESERVES OXIDIZED	PIT 2 RAW COAL RESERVES UNOXIDIZED	PIT 3 RAW COAL RESERVES OXIDIZED	PIT 3 RAW COAL RESERVES UNOXIDIZED	MINING FACTOR	PIT 1 PLANT FEED	PIT 2 PLANT FEED	PIT 3 PLANT FEED	ESTIMATED PRODUCT QUALITY YIELD %	PIT 1 CLEAN COAL RESERVES	PIT 2 CLEAN COAL RESERVES	PIT 3 CLEAN COAL RESERVES
			L.O.	L.U.	L.O	L.U.	L.O	L.U.	W	R.C.R.O.	R.C.R.U.	R.C.R.O.	R.C.R.U.	R.C.R.O.	R.C.R.U.	M.F.	P.F.	P.F.	P.F.		C.C.R.	C.C.R.	C.C.R.

QUINTETTE COAL LIMITED

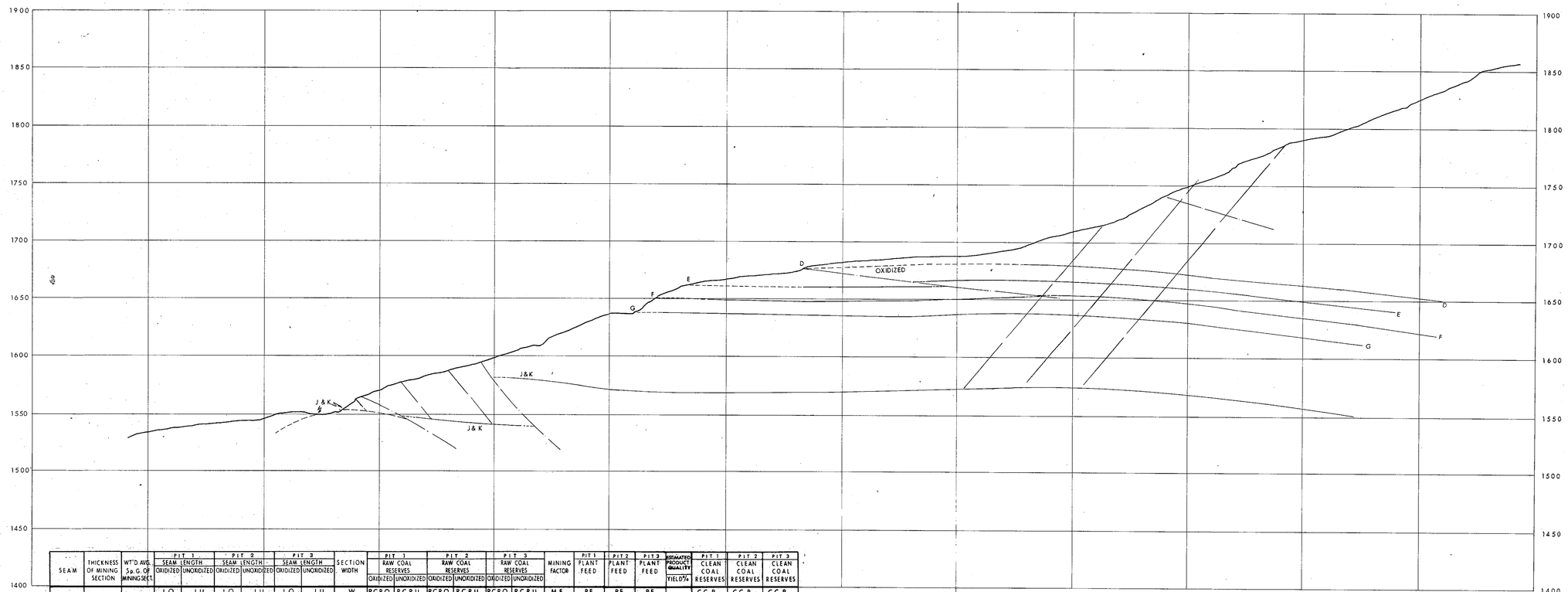
PREPARED BY:
DENISON COAL LIMITED
CALGARY ALBERTA

PR-Quintette 76(2)B

WINDY

CROSS SECTION W7629

DRAWN BY: E. Toth	DATE: SEPT. '76	SCALE: 1:2500
APPROVED BY:	DRAWING NO: QNTT 76-0676-R01	



SEAM	THICKNESS OF MINING SECTION	WT'D AVG. Sp. G. OF MINING SECT.	PIT 1 SEAM LENGTH OXIDIZED	PIT 1 SEAM LENGTH UNOXIDIZED	PIT 2 SEAM LENGTH OXIDIZED	PIT 2 SEAM LENGTH UNOXIDIZED	PIT 3 SEAM LENGTH OXIDIZED	PIT 3 SEAM LENGTH UNOXIDIZED	SECTION WIDTH	PIT 1 RAW COAL RESERVES OXIDIZED	PIT 1 RAW COAL RESERVES UNOXIDIZED	PIT 2 RAW COAL RESERVES OXIDIZED	PIT 2 RAW COAL RESERVES UNOXIDIZED	PIT 3 RAW COAL RESERVES OXIDIZED	PIT 3 RAW COAL RESERVES UNOXIDIZED	MINING FACTOR	PIT 1 PLANT FEED	PIT 2 PLANT FEED	PIT 3 PLANT FEED	ESTIMATED PRODUCT QUALITY YIELD%	PIT 1 CLEAN COAL RESERVES	PIT 2 CLEAN COAL RESERVES	PIT 3 CLEAN COAL RESERVES
			L.O.	L.U.	L.O.	L.U.	L.O.	L.U.	W	R.C.R.O.	R.C.R.U.	R.C.R.O.	R.C.R.U.	R.C.R.O.	R.C.R.U.	M.F.	P.F.	P.F.	P.F.		C.C.R.	C.C.R.	C.C.R.

QUINTETTE COAL LIMITED

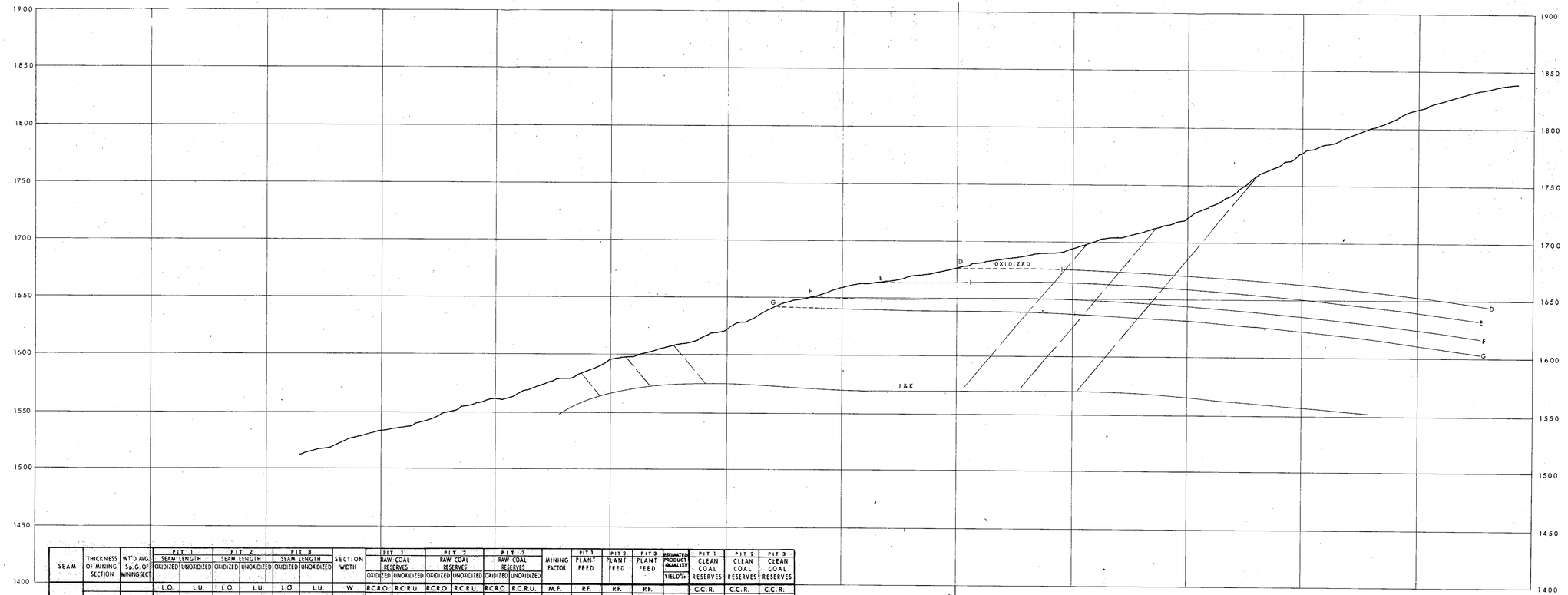
PREPARED BY:
DENISON COAL LIMITED
CALGARY ALBERTA

PR-Quintette-76(2)B

WINDY

CROSS SECTION W76 30

DRAWN BY: E. Loth	DATE: SEPT. '76	SCALE: 1:2500
APPROVED BY:	DRAWING NO: QNTT 76-0676-R01	



SEAM	THICKNESS OF MINING SECTION	WT'D AVG Sp. G. OF MINING SECT.	PIT 1 SEAM LENGTH OXIDIZED	PIT 1 SEAM LENGTH UNOXIDIZED	PIT 2 SEAM LENGTH OXIDIZED	PIT 2 SEAM LENGTH UNOXIDIZED	PIT 3 SEAM LENGTH OXIDIZED	PIT 3 SEAM LENGTH UNOXIDIZED	SECTION WIDTH	PIT 1 RAW COAL RESERVES OXIDIZED	PIT 1 RAW COAL RESERVES UNOXIDIZED	PIT 2 RAW COAL RESERVES OXIDIZED	PIT 2 RAW COAL RESERVES UNOXIDIZED	PIT 3 RAW COAL RESERVES OXIDIZED	PIT 3 RAW COAL RESERVES UNOXIDIZED	MINING FACTOR	PIT 1 PLANT FEED	PIT 2 PLANT FEED	PIT 3 PLANT FEED	ESTIMATED PRODUCT QUALITY YIELD%	PIT 1 CLEAN COAL RESERVES	PIT 2 CLEAN COAL RESERVES	PIT 3 CLEAN COAL RESERVES
			L.O.	L.U.	L.O.	L.U.	L.O.	L.U.	W	R.C.R.O.	R.C.R.U.	R.C.R.O.	R.C.R.U.	R.C.R.O.	R.C.R.U.	M.F.	P.F.	P.F.	P.F.		C.C.R.	C.C.R.	C.C.R.

QUINTETTE COAL LIMITED

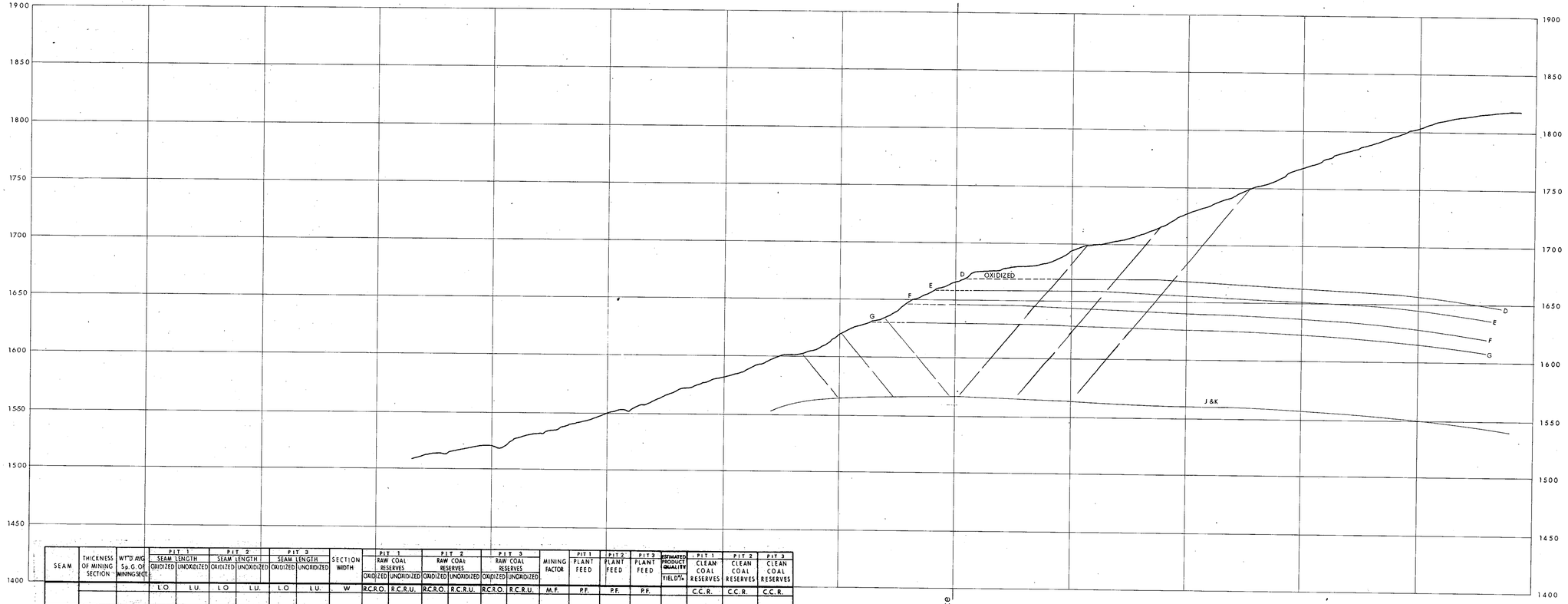
PREPARED BY:
DENISON COAL LIMITED
CALGARY ALBERTA

PR-Quintette 76(2)B

WINDY

CROSS SECTION W76_31

DRAWN BY: E. Loth	DATE: SEPT. '76	SCALE: 1:2500
APPROVED BY:	DRAWING NO.: QNTT 76-0676-R01	



SEAM	THICKNESS OF MINING SECTION	WT'D AVG Sp. G. OF MINING SECT.	PIT 1 SEAM LENGTH OXIDIZED	PIT 1 SEAM LENGTH UNOXIDIZED	PIT 2 SEAM LENGTH OXIDIZED	PIT 2 SEAM LENGTH UNOXIDIZED	PIT 3 SEAM LENGTH OXIDIZED	PIT 3 SEAM LENGTH UNOXIDIZED	SECTION WIDTH	PIT 1 RAW COAL RESERVES OXIDIZED	PIT 1 RAW COAL RESERVES UNOXIDIZED	PIT 2 RAW COAL RESERVES OXIDIZED	PIT 2 RAW COAL RESERVES UNOXIDIZED	PIT 3 RAW COAL RESERVES OXIDIZED	PIT 3 RAW COAL RESERVES UNOXIDIZED	MINING FACTOR	PIT 1 PLANT FEED	PIT 2 PLANT FEED	PIT 3 PLANT FEED	ESTIMATED PRODUCT QUALITY YIELD%	PIT 1 CLEAN COAL RESERVES	PIT 2 CLEAN COAL RESERVES	PIT 3 CLEAN COAL RESERVES
			L.O.	L.U.	L.O.	L.U.	L.O.	L.U.	W	R.C.R.O.	R.C.R.U.	R.C.R.O.	R.C.R.U.	R.C.R.O.	R.C.R.U.	M.F.	P.F.	P.F.	P.F.		C.C.R.	C.C.R.	C.C.R.

QUINTETTE COAL LIMITED

PREPARED BY:
DENISON COAL LIMITED
CALGARY ALBERTA

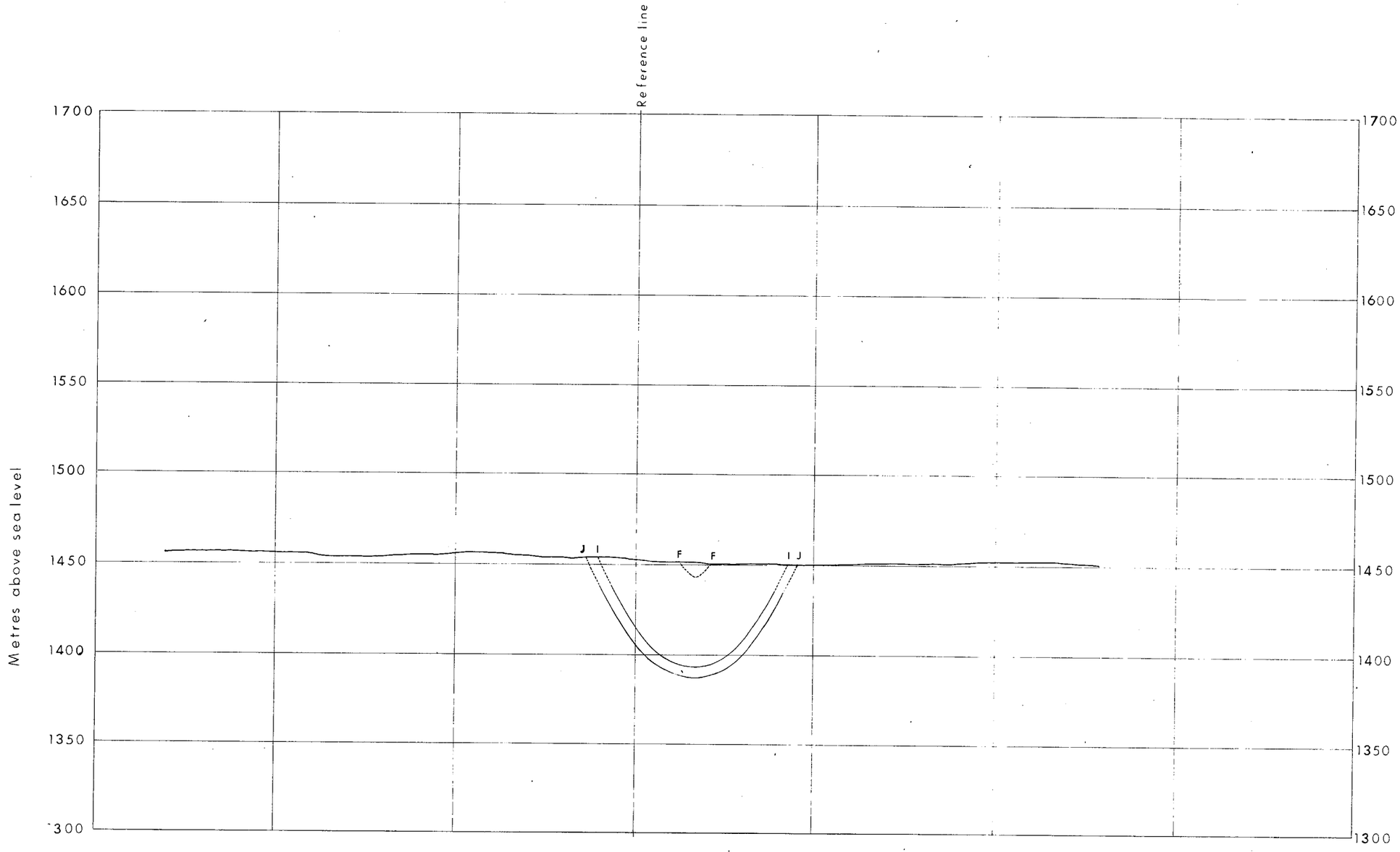
PR-Quintette 76(2) B

WINDY

CROSS SECTION W76 32

DRAWN BY: E. Toth	DATE: SEPT. '76	SCALE: 1:2500
APPROVED BY:	DRAWING NO: QNTT 76-0676-R01	

Roman Mtn.
Cross section.
R7600A - R7600D.
R7601 - R7624



QUINTETTE COAL LIMITED

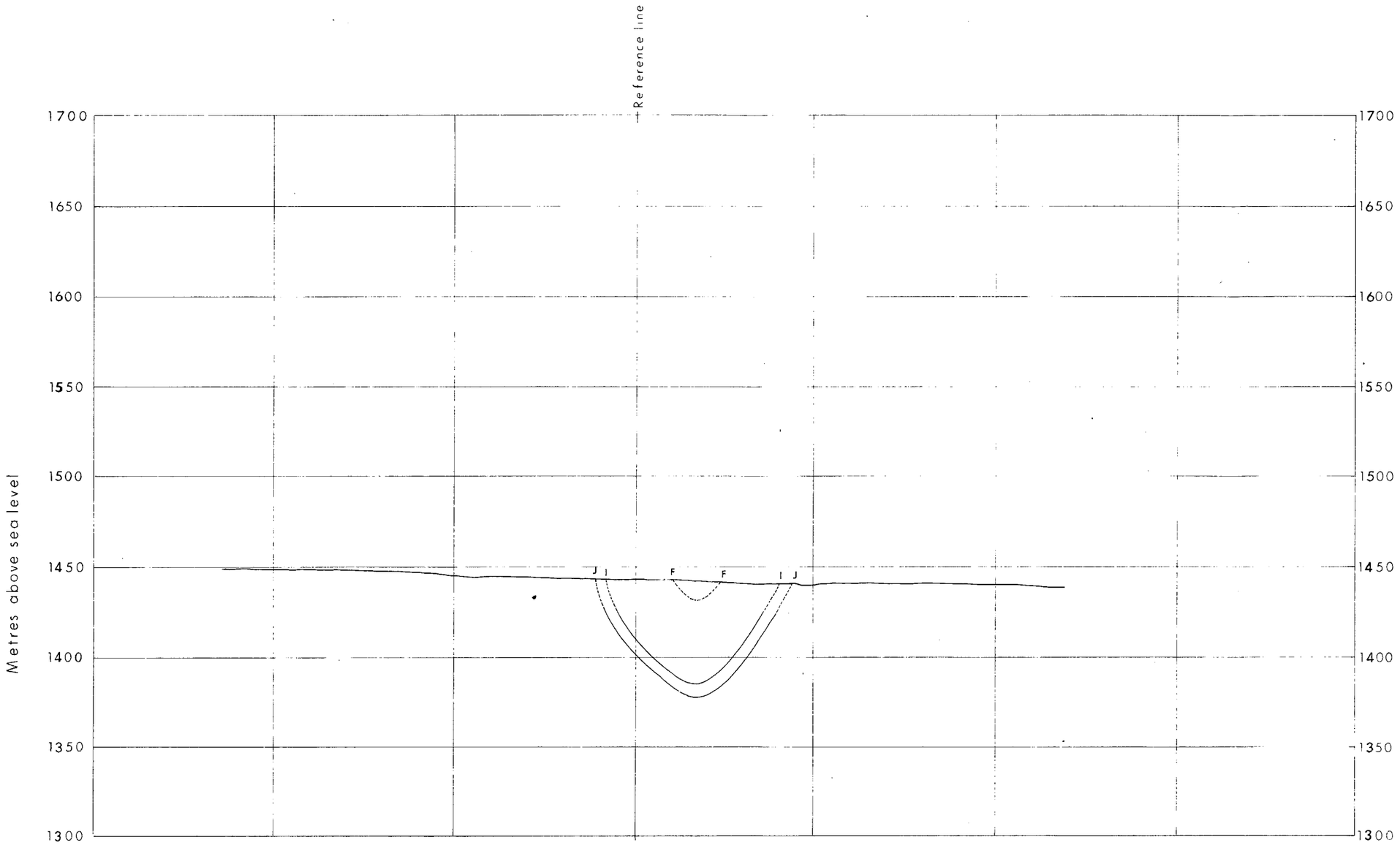
PREPARED BY:
DENISON COAL LIMITED
CALGARY ALBERTA

PR-Quintette 76(2)B

ROMAN MOUNTAIN

CROSS SECTION R76 00A

DRAWN BY E. Toth	DATE OCT. '76	SCALE 1:2500
APPROVED BY	DRAWING NO QNTT 76 - 0674 - R01	



QUINTETTE COAL LIMITED

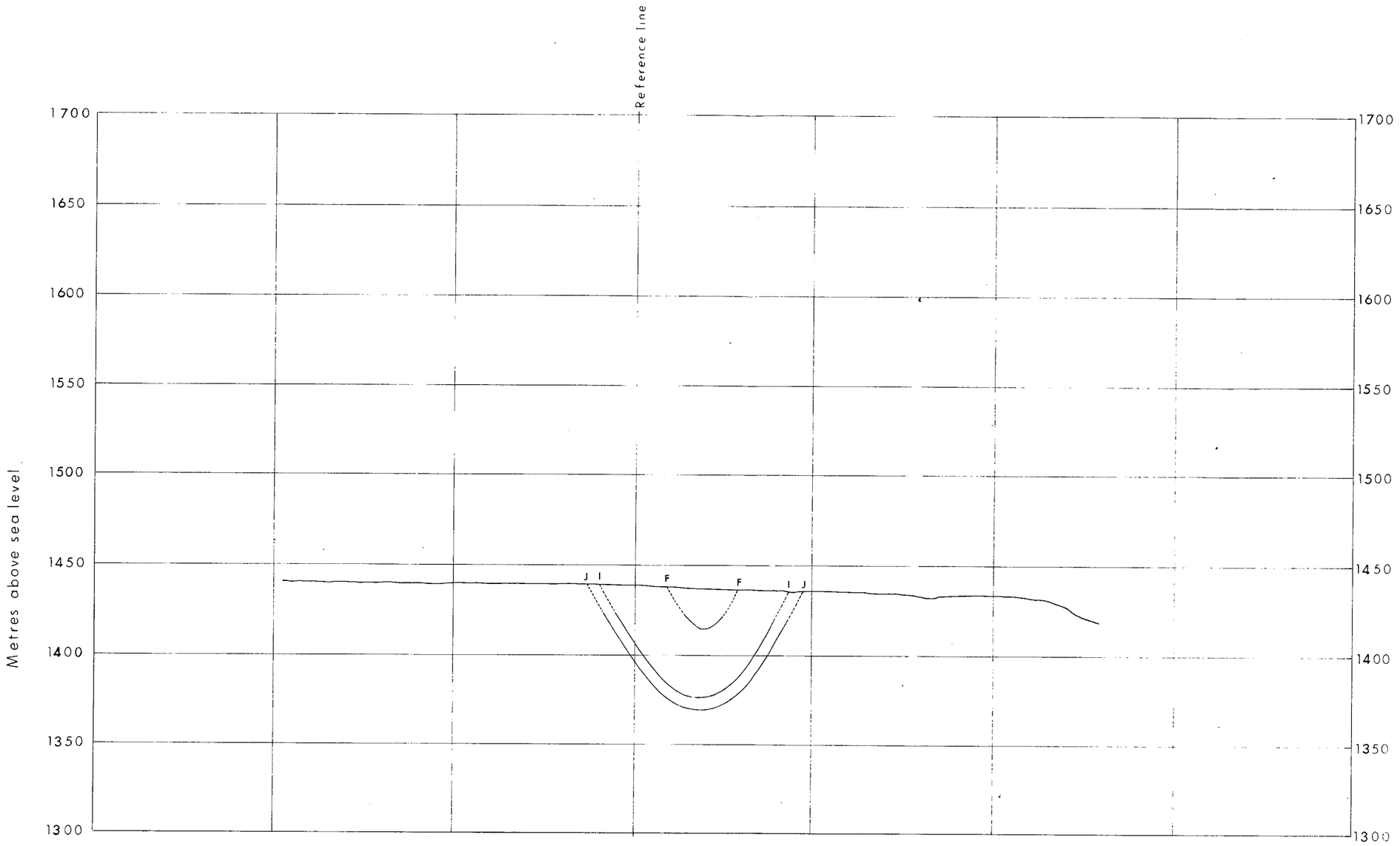
PREPARED BY:
DENISON COAL LIMITED
CALGARY ALBERTA

PR- Quintette 76(2)B.

ROMAN MOUNTAIN

CROSS SECTION R76 00B ,

DRAWN BY E. Toth	DATE OCT. '76	SCALE 1:2500
APPROVED BY	DRAWING NO QNTT 76 - 0674 - R01	



QUINTETTE COAL LIMITED

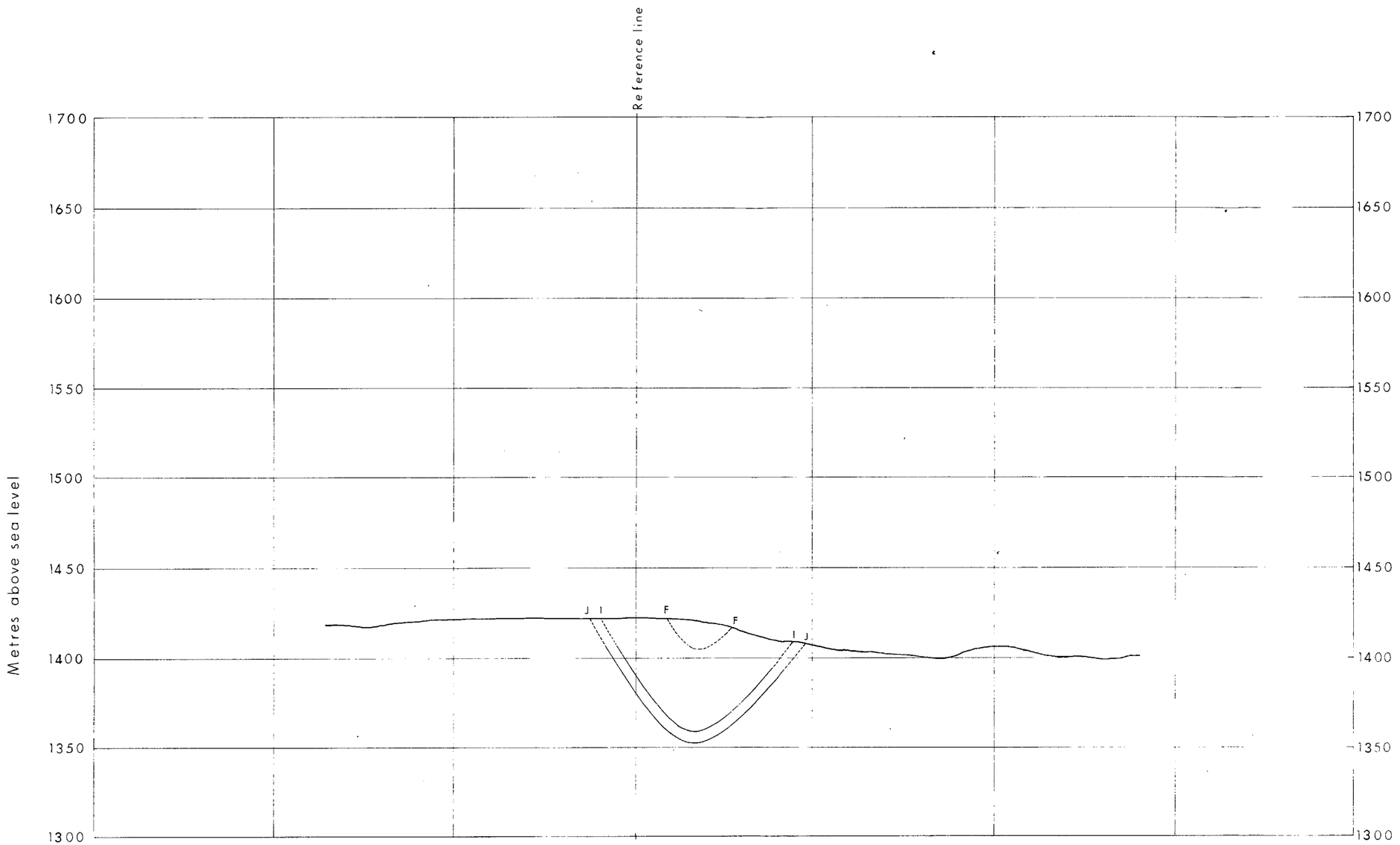
PREPARED BY:
DENISON COAL LIMITED
CALGARY ALBERTA

PR-Quintette 76(2)B.

ROMAN MOUNTAIN

CROSS SECTION R76 00C

DRAWN BY E. Toth	DATE OCT. '76	SCALE 1:2500
APPROVED BY	DRAWING NO QNTT 76 - 0674 - R01	



QUINTETTE COAL LIMITED

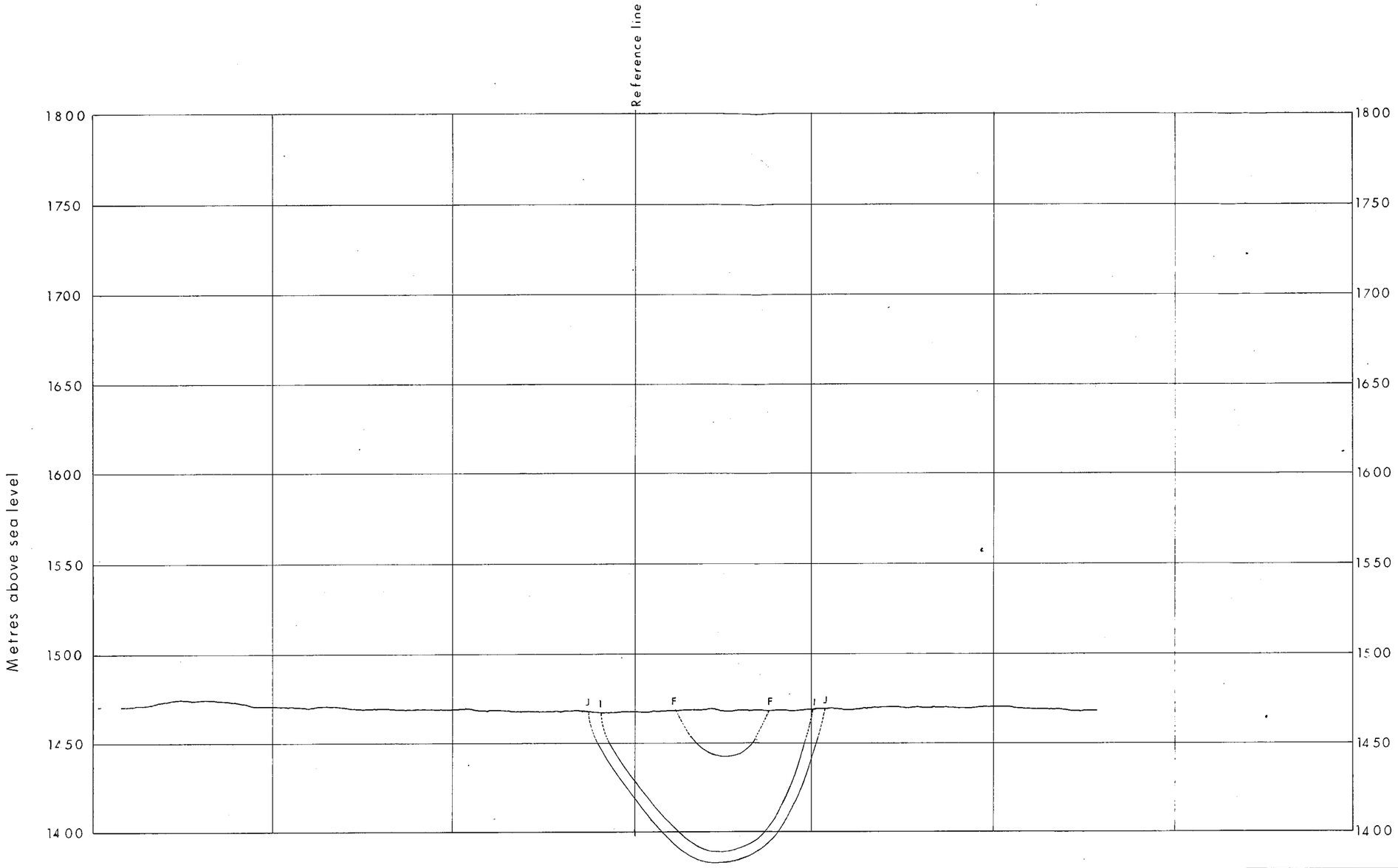
PREPARED BY:
DENISON COAL LIMITED
CALGARY ALBERTA

PR-Quintette 76(2) B.

ROMAN MOUNTAIN

CROSS SECTION R76 00D

DRAWN BY E. Toth	DATE OCT. '76	SCALE 1:2500
APPROVED BY	DRAWING NO QNTT - 76 - 0674 - R01	



QUINTETTE COAL LIMITED

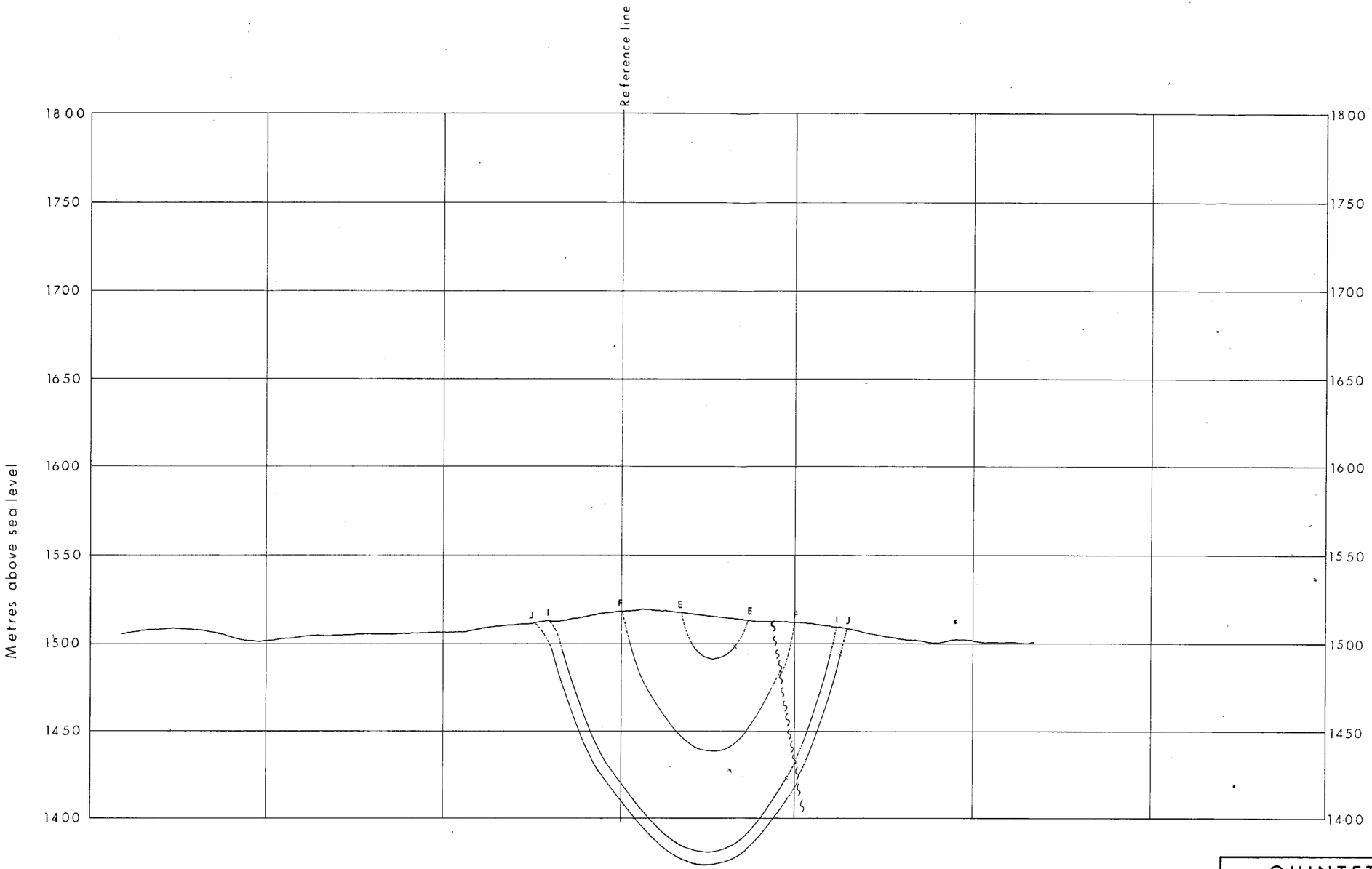
PREPARED BY:
DENISON COAL LIMITED
CALGARY ALBERTA

PR-Quintette 76(2)B.

ROMAN MOUNTAIN

CROSS SECTION R7601

DRAWN BY: J.W.K.	DATE: SEPT. ,'76	SCALE: 1:2500
APPROVED BY:	DRAWING NO: QNTT 76-0674-R01	



QUINTETTE COAL LIMITED

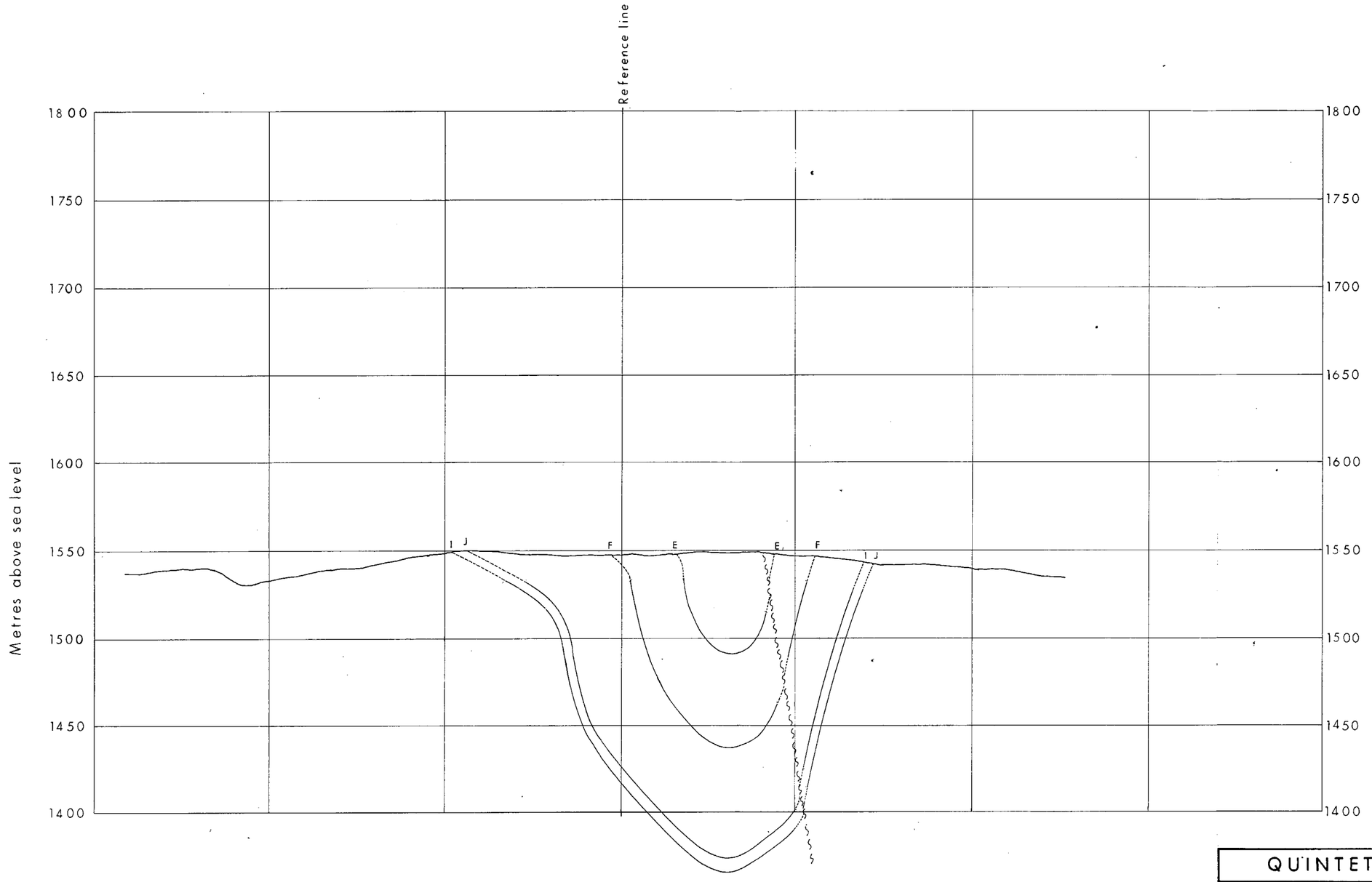
PREPARED BY:
DENISON COAL LIMITED
CALGARY ALBERTA

PR-Quintette 76(2) B.

ROMAN MOUNTAIN

CROSS SECTION R7602

DRAWN BY: J.W.K.	DATE: SEPT., 76	SCALE: 1:2500
APPROVED BY:	DRAWING NO: QNTT76-0674-R01	



QUINTETTE COAL LIMITED

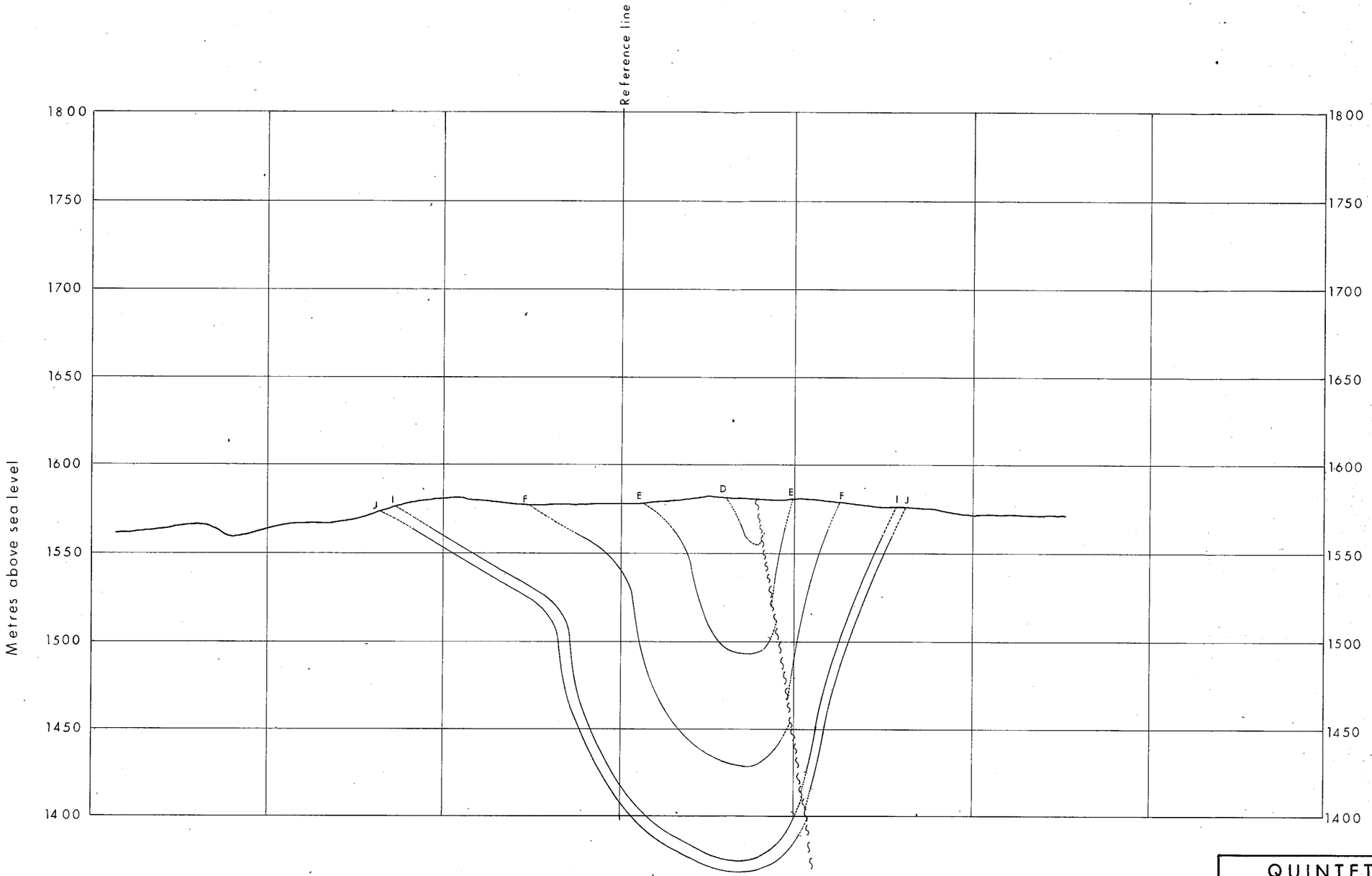
PREPARED BY:
DENISON COAL LIMITED
CALGARY ALBERTA

PR-Quintette 76 (27)B

ROMAN MOUNTAIN

CROSS SECTION R7603

DRAWN BY: J.W.K.	DATE: SEPT., 76	SCALE: 1:2500
APPROVED BY:	DRAWING NO: QNTT76-0674-R01	



QUINTETTE COAL LIMITED

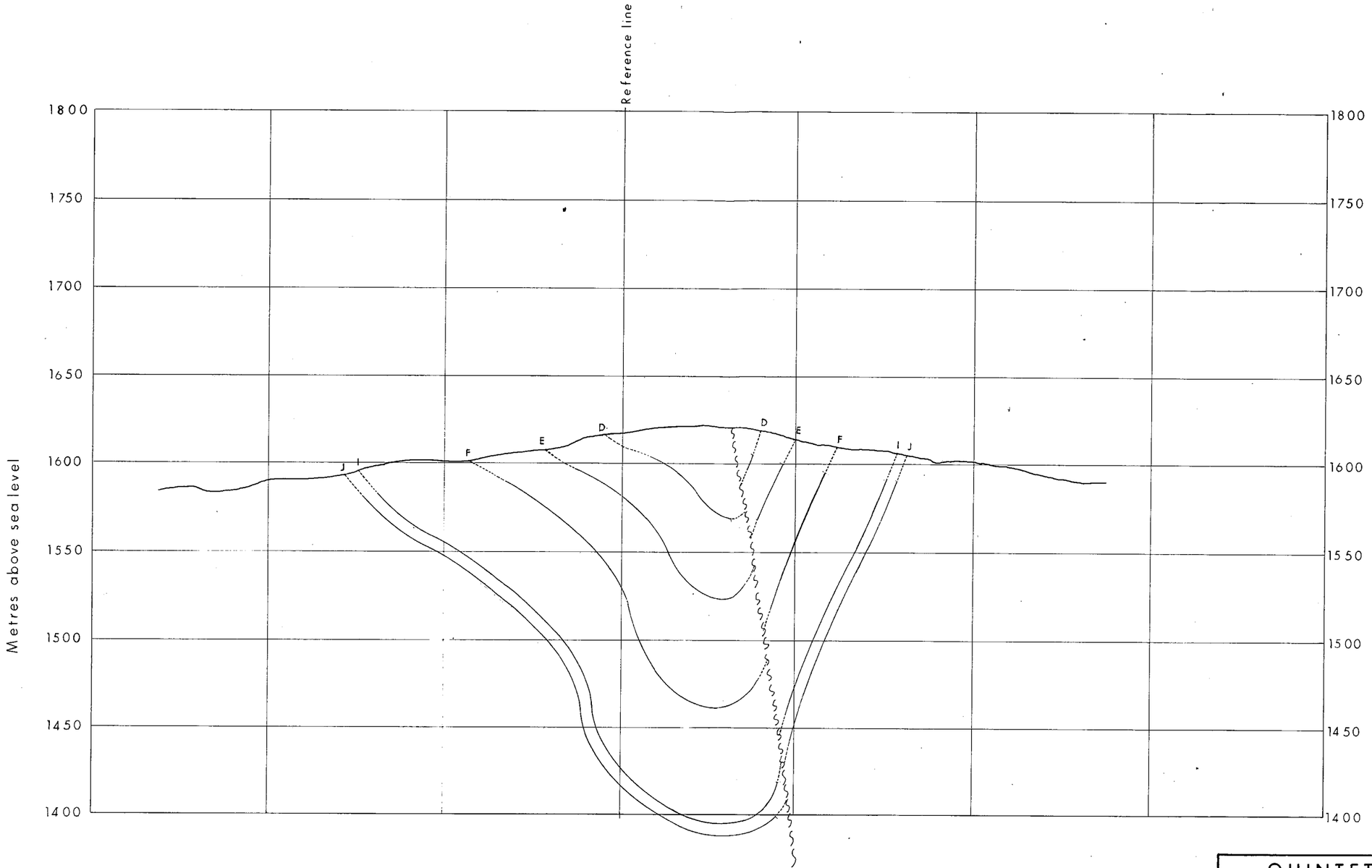
PREPARED BY:
DENISON COAL LIMITED
CALGARY ALBERTA

PR-Quintette 76(2)B.

ROMAN MOUNTAIN

CROSS SECTION R7604

DRAWN BY: J.W.K.	DATE: SEPT., 76	SCALE: 1:2500
APPROVED BY:	DRAWING NO: QNTT76-0674-R01	



QUINTETTE COAL LIMITED

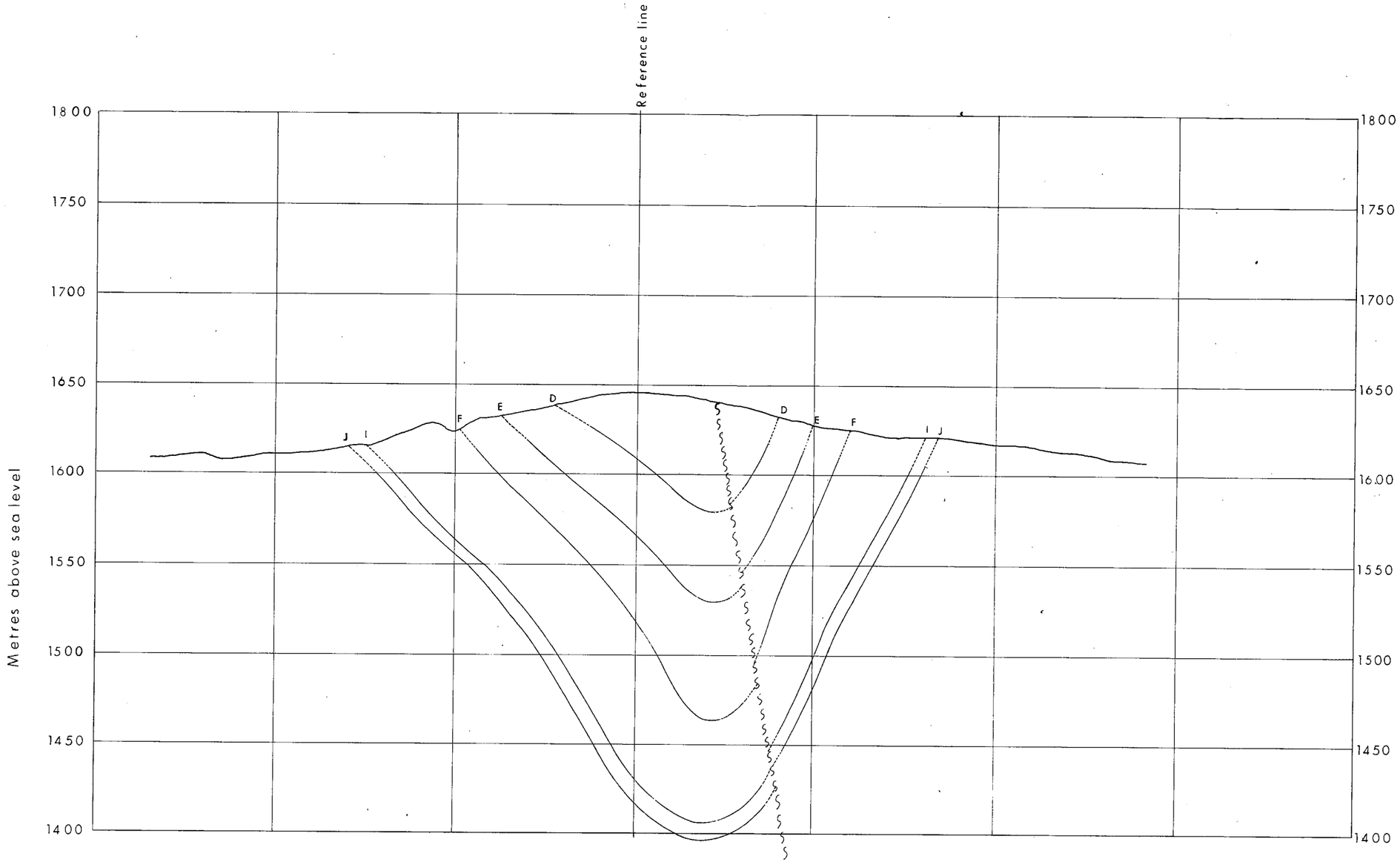
PREPARED BY:
DENISON COAL LIMITED
CALGARY ALBERTA

PR-Quintette 76(2)B

ROMAN MOUNTAIN

CROSS SECTION R7605

DRAWN BY: J.W.K.	DATE: SEPT., 76	SCALE: 1:2500
APPROVED BY:	DRAWING NO: QNTT76-0674-R01	



QUINTETTE COAL LIMITED

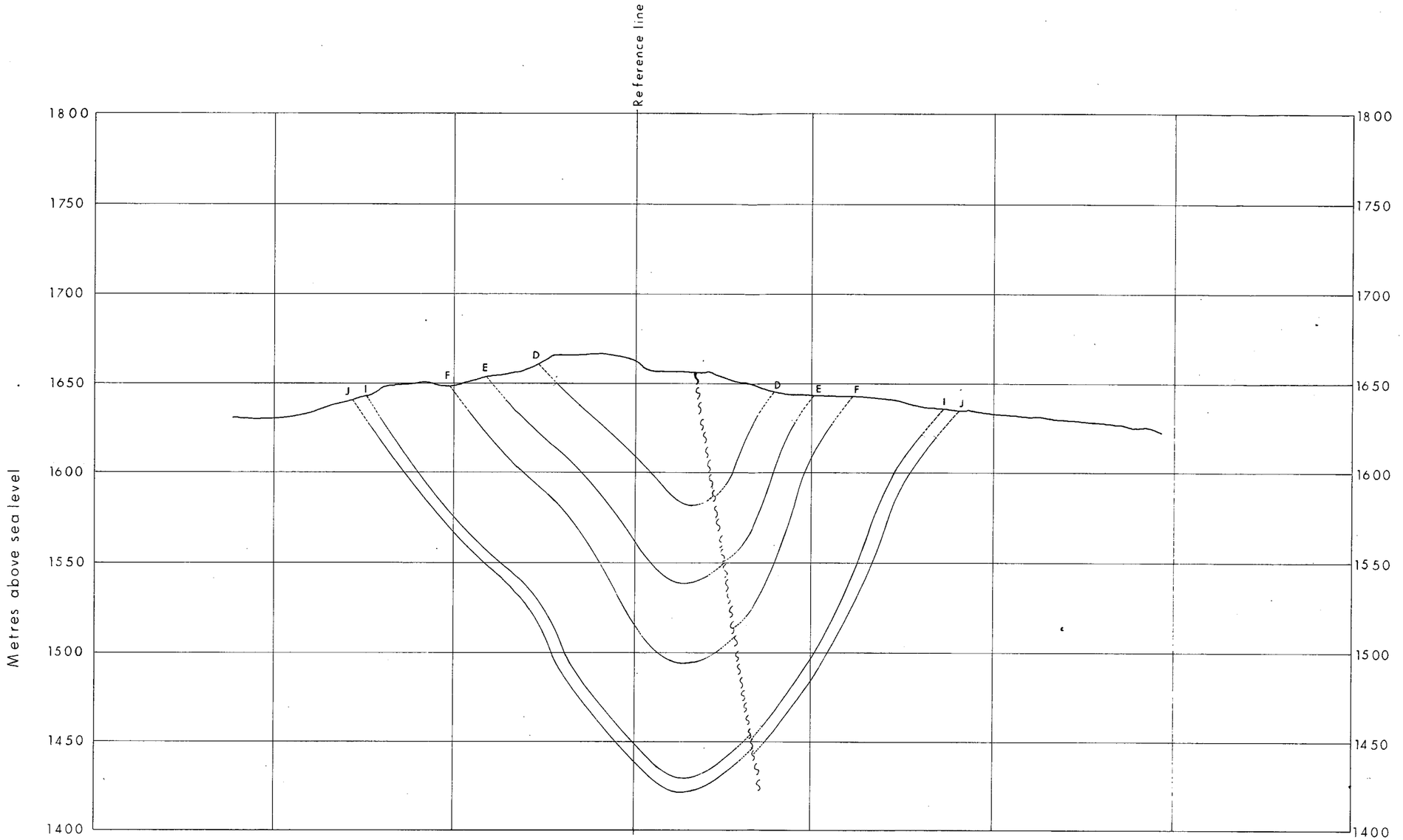
PREPARED BY:
DENISON COAL LIMITED
CALGARY ALBERTA

PR-Quintette 76(2)B

ROMAN MOUNTAIN

CROSS SECTION R7606

DRAWN BY: J.W.K.	DATE: SEPT., 76	SCALE: 1:2500
APPROVED BY:	DRAWING NO: QNTT 76-067.4-R01	



QUINTETTE COAL LIMITED

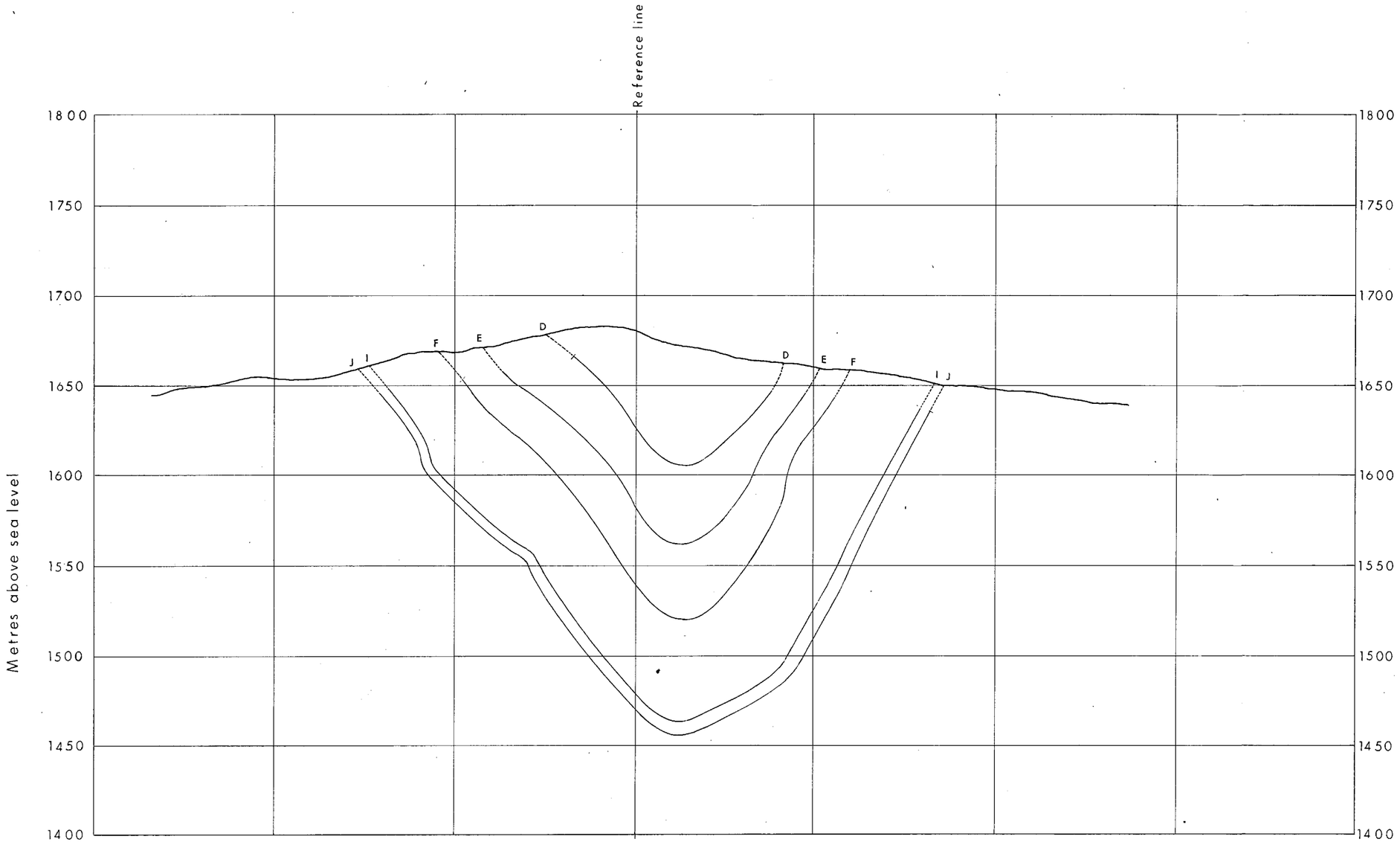
PREPARED BY:
DENISON COAL LIMITED
CALGARY ALBERTA

PR-Quintette 76(2) B.

ROMAN MOUNTAIN

CROSS SECTION R7607

DRAWN BY: J.W.K.	DATE: SEPT., 76	SCALE: 1:2500
APPROVED BY:	DRAWING NO: QNTT 76-0674-R01	



QUINTETTE COAL LIMITED

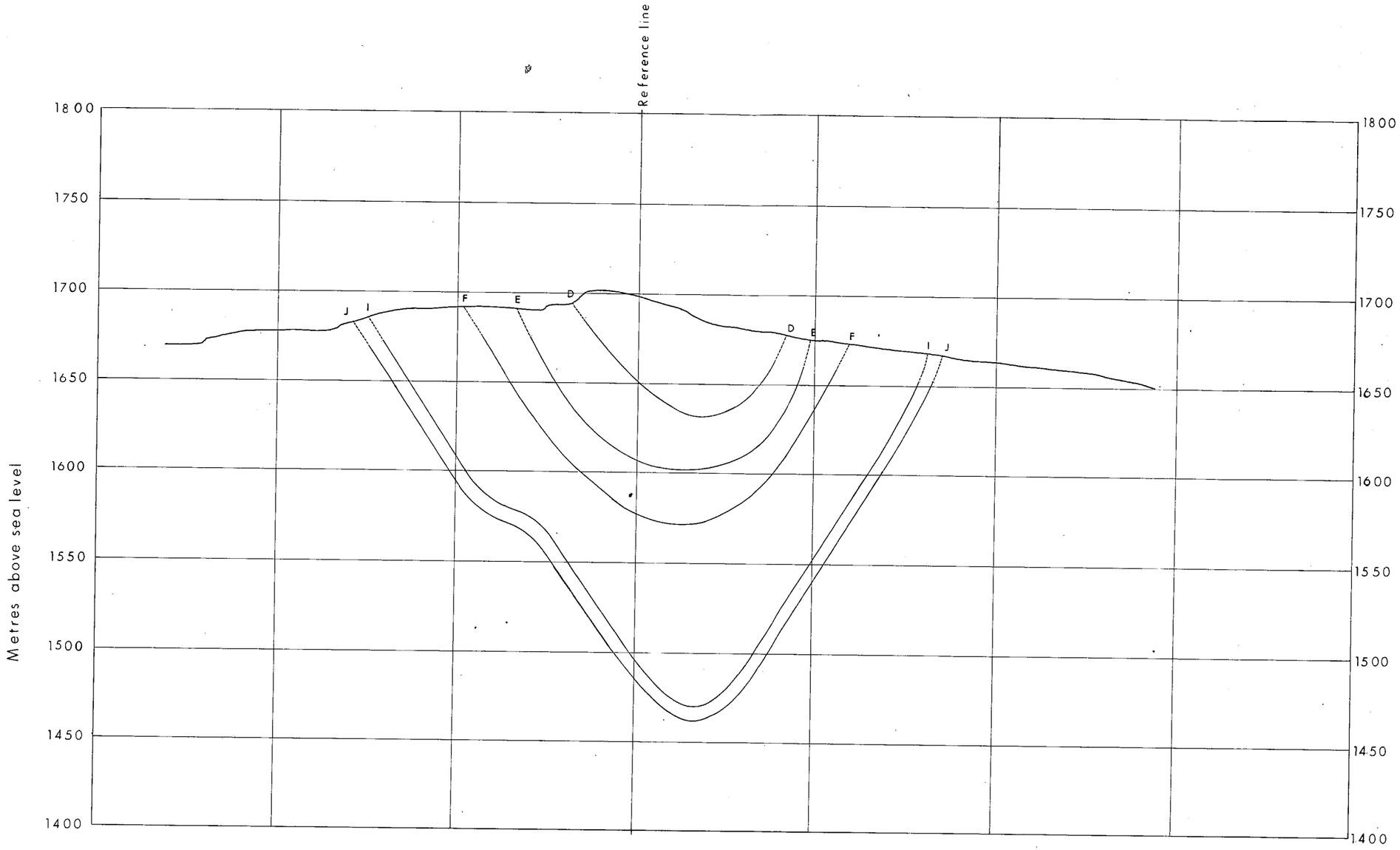
PREPARED BY:
DENISON COAL LIMITED
CALGARY ALBERTA

PR - Quintette 76(2)B.

ROMAN MOUNTAIN

CROSS SECTION R7608

DRAWN BY: J.W.K.	DATE: SEPT., 76	SCALE: 1:2500
APPROVED BY:	DRAWING NO: QNTT76-0674-R01	



QUINTETTE COAL LIMITED

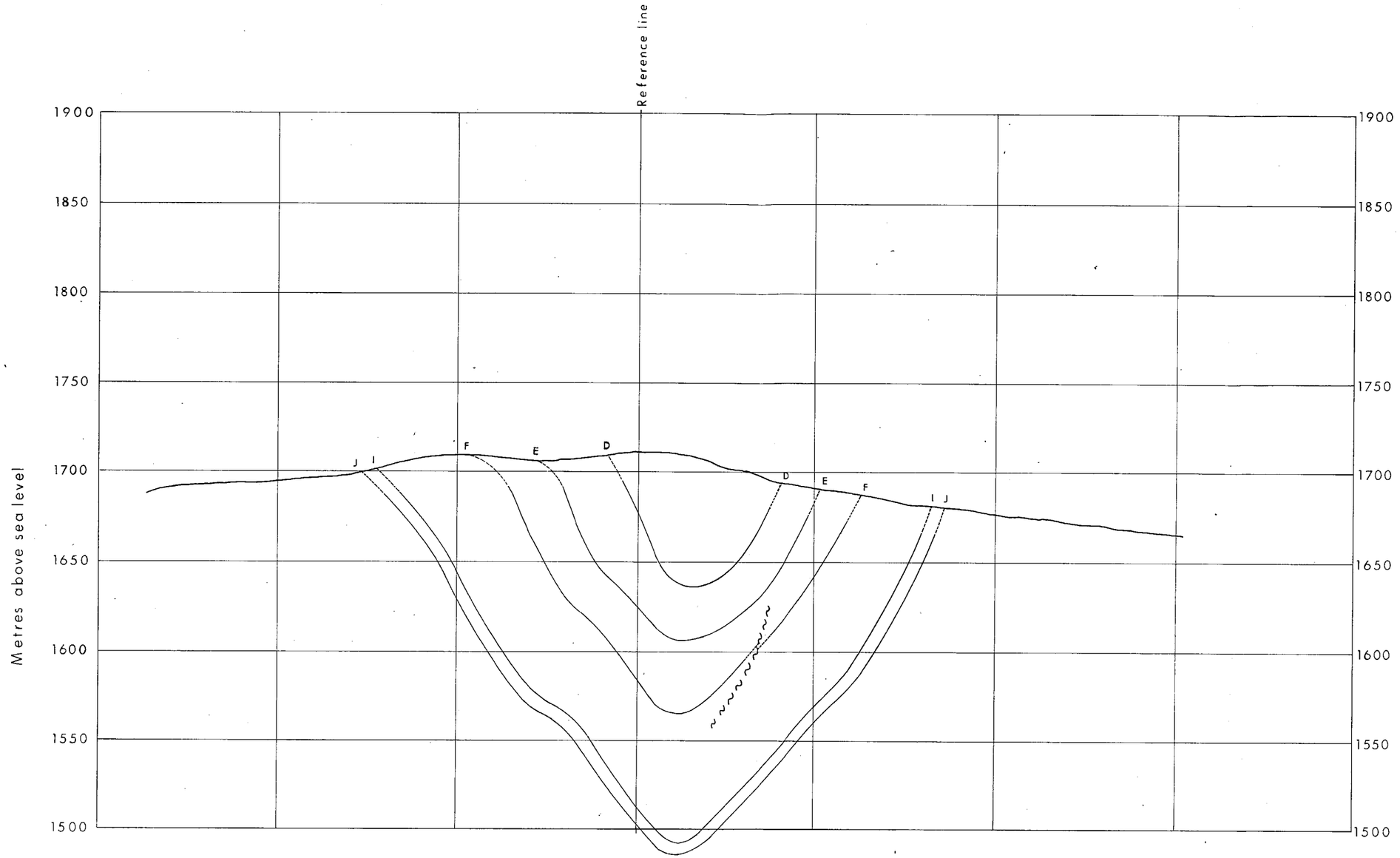
PREPARED BY:
DENISON COAL LIMITED
CALGARY ALBERTA

PR Quintette 76(2) B

ROMAN MOUNTAIN

CROSS SECTION R7609

DRAWN BY: J.W. K.	DATE: SEPT., 76	SCALE: 1:2500
APPROVED BY:	DRAWING NO: QNTT76-0674-R01	



QUINTETTE COAL LIMITED

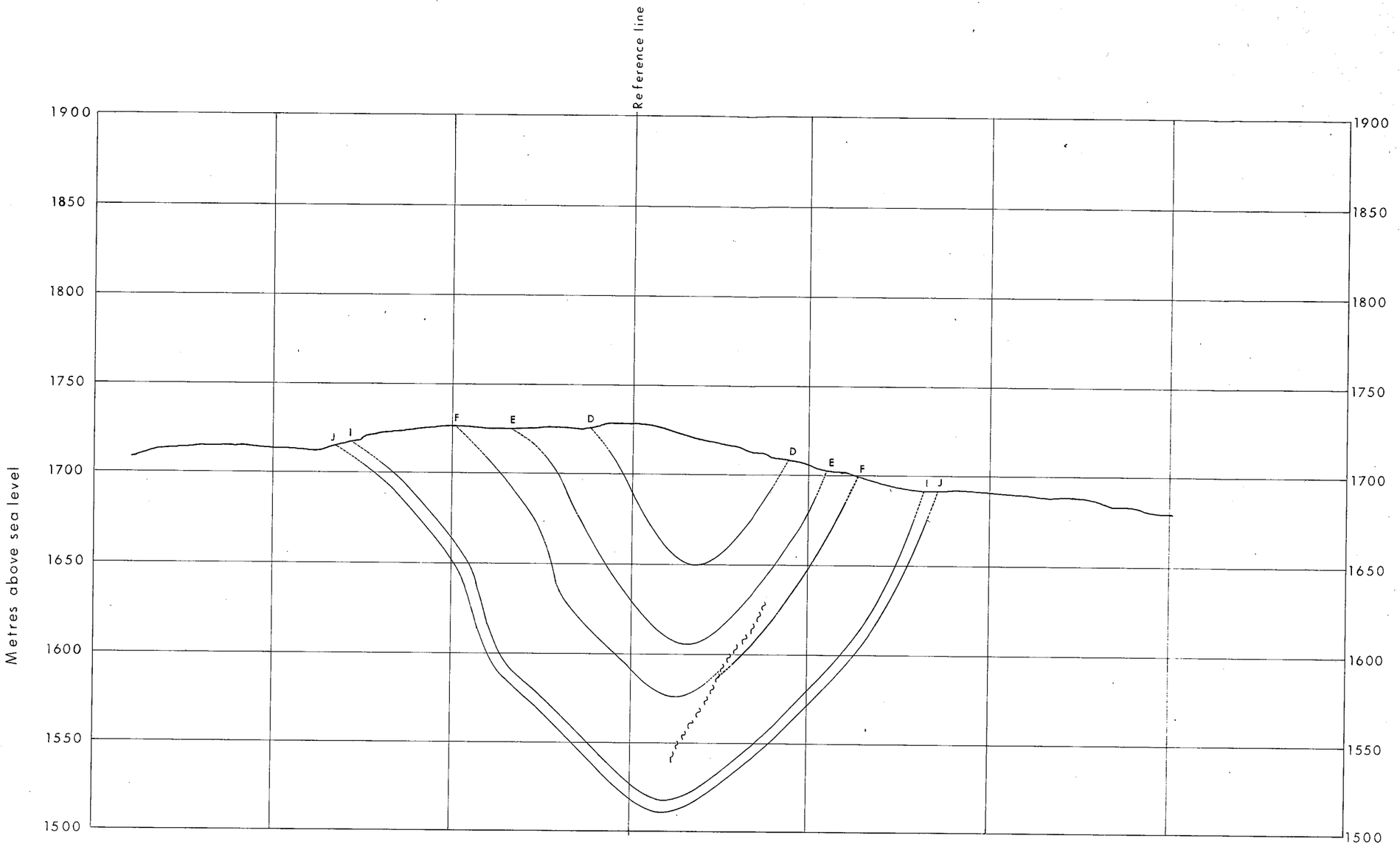
PREPARED BY:
DENISON COAL LIMITED
CALGARY ALBERTA

PR- Quintette 76(2)B.

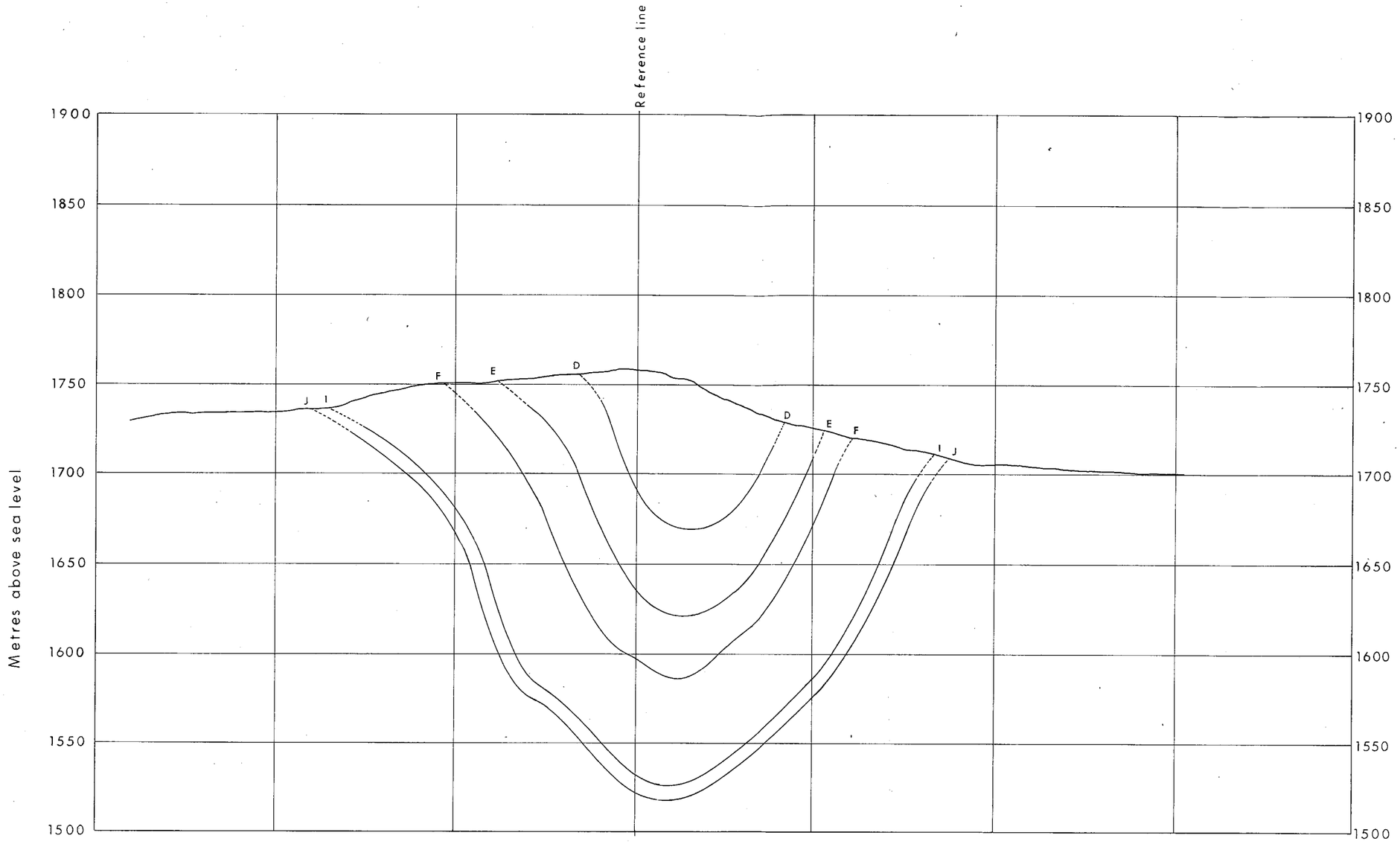
ROMAN MOUNTAIN

CROSS SECTION R7610

DRAWN BY: J.W.K.	DATE: SEPT., 76	SCALE: 1:2500
APPROVED BY:	DRAWING NO: QNTT76-0674-R01	



QUINTETTE COAL LIMITED		
PREPARED BY: DENISON COAL LIMITED CALGARY ALBERTA		
PR-Quintette 76(2)B ROMAN MOUNTAIN CROSS SECTION R7611		
DRAWN BY: J. W. K.	DATE: SEPT., 76	SCALE: 1:2500
APPROVED BY:	DRAWING NO: QNTT76-0674-R01	



QUINTETTE COAL LIMITED

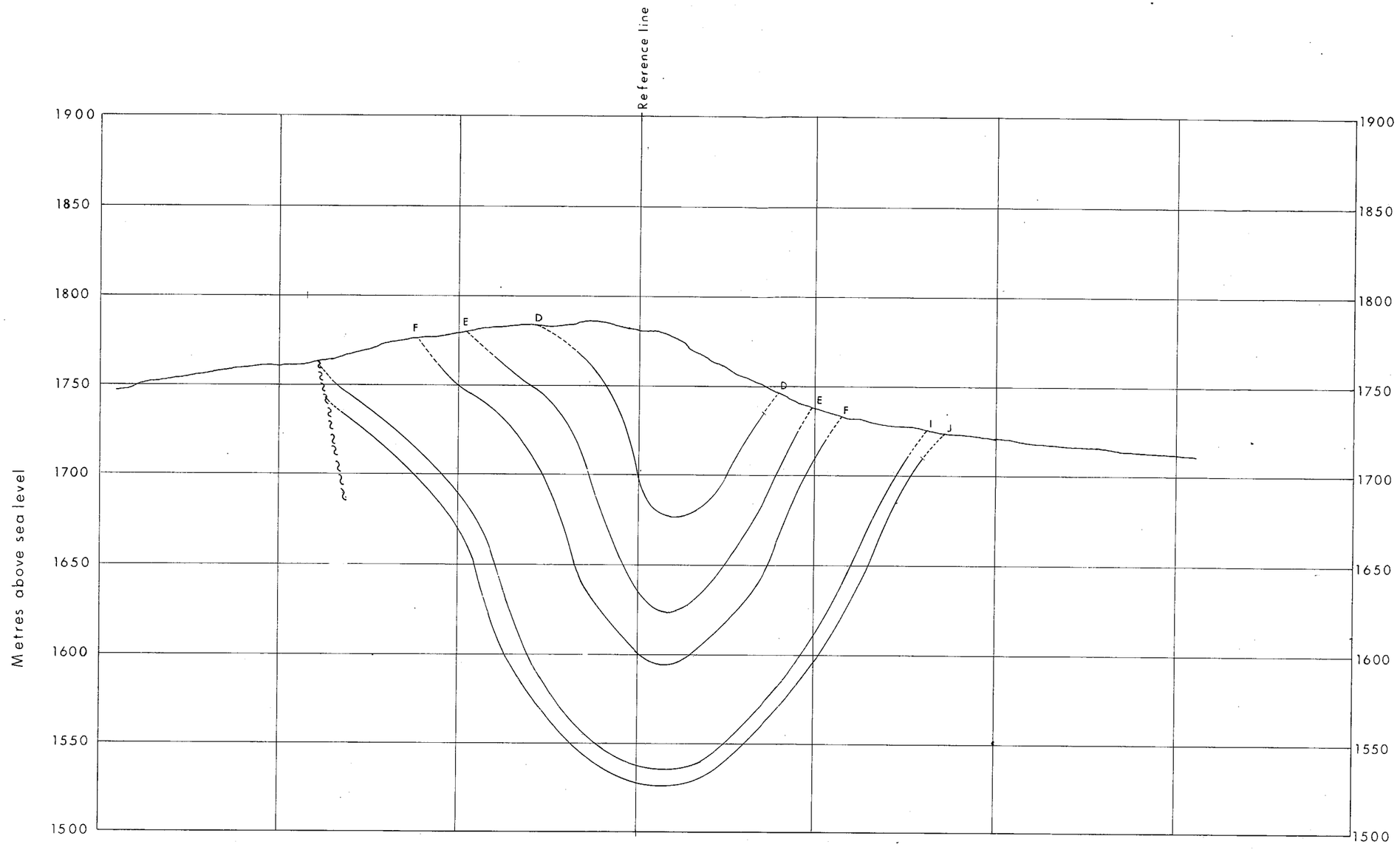
PREPARED BY:
DENISON COAL LIMITED
CALGARY ALBERTA

PR-Quintette 76(2)B

ROMAN MOUNTAIN

CROSS SECTION R7612

DRAWN BY: J.W.K.	DATE: SEPT., 76	SCALE: 1:2500
APPROVED BY:	DRAWING NO: QNTT 76-0674-R01	



QUINTETTE COAL LIMITED

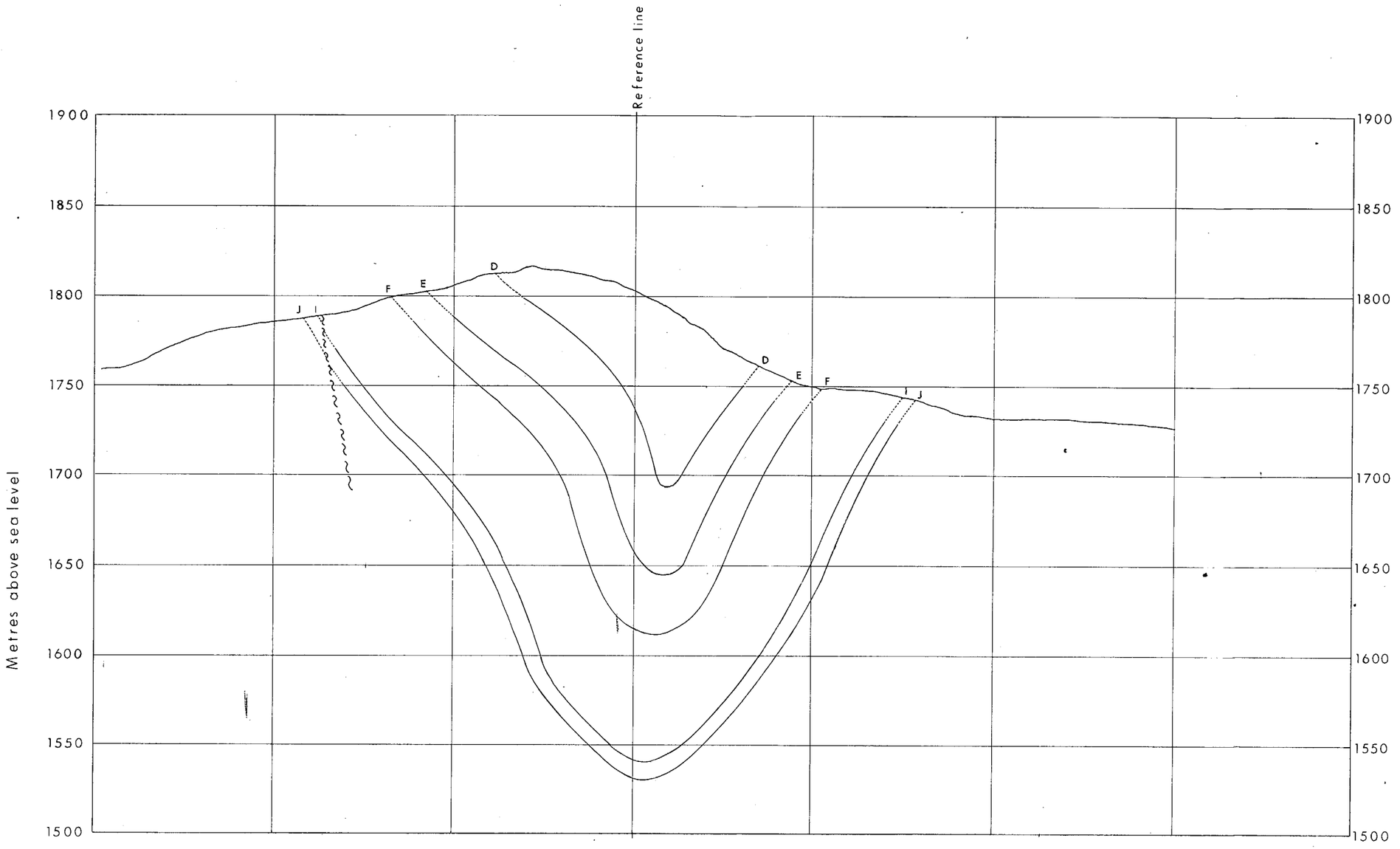
PREPARED BY:
DENISON COAL LIMITED
CALGARY ALBERTA

PR-Quintette 76(2)B

ROMAN MOUNTAIN

CROSS SECTION R7613

DRAWN BY: J.W.K.	DATE: SEPT., 76	SCALE: 1:2500
APPROVED BY:	DRAWING NO: QNTT76-0674-R01	



QUINTETTE COAL LIMITED

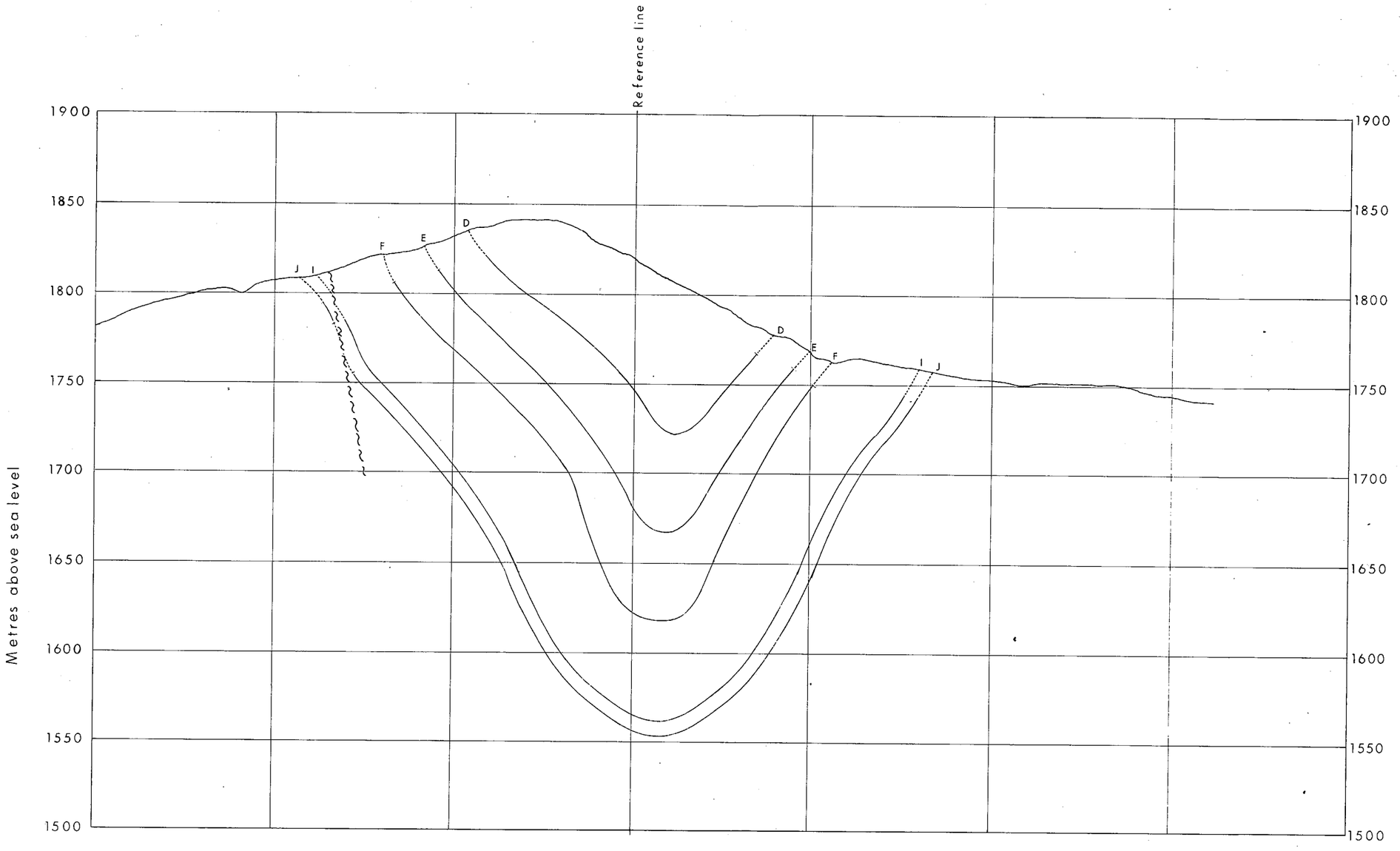
PREPARED BY:
DENISON COAL LIMITED
CALGARY ALBERTA

PK-Quintette 76(2)B.

ROMAN MOUNTAIN

CROSS SECTION R7614

DRAWN BY: J.W.K.	DATE: SEPT., 76	SCALE: 1:2500
APPROVED BY:	DRAWING NO. QNTT76-0674-R01	



QUINTETTE COAL LIMITED

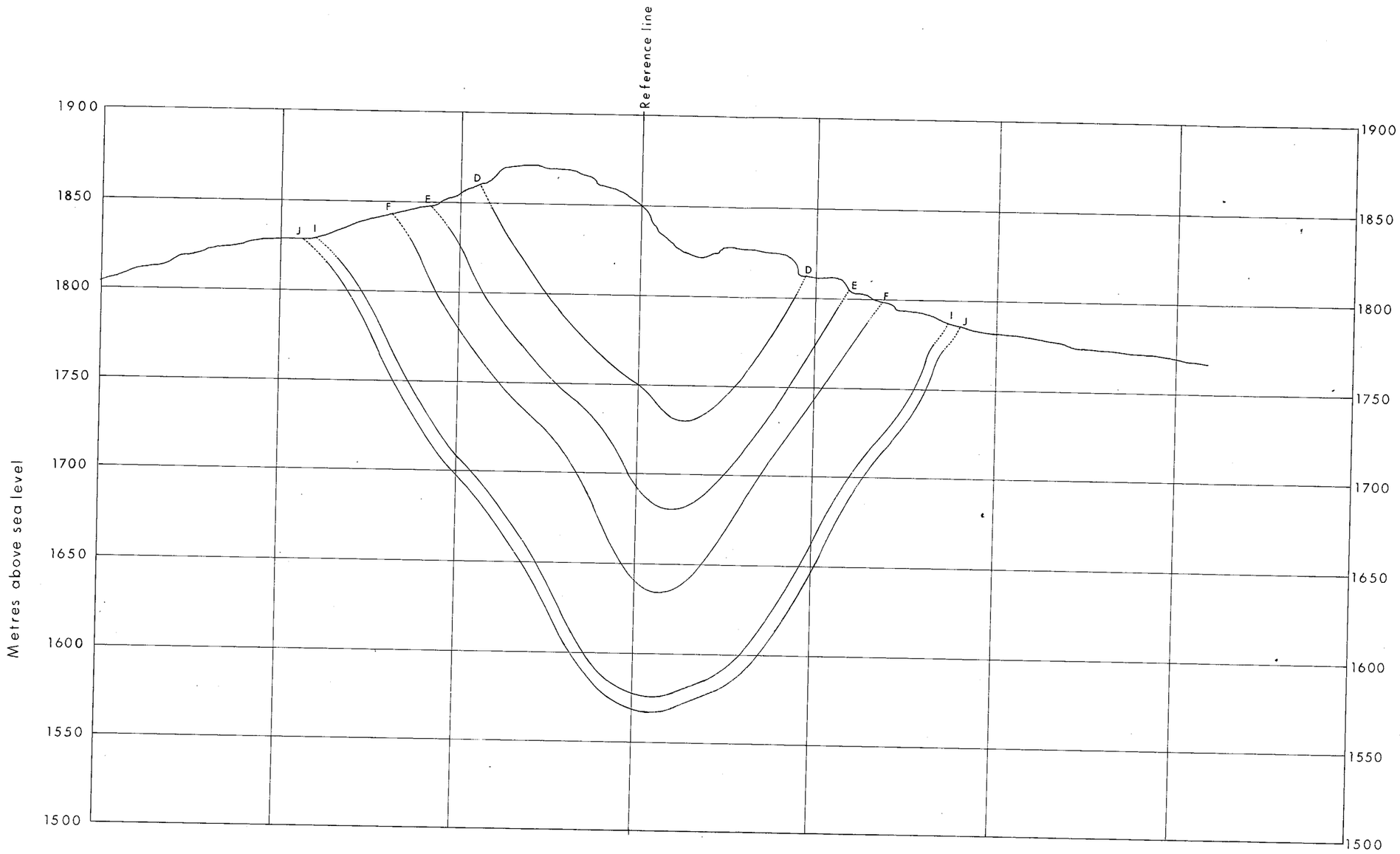
PREPARED BY:
DENISON COAL LIMITED
CALGARY ALBERTA

PR-Quintette 76(2)B

ROMAN MOUNTAIN

CROSS SECTION R7615

DRAWN BY: J.W.K.	DATE: SEPT., 76	SCALE: 1:2500
APPROVED BY:	DRAWING NO: QNTT76-0674-R01	



QUINTETTE COAL LIMITED

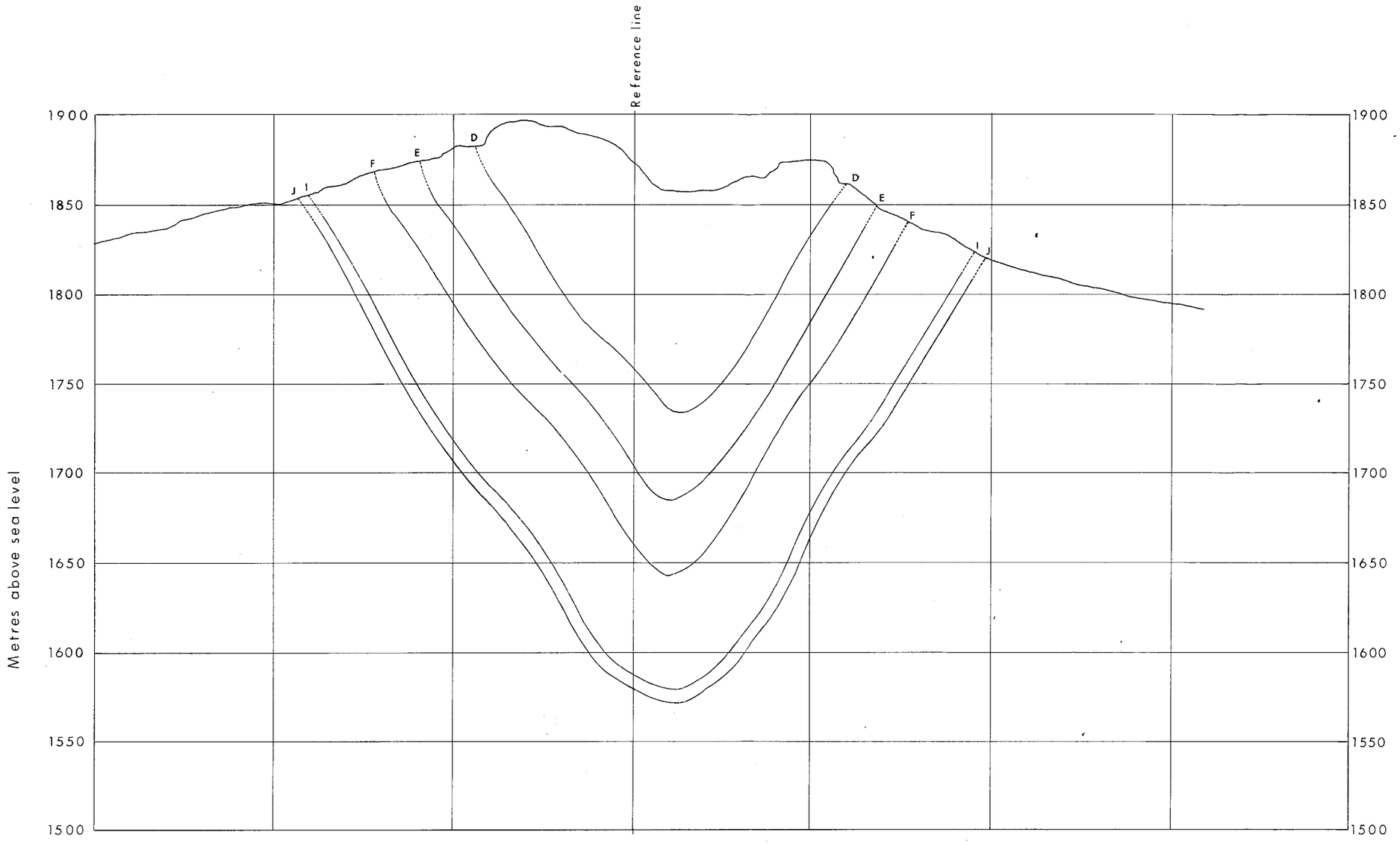
PREPARED BY:
DENISON COAL LIMITED
CALGARY ALBERTA

PR-Quintette76(2)B

ROMAN MOUNTAIN

CROSS SECTION R76 16

DRAWN BY: J.W.K.	DATE: SEPT., 76	SCALE: 1:2500
APPROVED BY:	DRAWING NO: QNTT76-0674-R01	



QUINTETTE COAL LIMITED

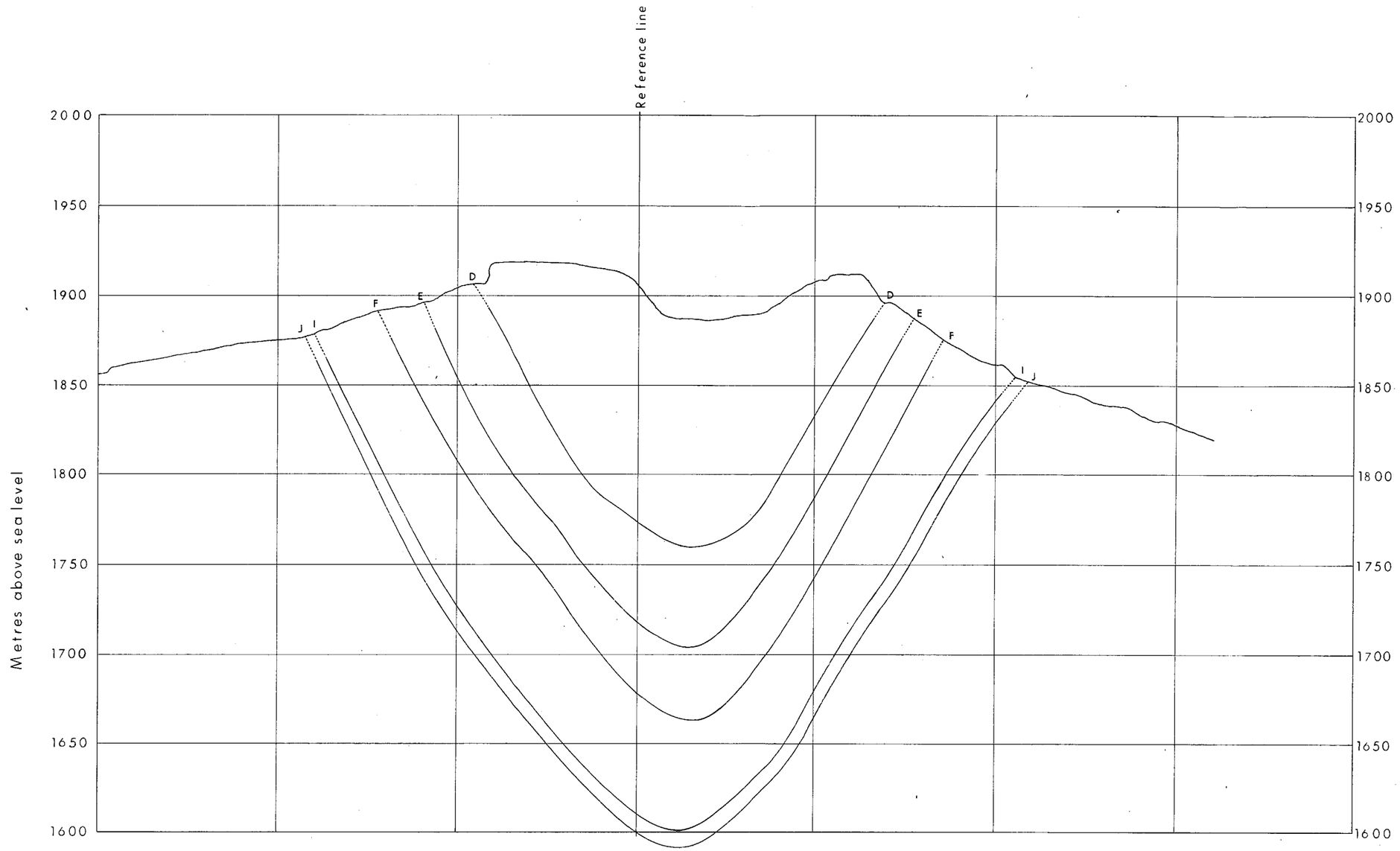
PREPARED BY:
DENISON COAL LIMITED
CALGARY ALBERTA

PR-Quintette76(2)B.

ROMAN MOUNTAIN

CROSS SECTION R7617

DRAWN BY: J.W.K.	DATE: SEPT., 76	SCALE: 1:2500
APPROVED BY:	DRAWING NO: QNTT76-0674-R01	



QUINTETTE COAL LIMITED

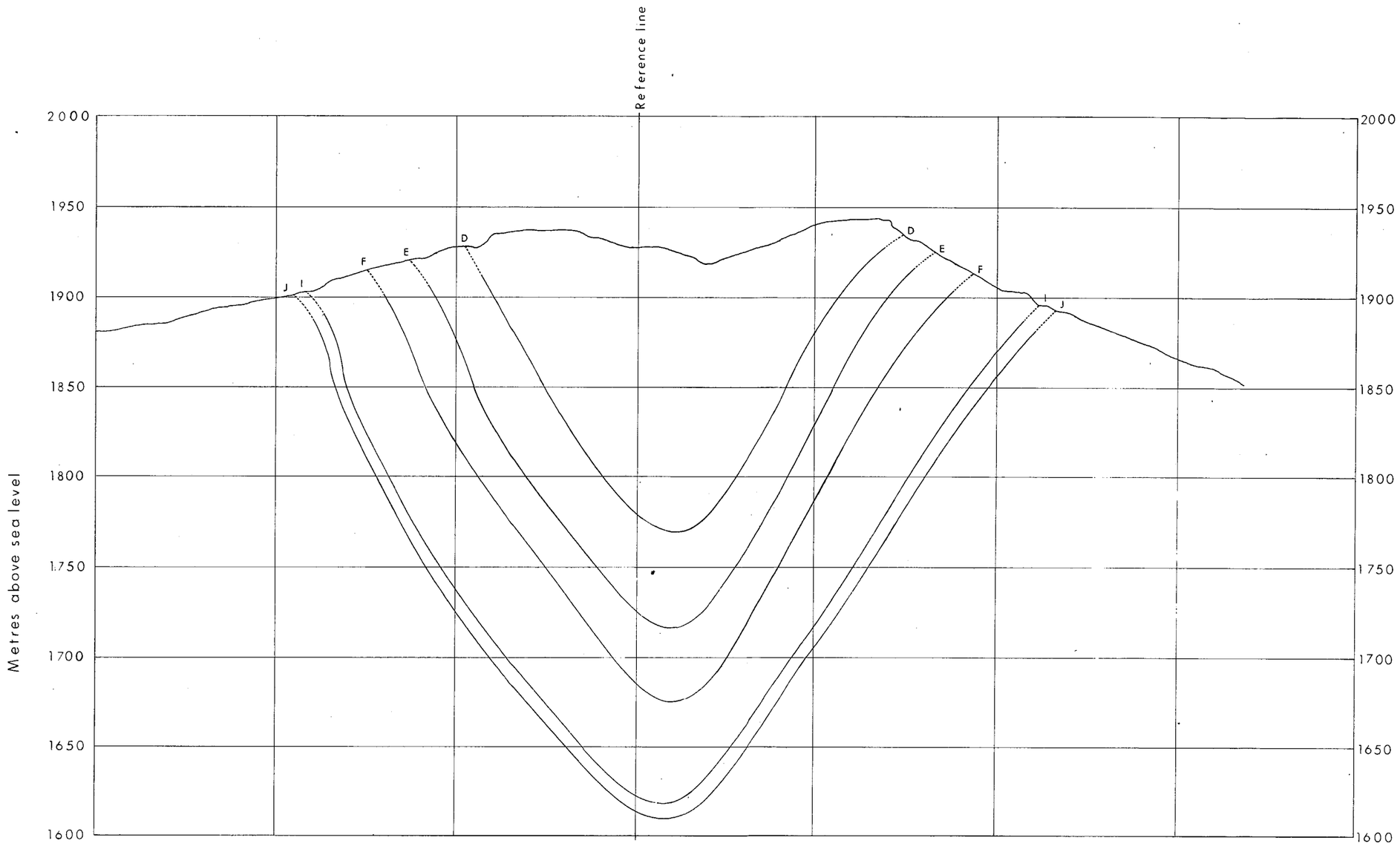
PREPARED BY:
DENISON COAL LIMITED
CALGARY ALBERTA

PR-Quintette 76(-2) B

ROMAN MOUNTAIN

CROSS SECTION R76 18

DRAWN BY: J.W.K.	DATE: SEPT., 76	SCALE: 1:2500
APPROVED BY:	DRAWING NO: QNTT76-0674-R01	



QUINTETTE COAL LIMITED

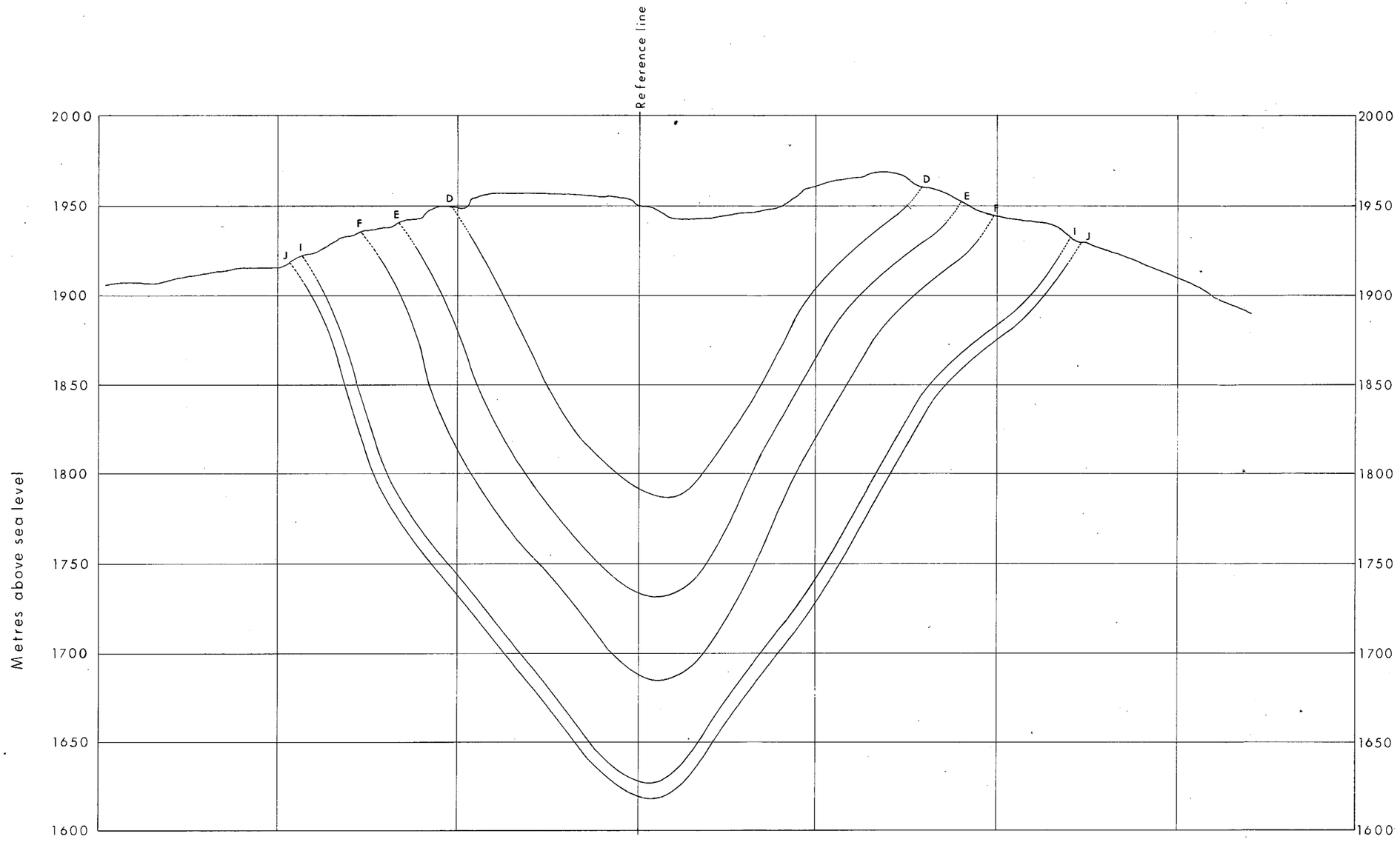
PREPARED BY:
DENISON COAL LIMITED
CALGARY ALBERTA

PR-Quintette 76(2)B.

ROMAN MOUNTAIN

CROSS SECTION R76 19

DRAWN BY: J.W.K.	DATE: SEPT., 76	SCALE. 1:2500
APPROVED BY:	DRAWING NO: QNTT76-0674-R01	



QUINTETTE COAL LIMITED

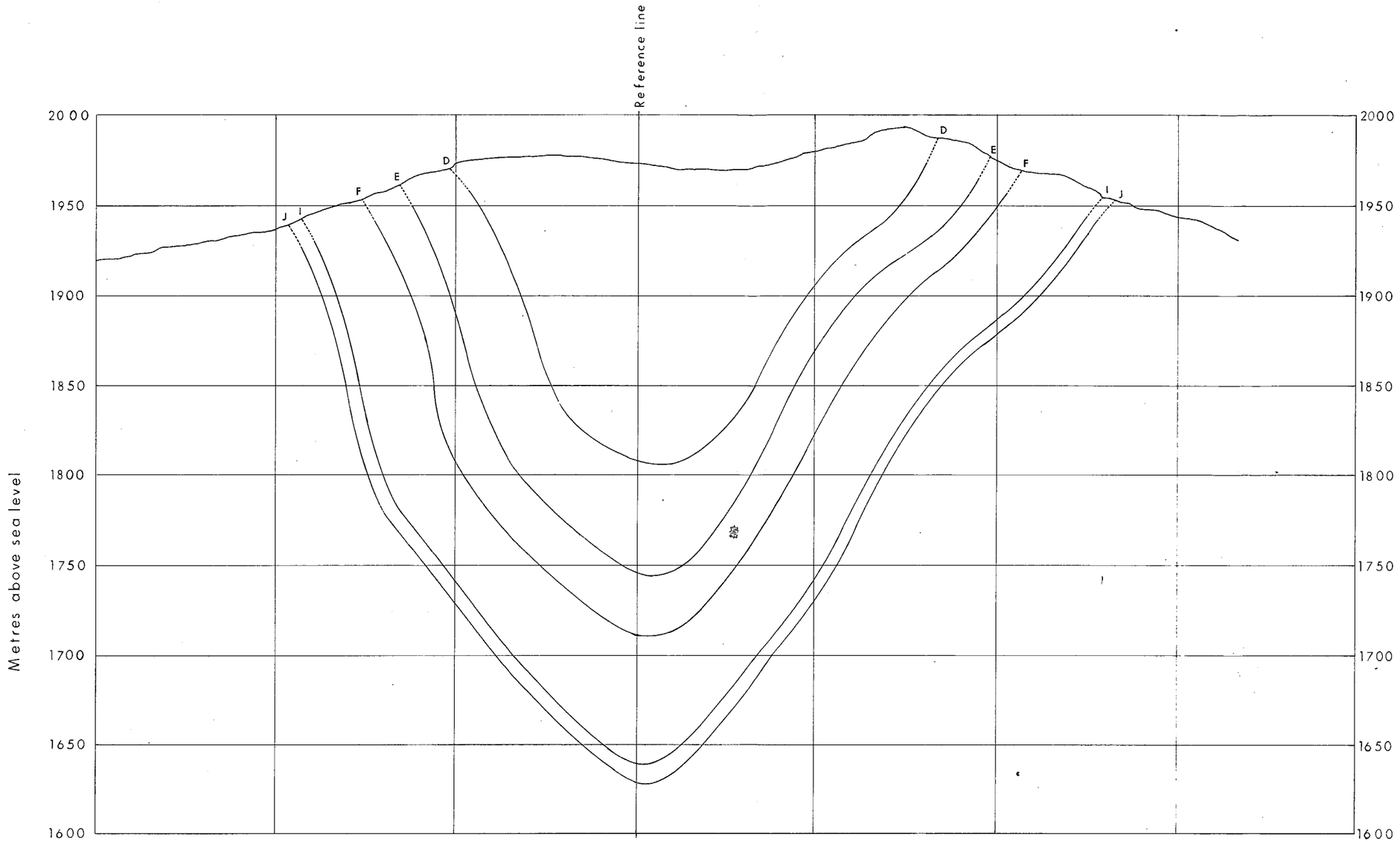
PREPARED BY:
DENISON COAL LIMITED
CALGARY ALBERTA

PR-Quintette-76(2)B.

ROMAN MOUNTAIN

CROSS SECTION R7620

DRAWN BY: J.W.K.	DATE: SEPT., 76	SCALE: 1:2500
APPROVED BY:	DRAWING NO: QNTT76-0674-R01	



QUINTETTE COAL LIMITED

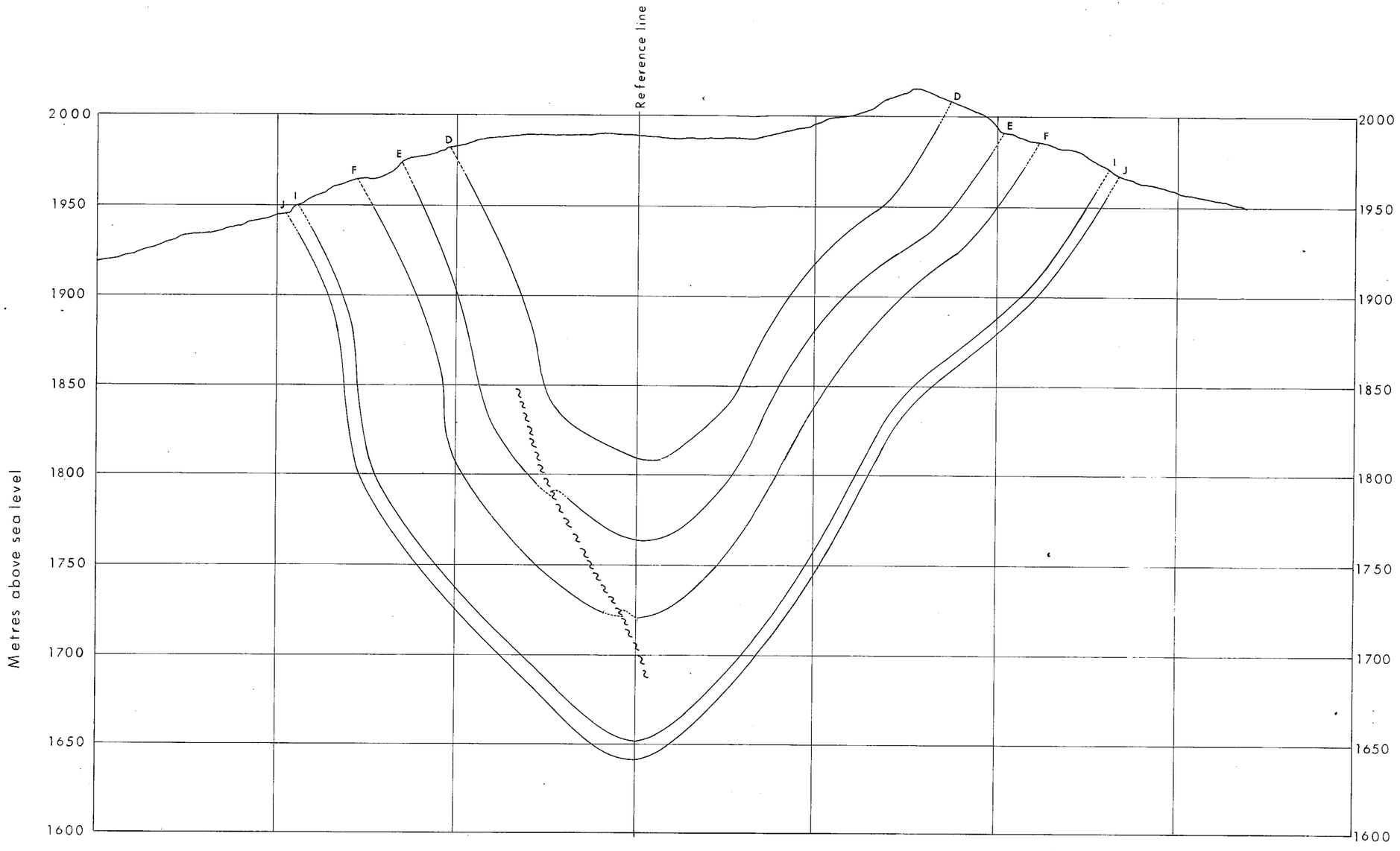
PREPARED BY:
DENISON COAL LIMITED
CALGARY ALBERTA

PR - Quintette 76(2) B.

ROMAN MOUNTAIN

CROSS SECTION R7621

DRAWN BY: J.W.K.	DATE: SEPT., 76	SCALE: 1:2500
APPROVED BY:	DRAWING NO: QNTT76-0674-R01	



QUINTETTE COAL LIMITED

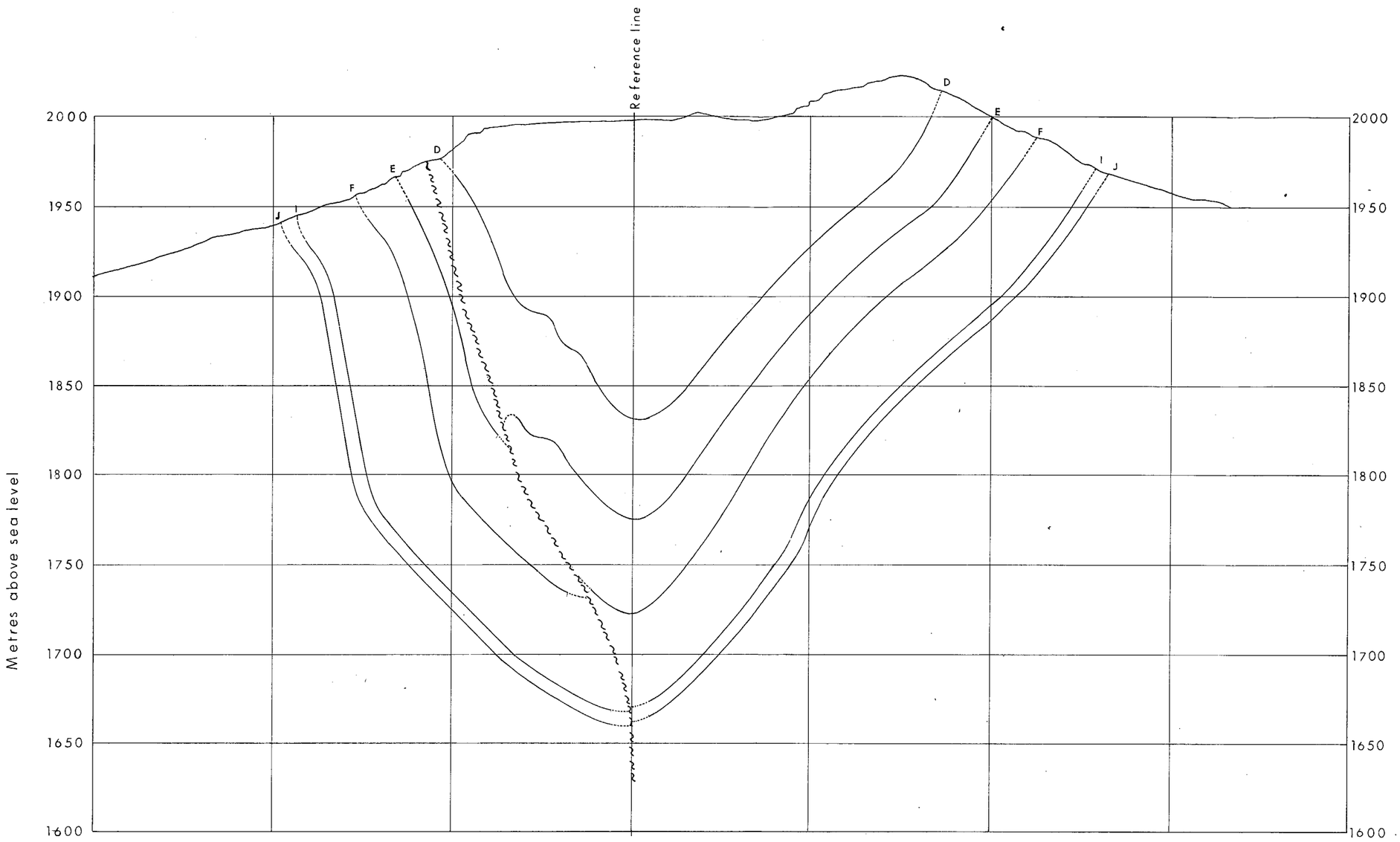
PREPARED BY:
DENISON COAL LIMITED
CALGARY ALBERTA

PR-Quintette 76(2) B.

ROMAN MOUNTAIN

CROSS SECTION R7622

DRAWN BY: J.W.K.	DATE: SEPT., 76	SCALE: 1:2500
APPROVED BY:	DRAWING NO: QNTT76-0674-R01	



QUINTETTE COAL LIMITED

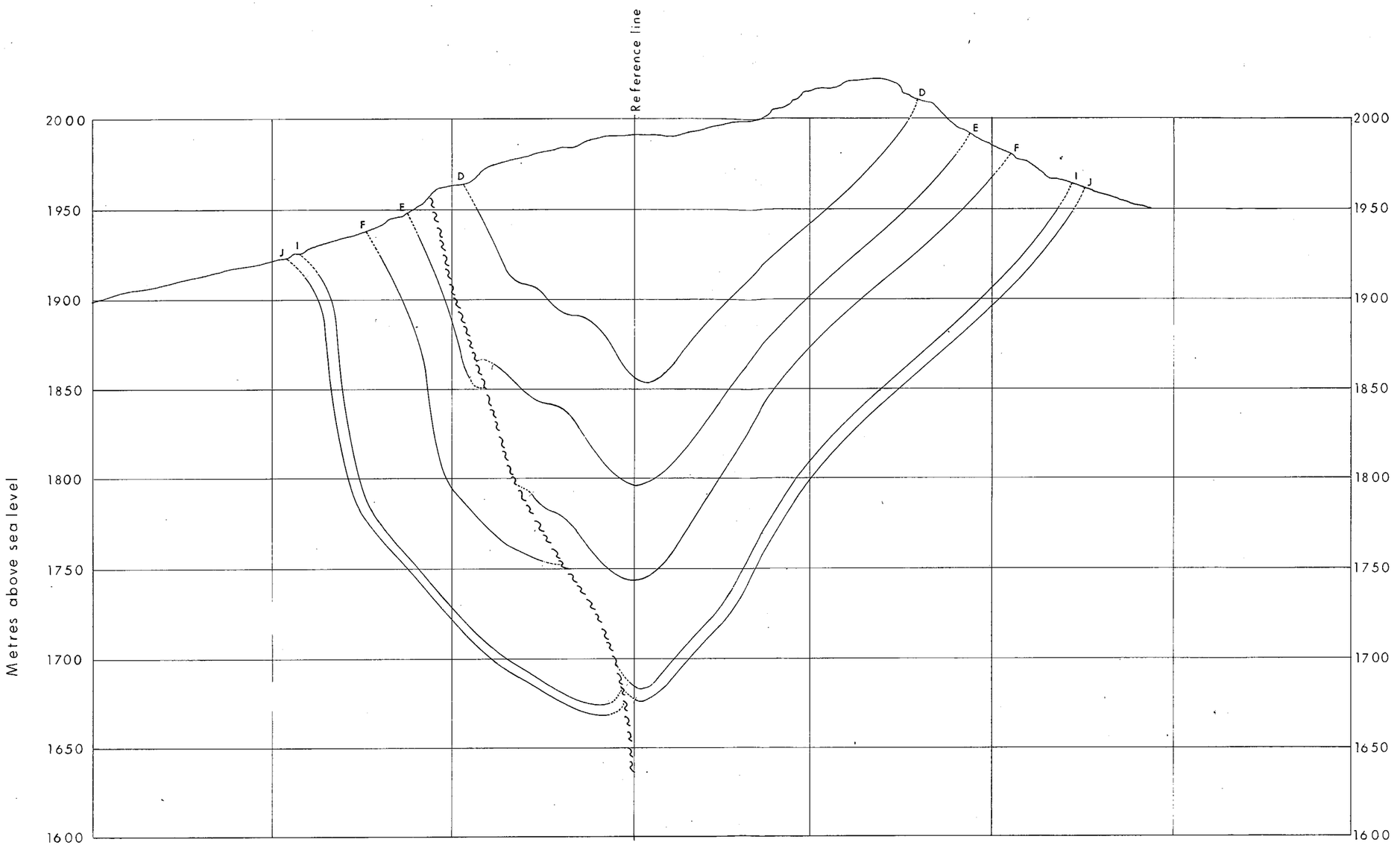
PREPARED BY:
DENISON COAL LIMITED
CALGARY ALBERTA

PR-Quintette 76(2) B.

ROMAN MOUNTAIN

CROSS SECTION R7623

DRAWN BY: J.W.K.	DATE: SEPT., 76	SCALE: 1:2500
APPROVED BY:	DRAWING NO: QNTT76-0674-R01	



QUINTETTE COAL LIMITED

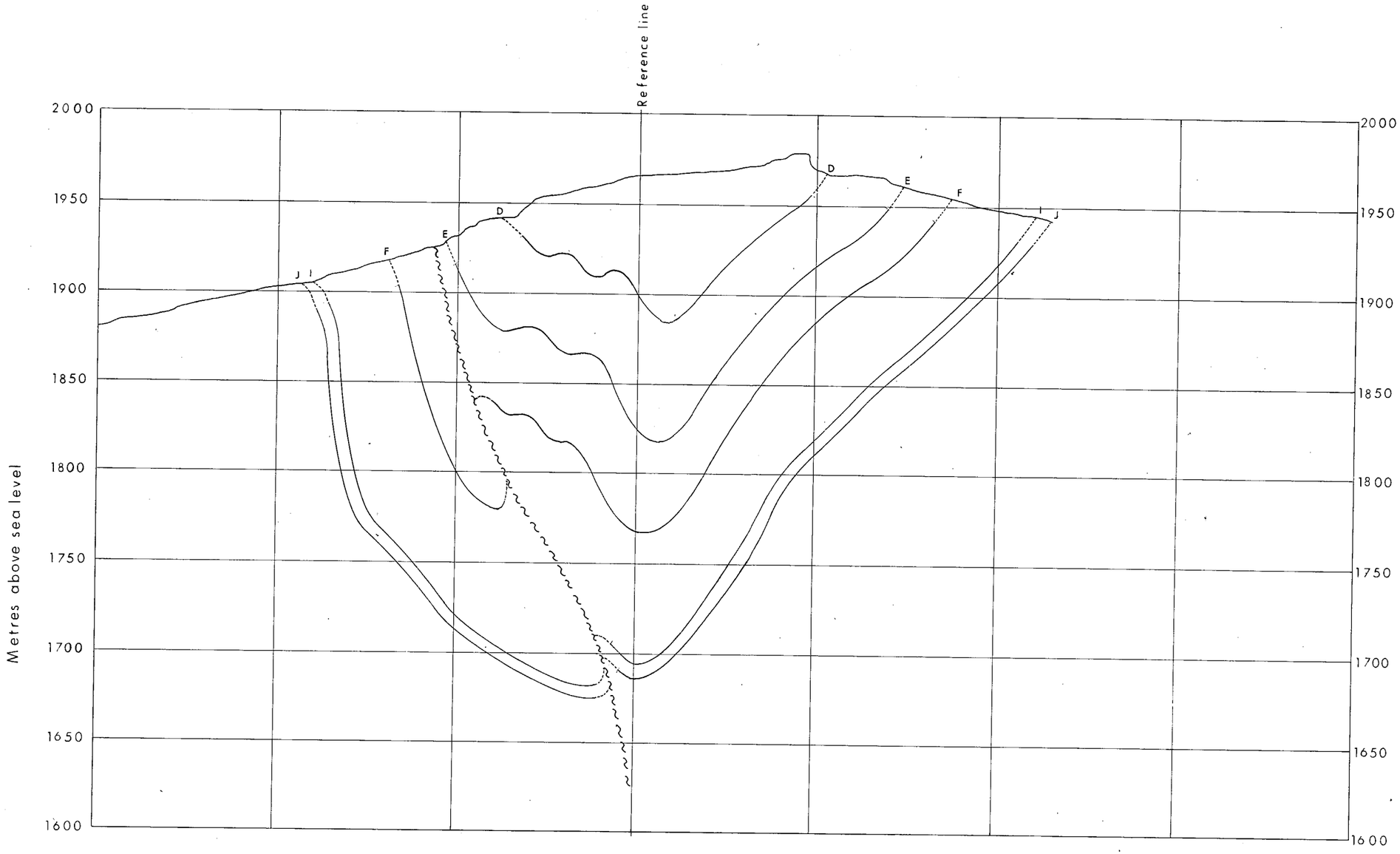
PREPARED BY:
DENISON COAL LIMITED
CALGARY ALBERTA

PR-Quintette 76(2)B.

ROMAN MOUNTAIN

CROSS SECTION R7624

DRAWN BY: J.W.K.	DATE: SEPT., 76	SCALE: 1:2500
APPROVED BY:	DRAWING NO: QNTT76-0674-R01	



QUINTETTE COAL LIMITED

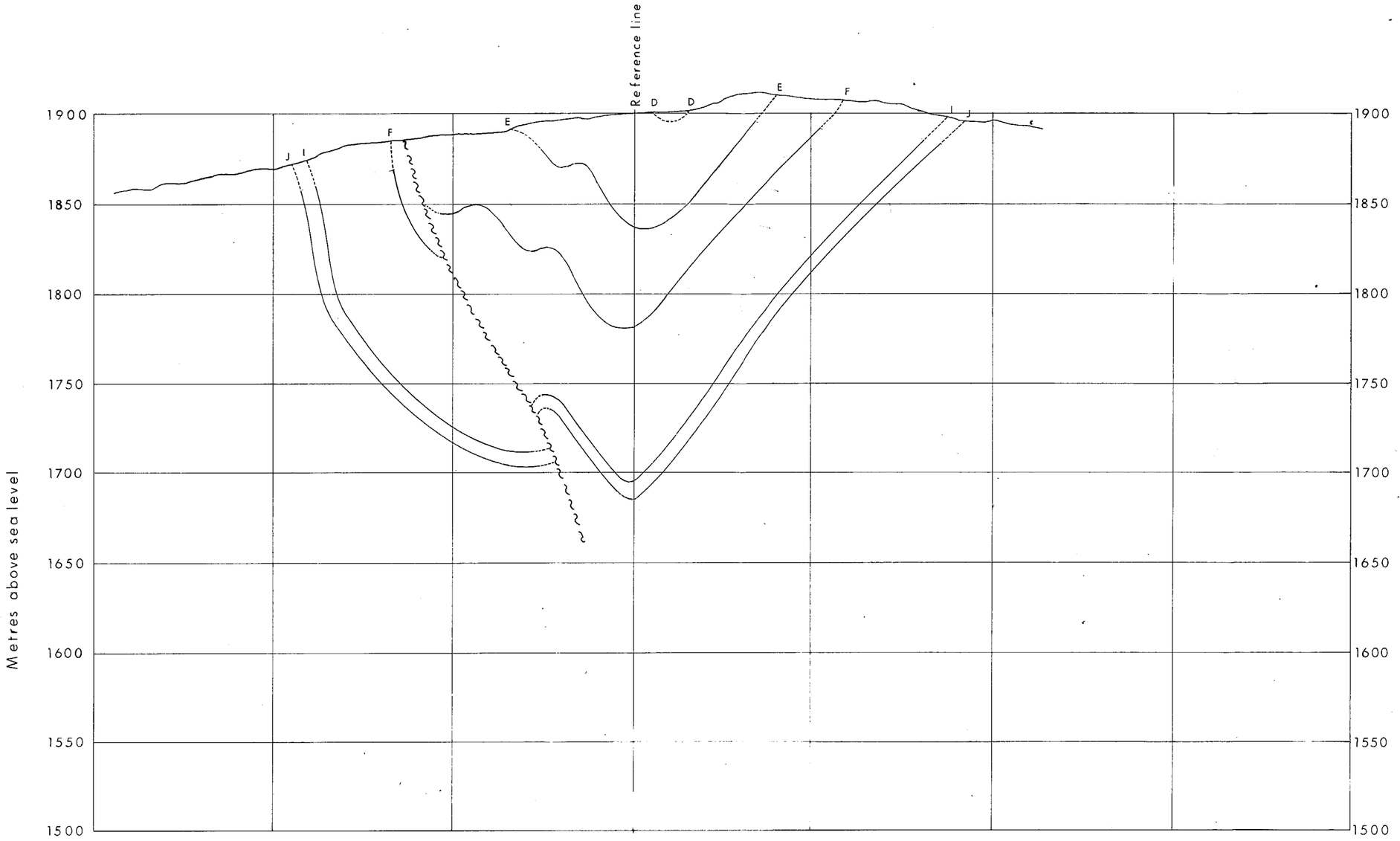
PREPARED BY:
DENISON COAL LIMITED
CALGARY ALBERTA

PR-Quintette 76(2)B

ROMAN MOUNTAIN

CROSS SECTION R7625

DRAWN BY: J.W.K.	DATE: SEPT., 76	SCALE: 1:2500
APPROVED BY:	DRAWING NO: QNTT 76-06.74-R01	



QUINTETTE COAL LIMITED

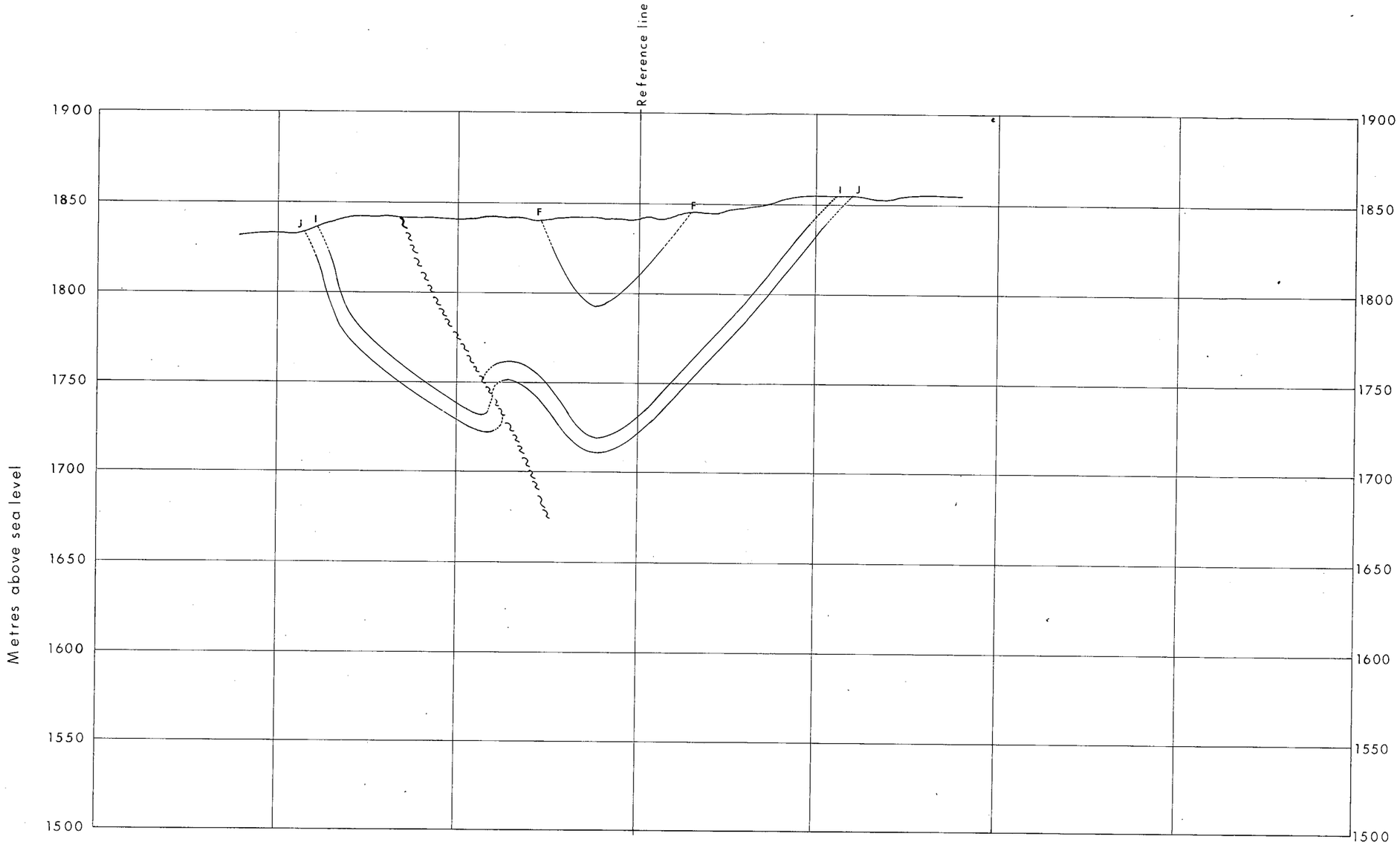
PREPARED BY:
DENISON COAL LIMITED
CALGARY ALBERTA

PR-Quintette 76 (27) B.

ROMAN MOUNTAIN

CROSS SECTION R7626

DRAWN BY:	DATE:	SCALE:
APPROVED BY:	DRAWING NO:	



QUINTETTE COAL LIMITED

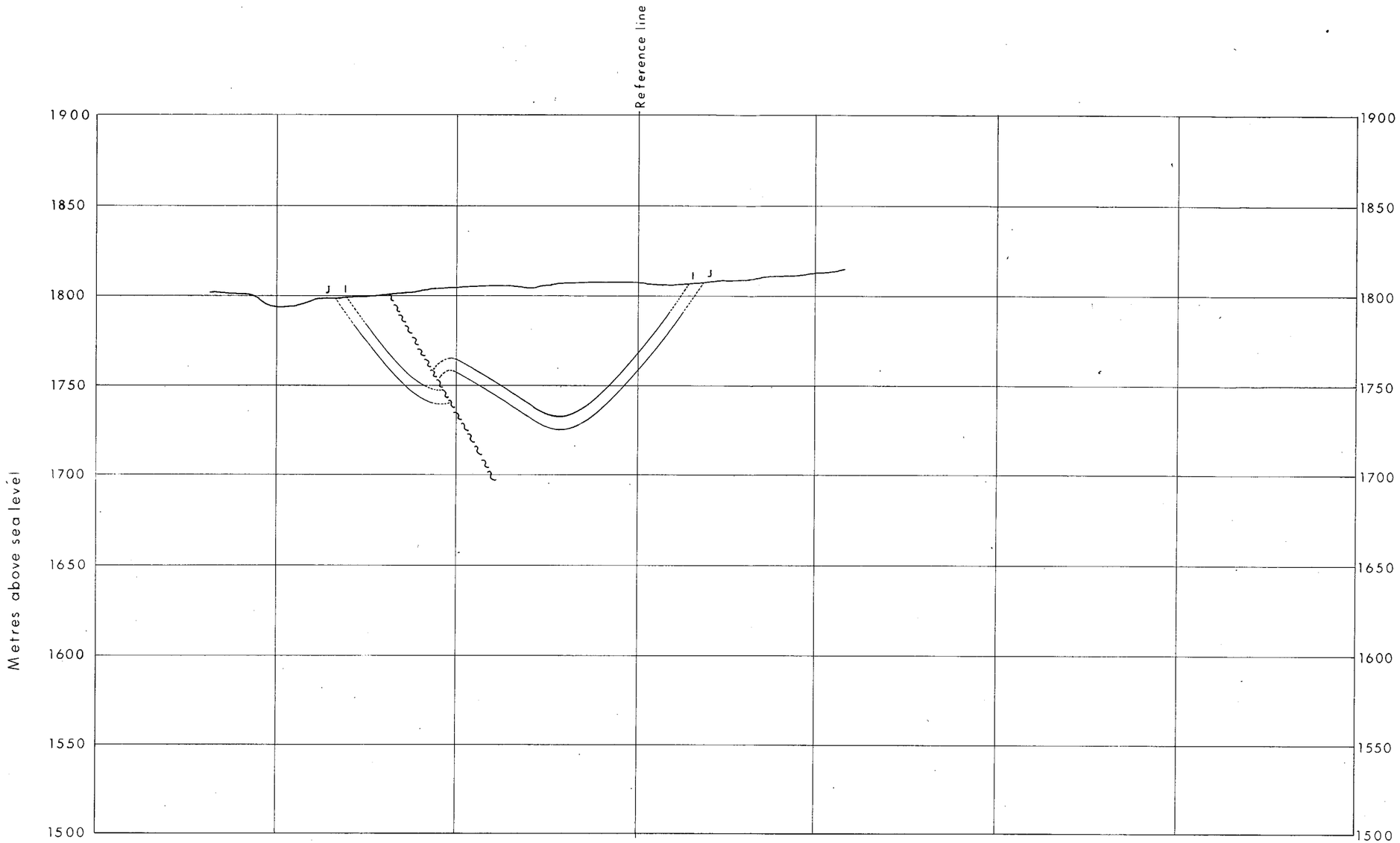
PREPARED BY:
DENISON COAL LIMITED
CALGARY ALBERTA

PR-Quintette 76(2)B

ROMAN MOUNTAIN

CROSS SECTION R7627

DRAWN BY: J.W.K.	DATE: SEPT., 76	SCALE: 1:2500
APPROVED BY:	DRAWING NO: QNTT76-0674-R01	



QUINTETTE COAL LIMITED

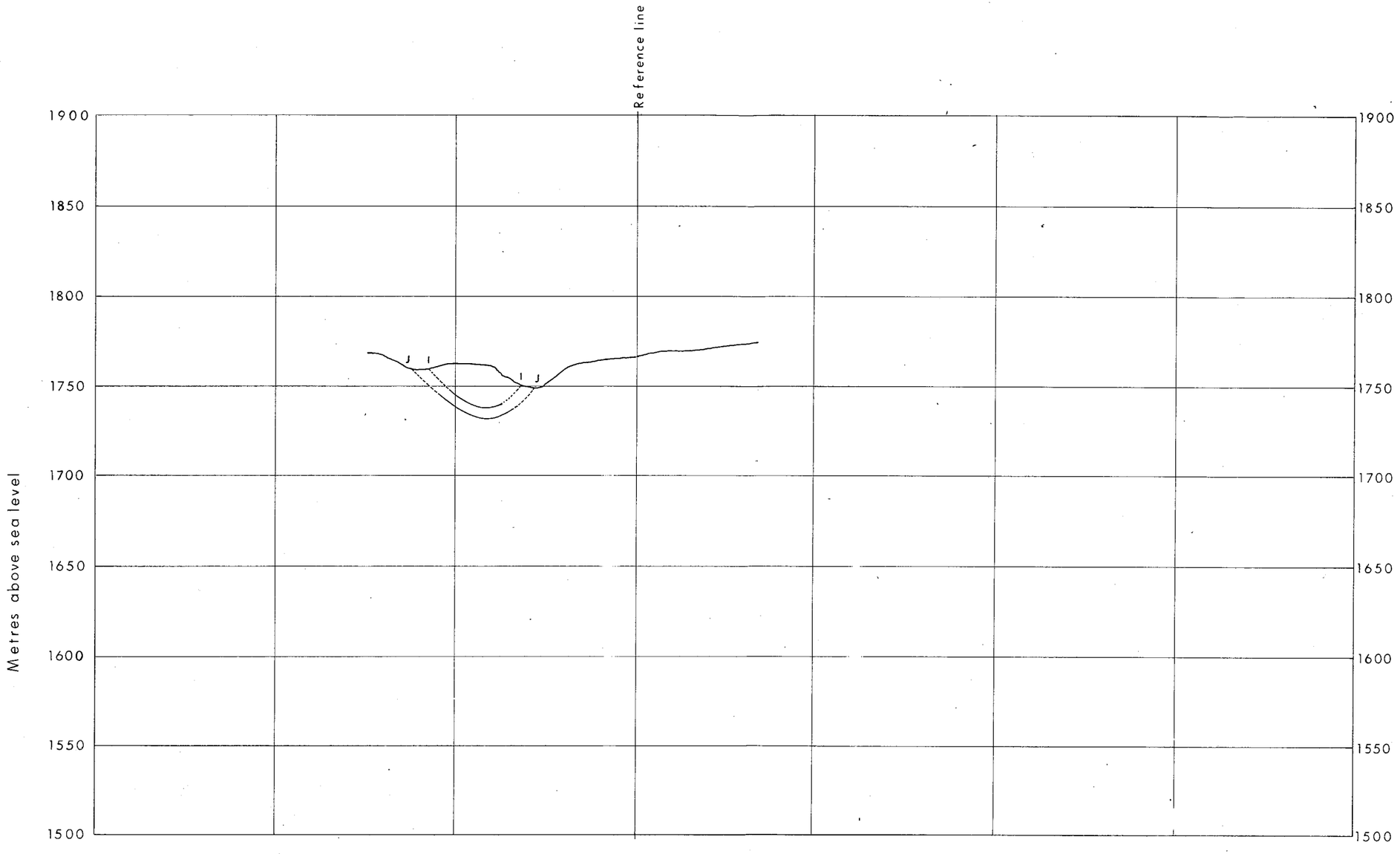
PREPARED BY:
DENISON COAL LIMITED
CALGARY ALBERTA

PR-Quintette 76(2)B:

ROMAN MOUNTAIN

CROSS SECTION R7628

DRAWN BY: J.W.K.	DATE: SEPT., 76	SCALE: 1:2500
APPROVED BY:	DRAWING NO: QNTT76-0674-R01	



QUINTETTE COAL LIMITED

PREPARED BY:
DENISON COAL LIMITED
CALGARY ALBERTA

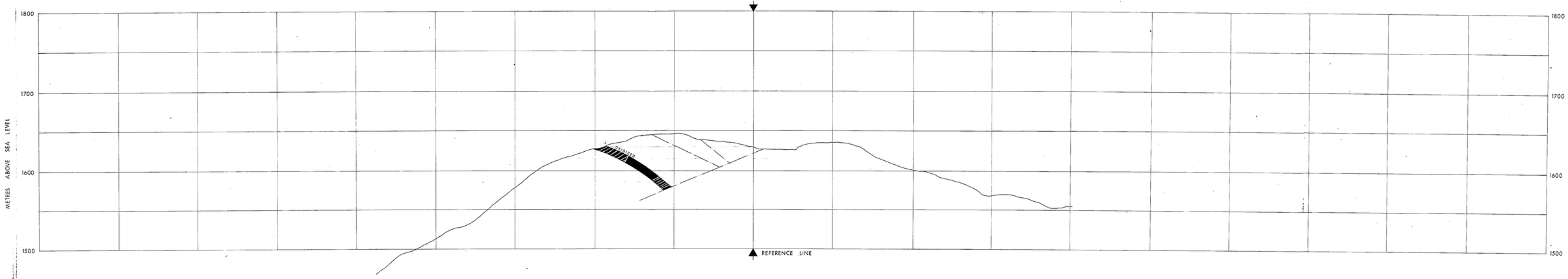
PR-Quintette 76(2)B.

ROMAN MOUNTAIN

CROSS SECTION R7629

DRAWN BY: J.W.K.	DATE: SEPT., 76	SCALE: 1:2500
APPROVED BY:	DRAWING NO: QNTT 76-0674-R01	

Sheriff
Cross section.
ST604 - ST626.



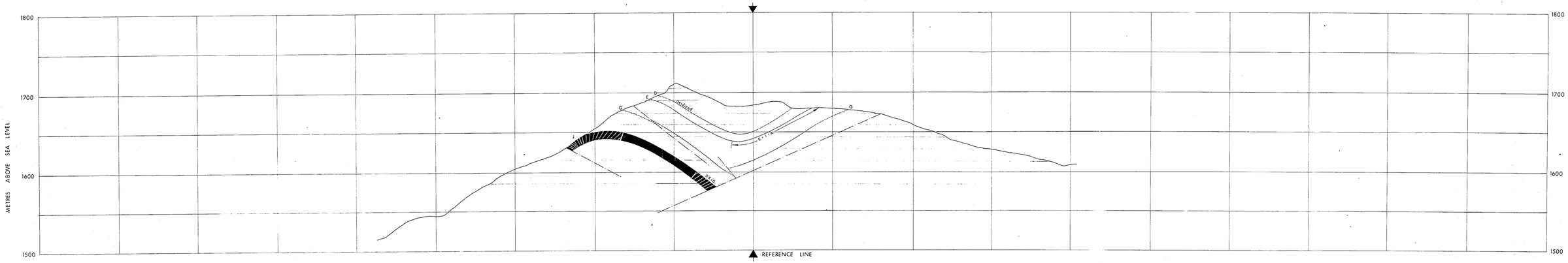
QUINTETTE COAL LIMITED

PREPARED BY:
DENISON COAL LIMITED
CALGARY ALBERTA

PR-Quintette 76(2)B

SHERIFF CROSS SECTION Nº S7604

DRAWN BY J.W.K	DATE SEPT. 76	SCALE 1:2500
APPROVED BY	DRAWING NO QNTT76-0678-R01	



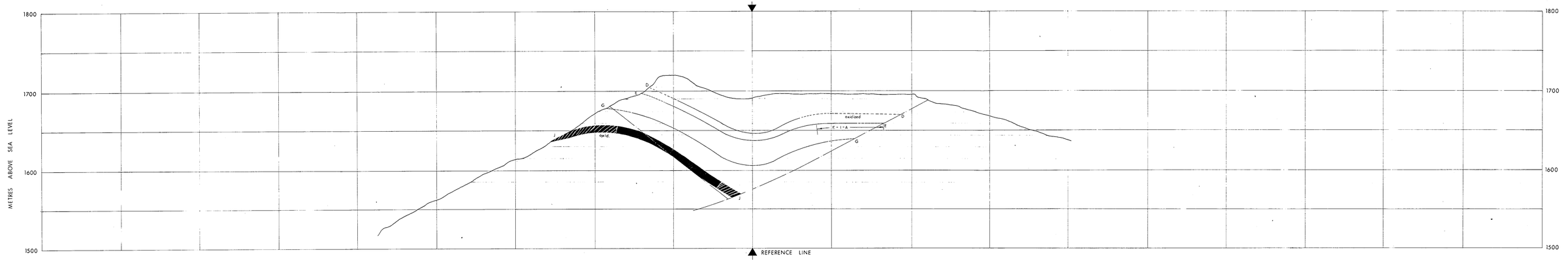
QUINTETTE COAL LIMITED

PREPARED BY:
DENISON COAL LIMITED
CALGARY ALBERTA

PR-Quintette 76(2)B.

SHERIFF CROSS SECTION Nº S7605

DRAWN BY J.W.K.	DATE SEPT. 76	SCALE 1:2500
APPROVED BY	DRAWING NO. QNTT76-0678-R01	



QUINTETTE COAL LIMITED

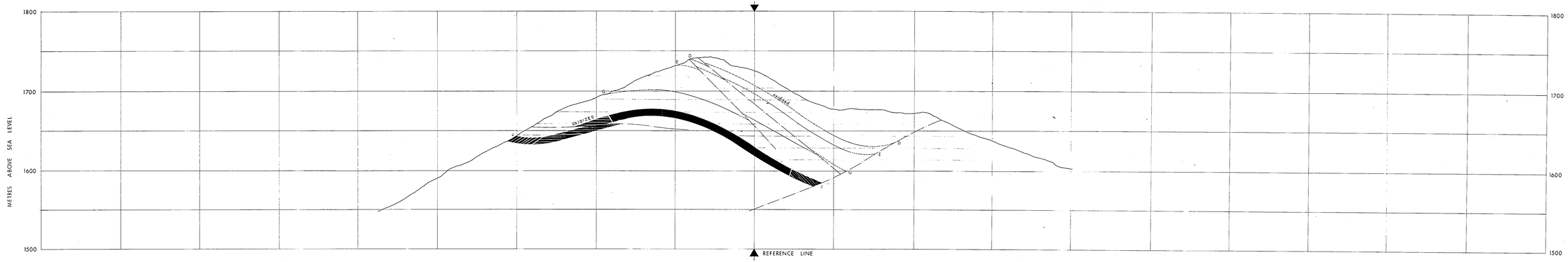
PREPARED BY:
DENISON COAL LIMITED
CALGARY ALBERTA

PK-Quintette 76 (2) B

SHERIFF CROSS SECTION Nº. S7606

DRAWN BY J.W.A.	DATE SEPT. 76	SCALE 1:2500
APPROVED BY	DRAWING NO QNTT76-0678-R01	

QUINTETTE COAL LIMITED		
PREPARED BY: DENISON COAL LIMITED, CALGARY, ALBERTA		
PR-Quintette 76(2)B		
SHERIFF CROSS SECTION Nº S7607		
DRAWN BY J.W.K.	DATE SEPT. 76	SCALE 1:2500
APPROVED BY	DRAWING NO. QNTT 76-0678-R01	



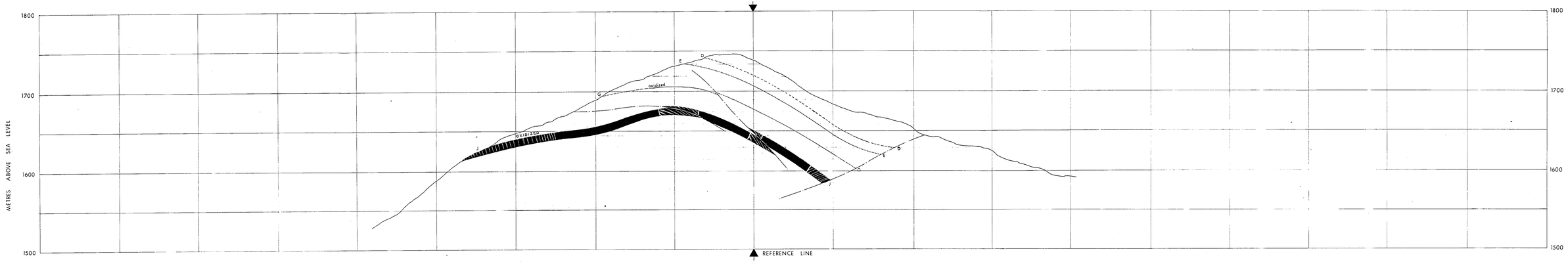
QUINTETTE COAL LIMITED

PREPARED BY:
DENISON COAL LIMITED
CALGARY ALBERTA

PR-Quintette 76(2)B

SHERIFF CROSS SECTION Nº S7608

DRAWN BY J.W.K.	DATE SEPT. 76	SCALE 1:2500
APPROVED BY	DRAWING NO QNTT76-0678-R01	



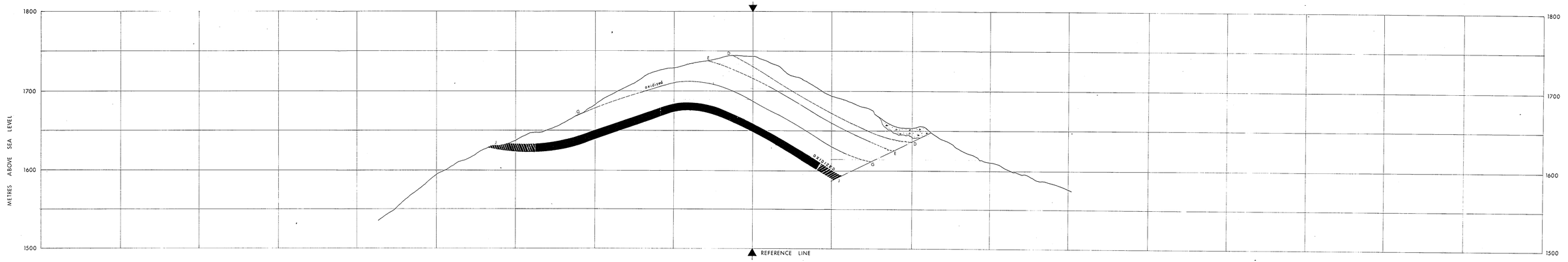
QUINTETTE COAL LIMITED

PREPARED BY
DENISON COAL LIMITED
CALGARY ALBERTA

PR-Quintette 76(2)B

SHERIFF CROSS SECTION Nº S7609

DRAWN BY J.V.K.	DATE SEPT 76	SCALE 1:2500
APPROVED BY	DRAWING NO QNTT76-0678-R01	



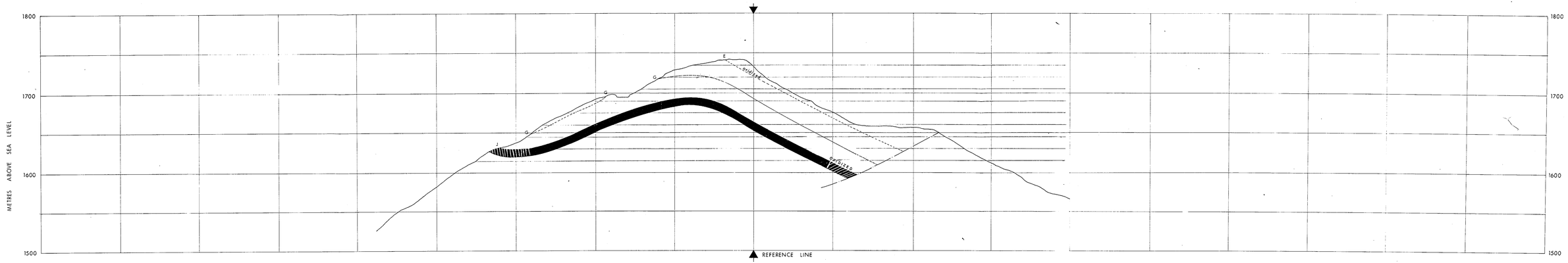
QUINTETTE COAL LIMITED

PREPARED BY:
DENISON COAL LIMITED
CALGARY ALBERTA

PR-Quintette 76(2)B

SHERIFF CROSS SECTION Nº S7610

DRAWN BY J.W.K	DATE SEPT 76	SCALE 1:2500
APPROVED BY	DRAWING NO QNTT76-0678-R01	



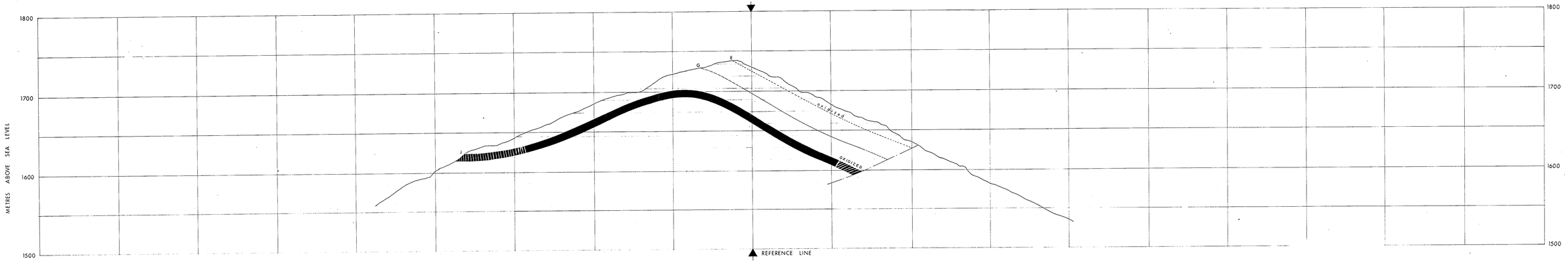
QUINTETTE COAL LIMITED

PREPARED BY:
DENISON COAL LIMITED
CALGARY ALBERTA

PR-Quintette 76(2)B

SHERIFF CROSS SECTION Nº S7611

DRAWN BY J. W. K.	DATE SEPT 76	SCALE 1:2500
APPROVED BY	DRAWING NO QNTT76-0678-R01	



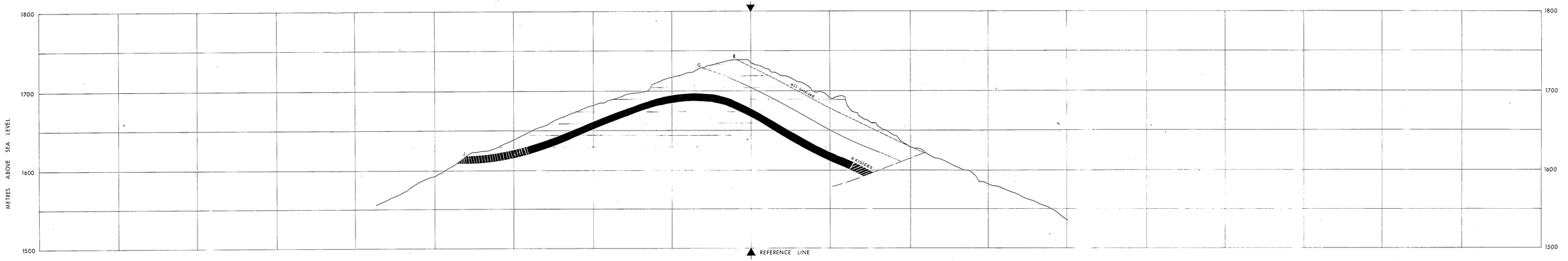
QUINTETTE COAL LIMITED

PREPARED BY:
DENISON COAL LIMITED
CALGARY ALBERTA

PR-Quintette 76(2)B

SHERIFF CROSS SECTION No. S7612

DRAWN BY J.W.K	DATE SEPT. 76	SCALE 1:2500
APPROVED BY	DRAWING NO QNTT76-0678-R01	



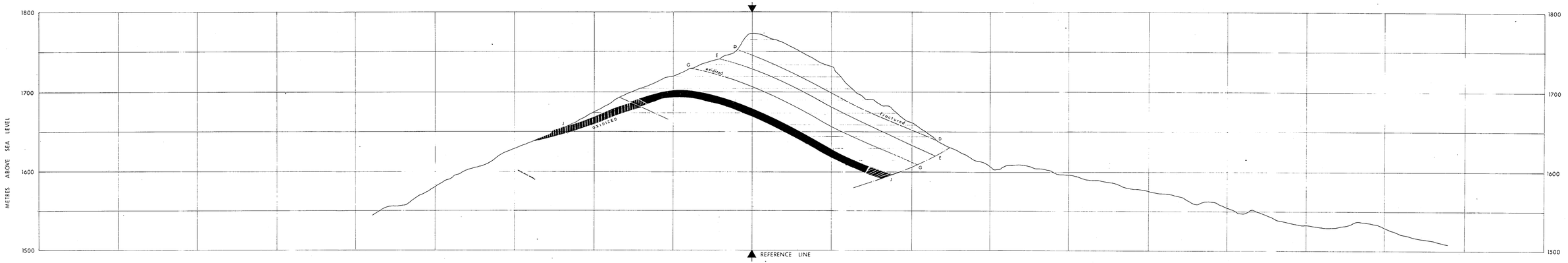
QUINTETTE COAL LIMITED

PREPARED BY:
DENISON COAL LIMITED
CALGARY ALBERTA

PR-Quintette 76(2)B

SHERIFF CROSS SECTION Nº S7613

DRAWN BY J.W.K	DATE SEPT 76	SCALE 1:2500
APPROVED BY	DRAWING NO QNT.76-0678-R01	



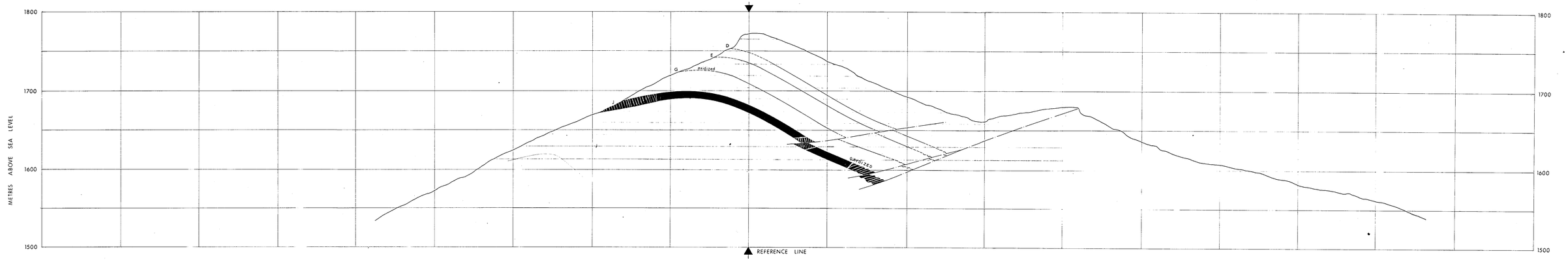
QUINTETTE COAL LIMITED

PREPARED BY:
DENISON COAL LIMITED
CALGARY ALBERTA

PR-Quintette 76(2)D

SHERIFF CROSS SECTION Nº S7614

DRAWN BY J.W.K.	DATE SEPT. 76	SCALE 1:2500
APPROVED BY	DRAWING NO. QNTT76-0678-R01	



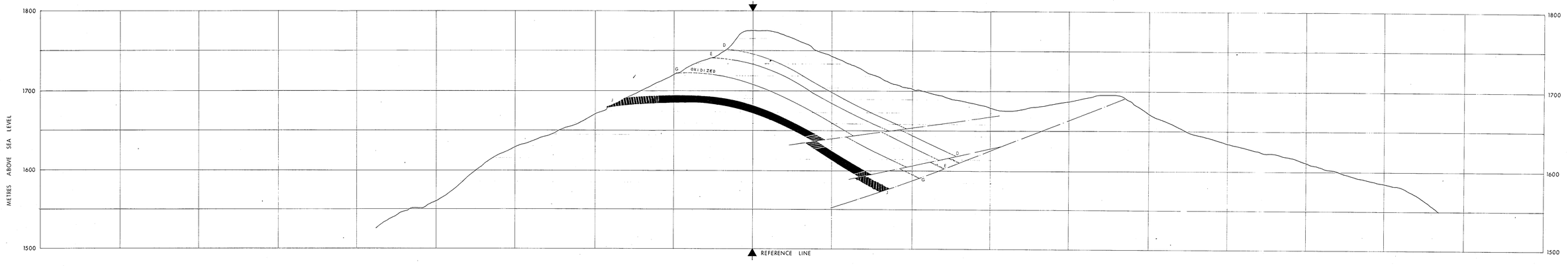
QUINTETTE COAL LIMITED

PREPARED BY:
DENISON COAL LIMITED
CALGARY ALBERTA

PR-Quintette76(2)B

SHERIFF CROSS SECTION N^R S7615

DRAWN BY J.W.K	DATE SEPT. 76	SCALE 1:2500
APPROVED BY	DRAWING NO QNT176-0678-R01	



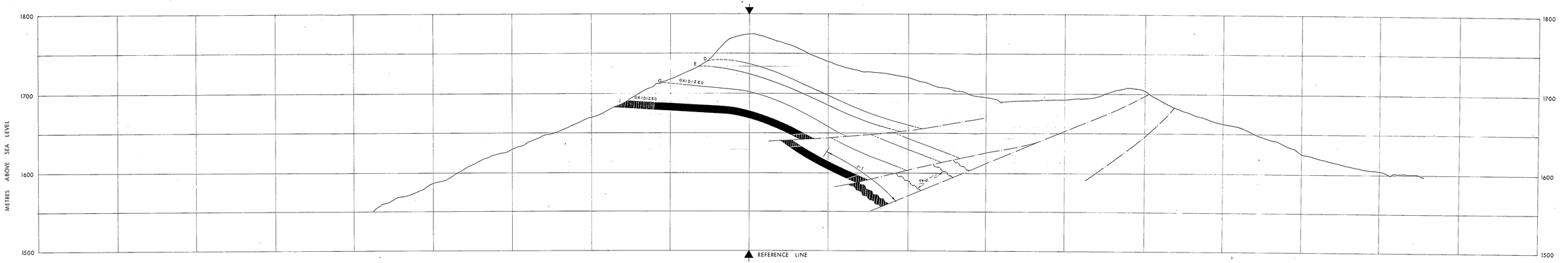
QUINTETTE COAL LIMITED

PREPARED BY:
DENISON COAL LIMITED
CALGARY ALBERTA

Pre-Quintette 76(2)B

SHERIFF CROSS SECTION Nº S7616

DRAWN BY J.W.K.	DATE SEPT 76	SCALE 1:2500
APPROVED BY	DRAWING NO. QNTT76-0678-R01	



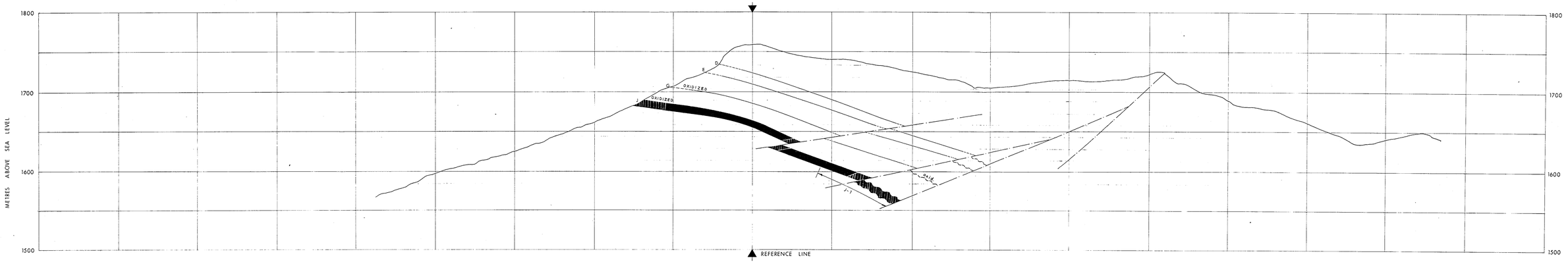
QUINTETTE COAL LIMITED

PREPARED BY:
DENISON COAL LIMITED
CALGARY ALBERTA

PR-Quintette 76(2)B

SHERIFF CROSS SECTION Nº S7617

DRAWN BY J.W.K	DATE SEPT. 76	SCALE 1:2500
APPROVED BY	DRAWING NO QNTT 76-0678-R01	



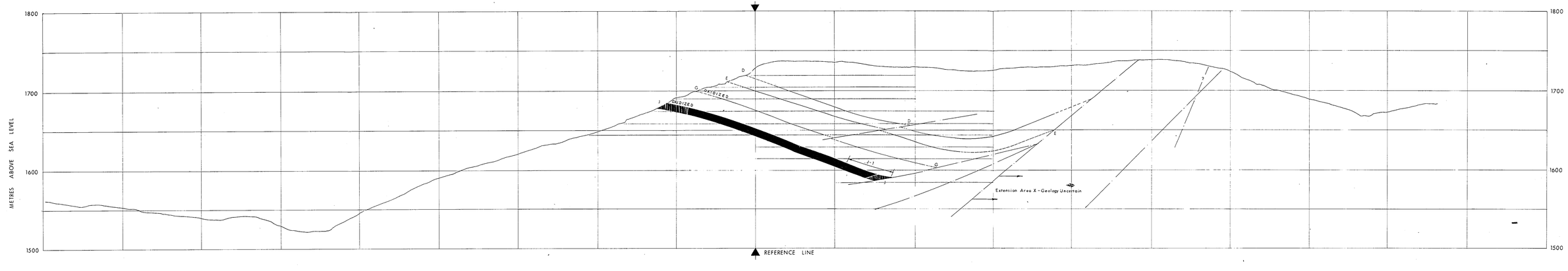
QUINTETTE COAL LIMITED

PREPARED BY:
DENISON COAL LIMITED
CALGARY ALBERTA

PR Quintette 76(2)B

SHERIFF CROSS SECTION Nº S7618

DRAWN BY J.W.K	DATE SEPT 76	SCALE 1:2500
APPROVED BY	DRAWING NO QNTT76-0678-R01	



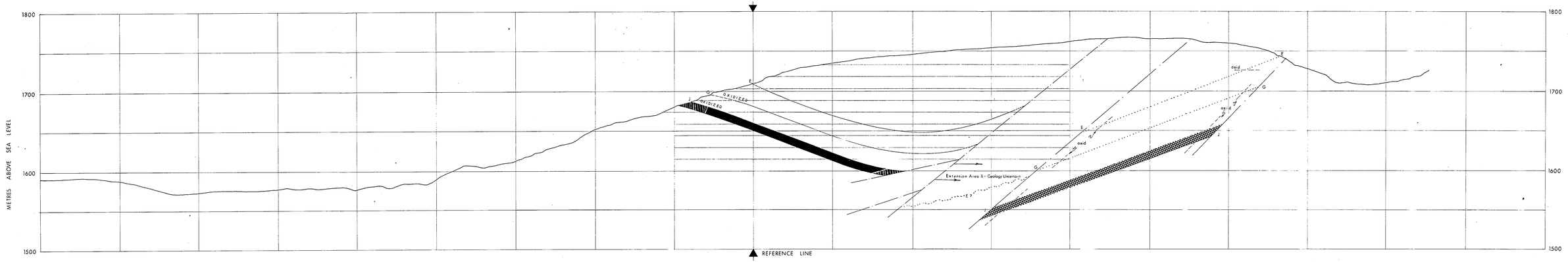
QUINTETTE COAL LIMITED

PREPARED BY:
DENISON COAL LIMITED
CALGARY ALBERTA

PR-Quintette 76(2)B

SHERIFF CROSS SECTION Nº S7619

DRAWN BY J.W.K.	DATE SEPT 76	SCALE 1:2500
APPROVED BY	DRAWING NO. QNTT76-0678-R01	



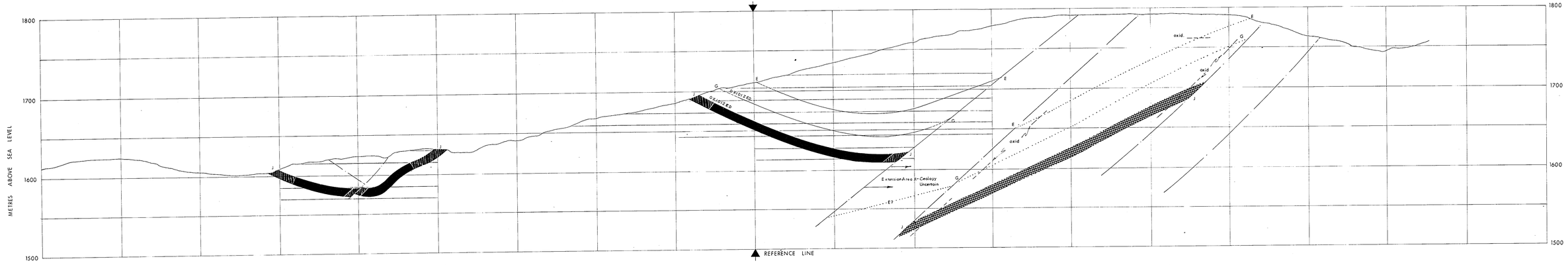
QUINTETTE COAL LIMITED

PREPARED BY:
DENISON COAL LIMITED
CALGARY ALBERTA

PR-Quintette 76(2)B.

SHERIFF CROSS SECTION Nº S7620

DRAWN BY J.W.K	DATE SEPT 76	SCALE 1:2500
APPROVED BY	DRAWING NO QNTT76-0678-R01	



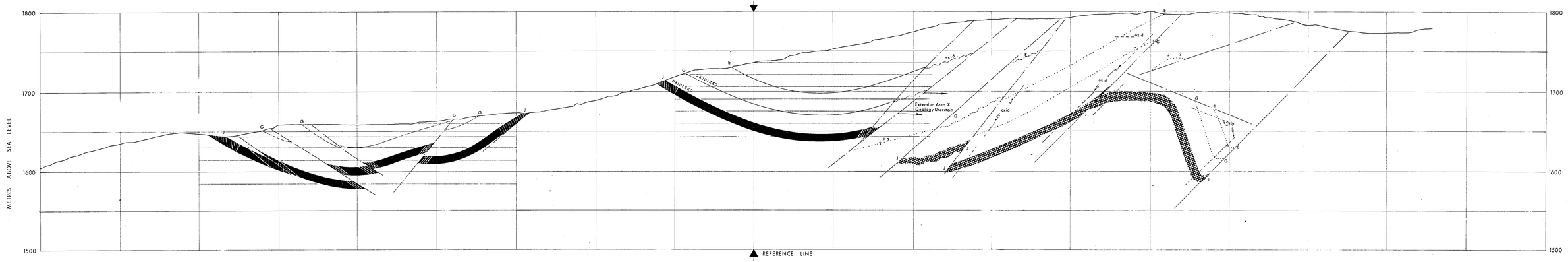
QUINTETTE COAL LIMITED

PREPARED BY:
DENISON COAL LIMITED
CALGARY ALBERTA

PR-Quintette 76(2)B.

SHERIFF CROSS SECTION N° S 7621

DRAWN BY J W K	DATE SEPT 76	SCALE 1 2500
APPROVED BY	DRAWING NO QNT 76-0678-R01	



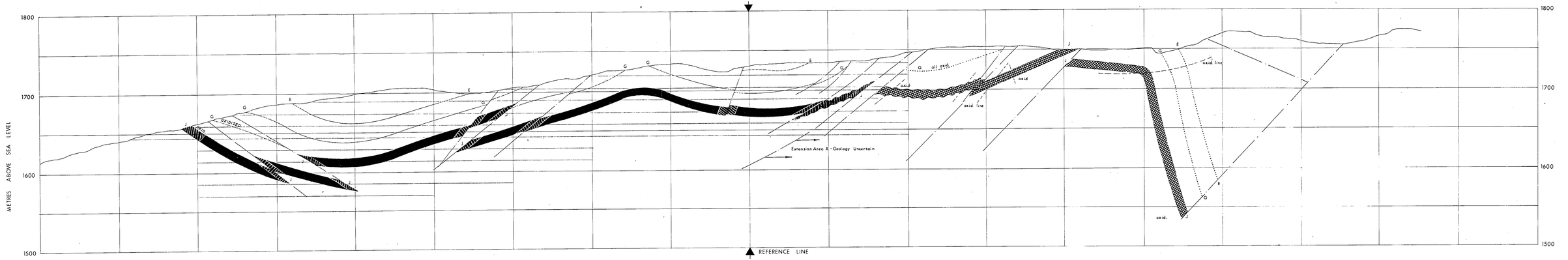
QUINTETTE COAL LIMITED

PREPARED BY
DENISON COAL LIMITED
CALGARY ALBERTA

PR-Quintette 76(2)B

SHERIFF CROSS SECTION Nº S7622

DRAWN BY J.W.K.	DATE SEPT 76	SCALE 1:2500
APPROVED BY	DRAWING NO QNTT76-0678-R01	



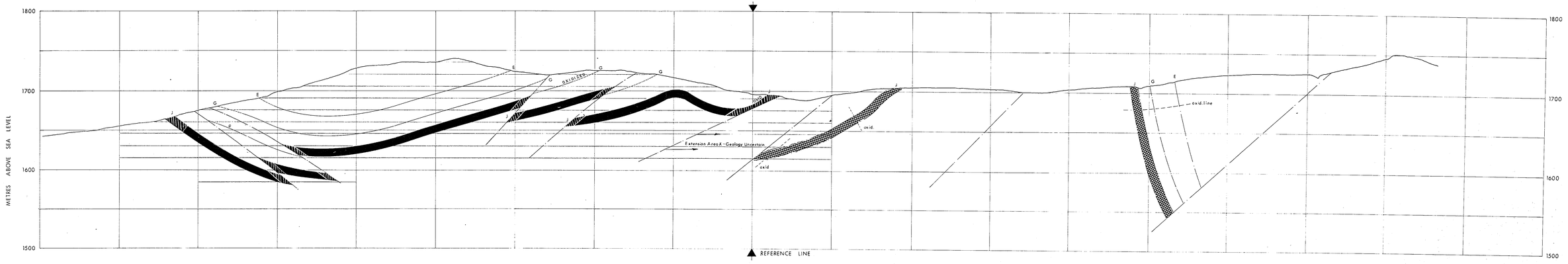
QUINTETTE COAL LIMITED

PREPARED BY:
DENISON COAL LIMITED
CALGARY ALBERTA

PR-Quintette 76(2)B

SHERIFF CROSS SECTION Nº S7623

DRAWN BY J.W.K	DATE SEPT 76	SCALE 1:2500
APPROVED BY	DRAWING NO QNTT76-0678-R01	



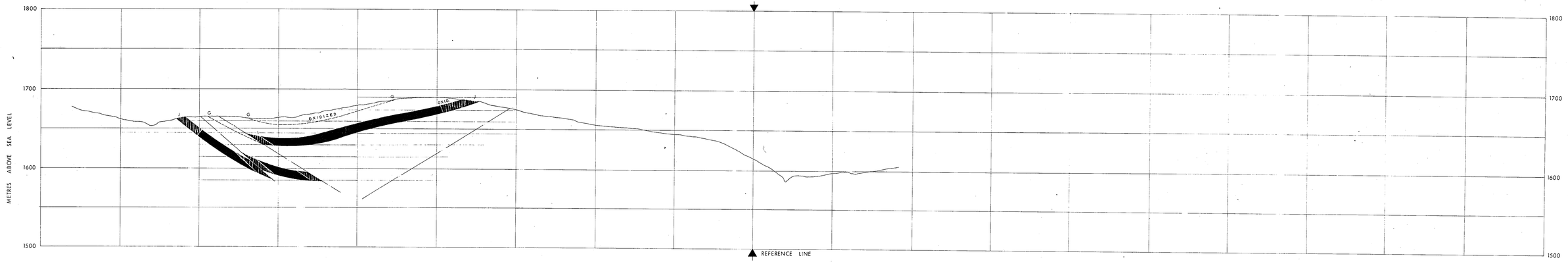
QUINTETTE COAL LIMITED

PREPARED BY:
DENISON COAL LIMITED
CALGARY ALBERTA

PR-Quintette 76(2)B

SHERIFF CROSS SECTION Nº S7624

DRAWN BY J.A.K.	DATE SEPT 76	SCALE 1:2500
APPROVED BY	DRAWING NO QNTT76-0678-R01	



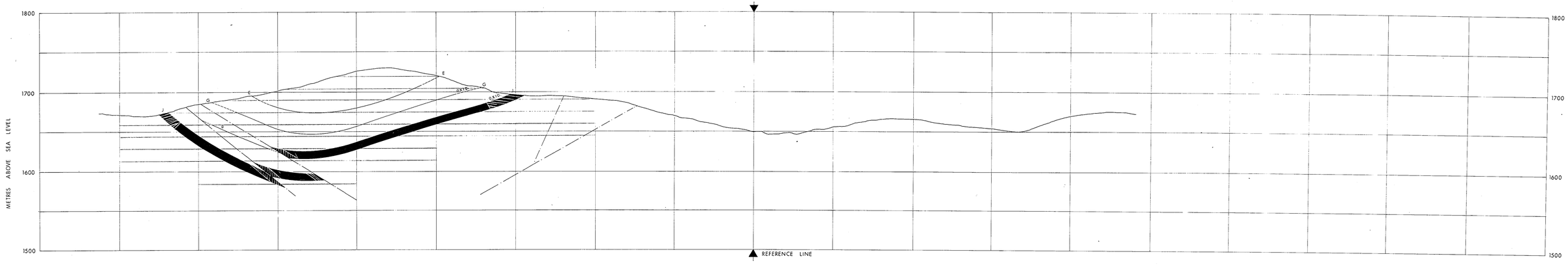
QUINTETTE COAL LIMITED

PREPARED BY
DENISON COAL LIMITED
CALGARY ALBERTA

PR - Quintette 76(2)B

SHERIFF CROSS SECTION Nº S7626

DRAWN BY J. W. K.	DATE SEPT 76	SCALE 1:2500
APPROVED BY	DRAWING NO QNTT76-0678-R01	



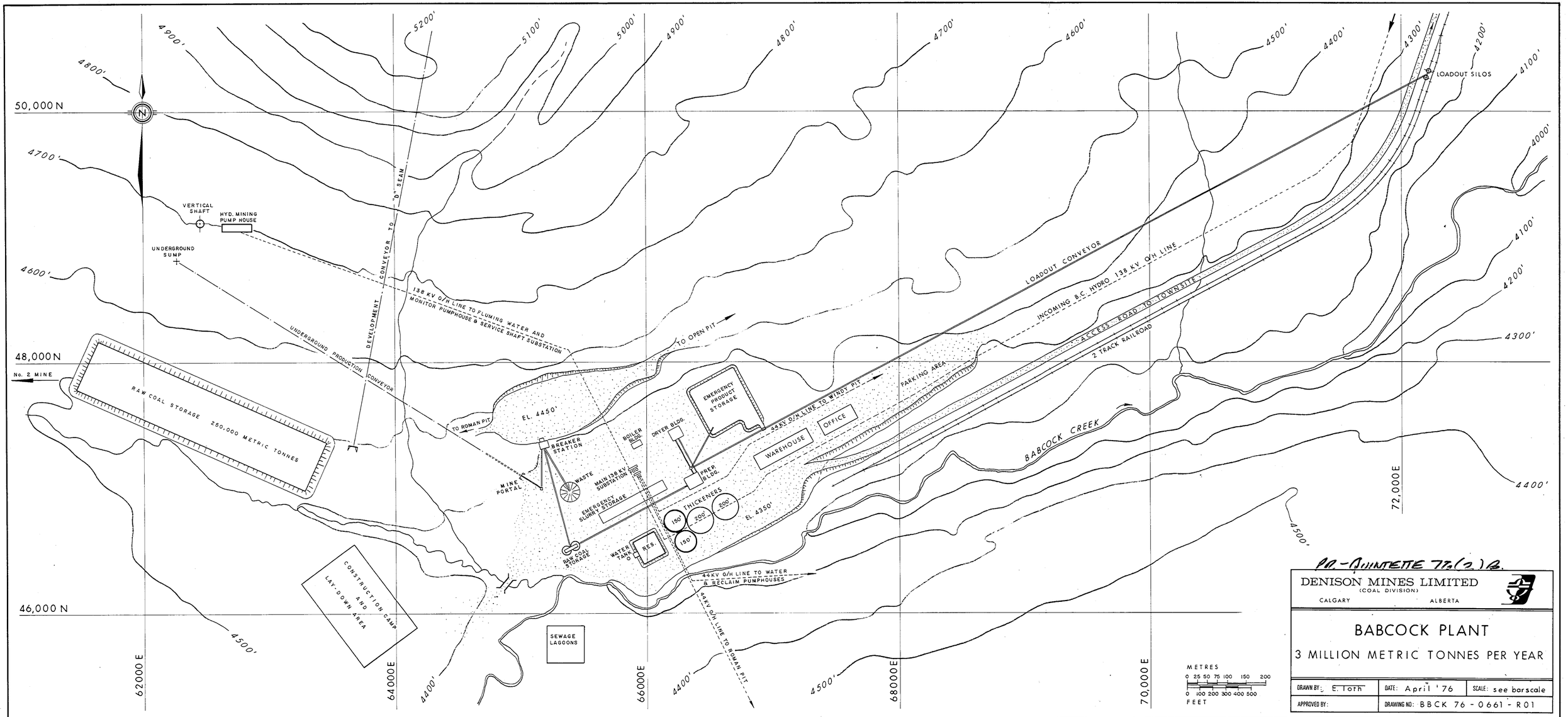
QUINTETTE COAL LIMITED

PREPARED BY:
DENISON COAL LIMITED
CALGARY ALBERTA

PR-Quintette 76(2)B.

SHERIFF CROSS SECTION Nº S7625

DRAWN BY J.W.K.	DATE SEPT. 76	SCALE 1:2500
APPROVED BY	DRAWING NO QNTT76-0678-R01	



PA - Ajintette 77(2)B.

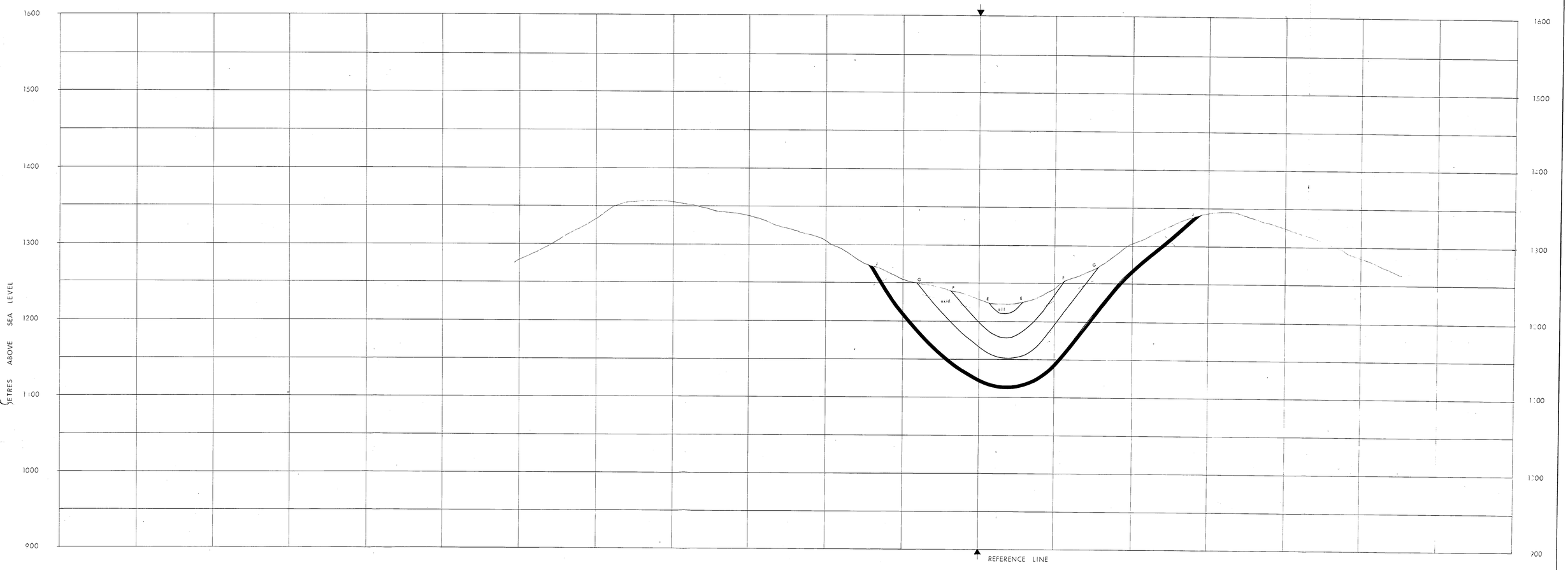
DENISON MINES LIMITED
(COAL DIVISION)
CALGARY ALBERTA

BABCOCK PLANT

3 MILLION METRIC TONNES PER YEAR

DRAWN BY: E. Toth	DATE: April '76	SCALE: see barscale
APPROVED BY:	DRAWING NO: BBCK 76 - 0661 - R01	

APPENDIX VI



QUINTETTE COAL LIMITED

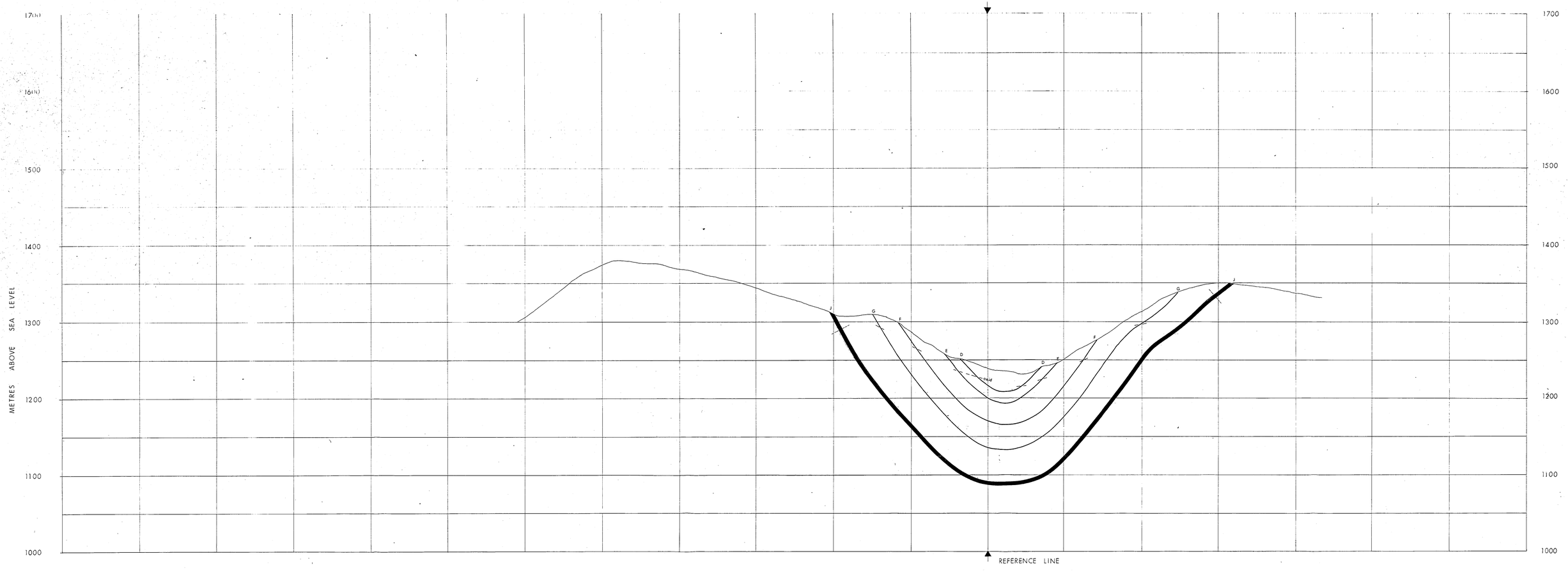
PREPARED BY:
DENISON COAL LIMITED
CALGARY ALBERTA

PR-Quintette 76(2)B

FRAME CROSS-SECTION Nº F7605

DRAWN BY: J.W.K.	DATE: SEPT., 76	SCALE: 1:2500
APPROVED BY:	DRAWING NO: QNTT76-0675-R01	

609



QUINTETTE COAL LIMITED

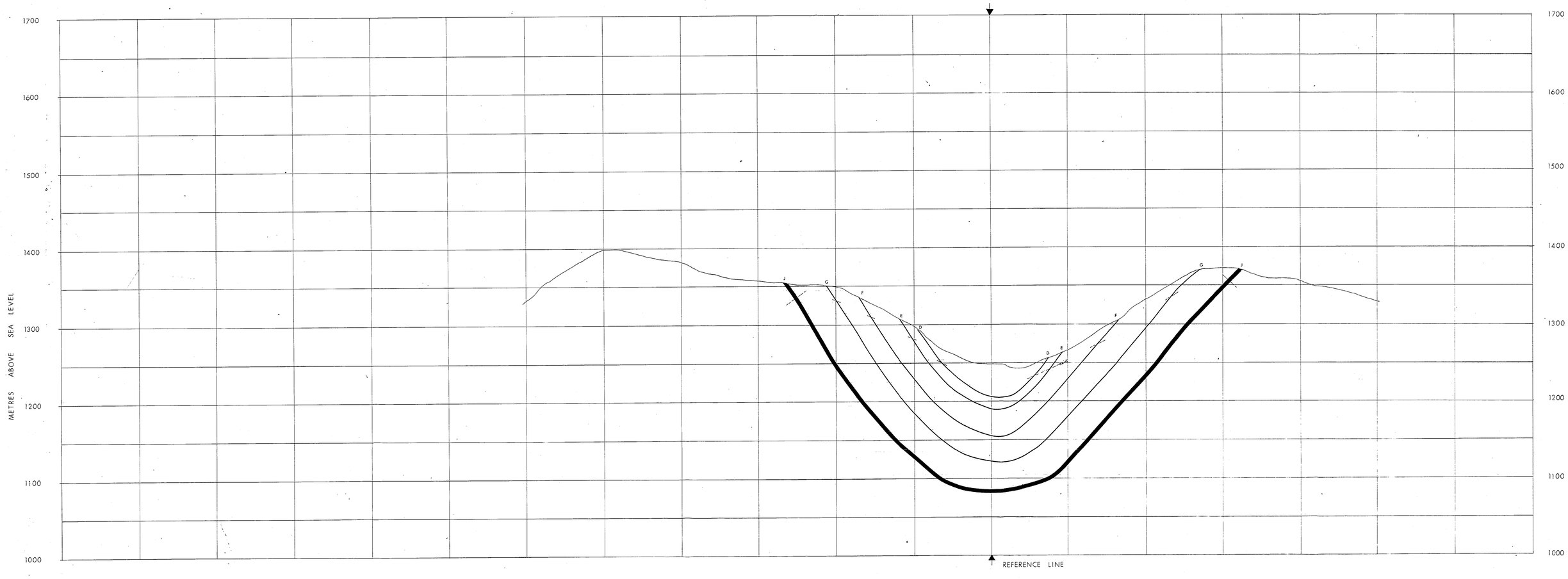
PREPARED BY:
DENISON COAL LIMITED
CALGARY ALBERTA

Pre-Quintette 7602B

FRAME CROSS-SECTION Nº F 7606

DRAWN BY: J.W.K.	DATE: SEPT., 76	SCALE: 1:2500
APPROVED BY: -	DRAWING NO: QNTT76-0675-R01	

609



QUINTETTE COAL LIMITED

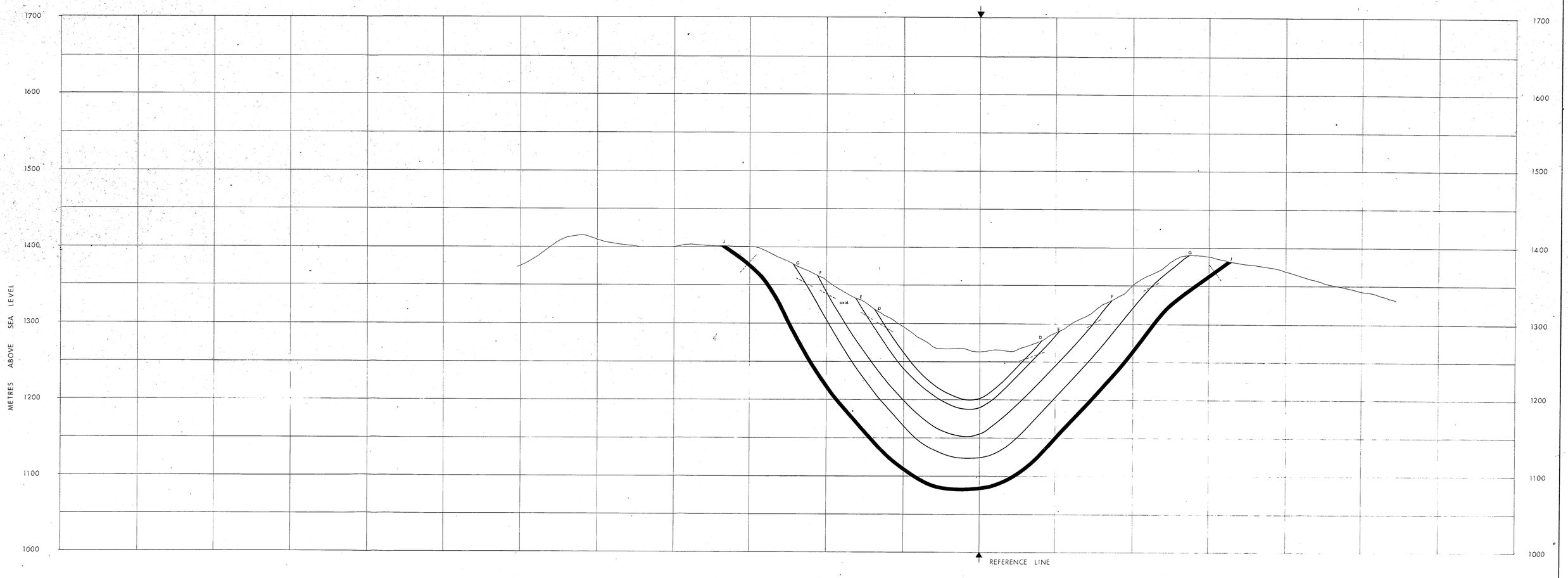
PREPARED BY:
DENISON COAL LIMITED
CALGARY ALBERTA

PR-Quintette 76(2)B

FRAME CROSS-SECTION Nº F7607

DRAWN BY: J.W.K.	DATE: SEPT., 76	SCALE: 1:2500
APPROVED BY:	DRAWING NO: QNTT76-0675-R01	

609



QUINTETTE COAL LIMITED

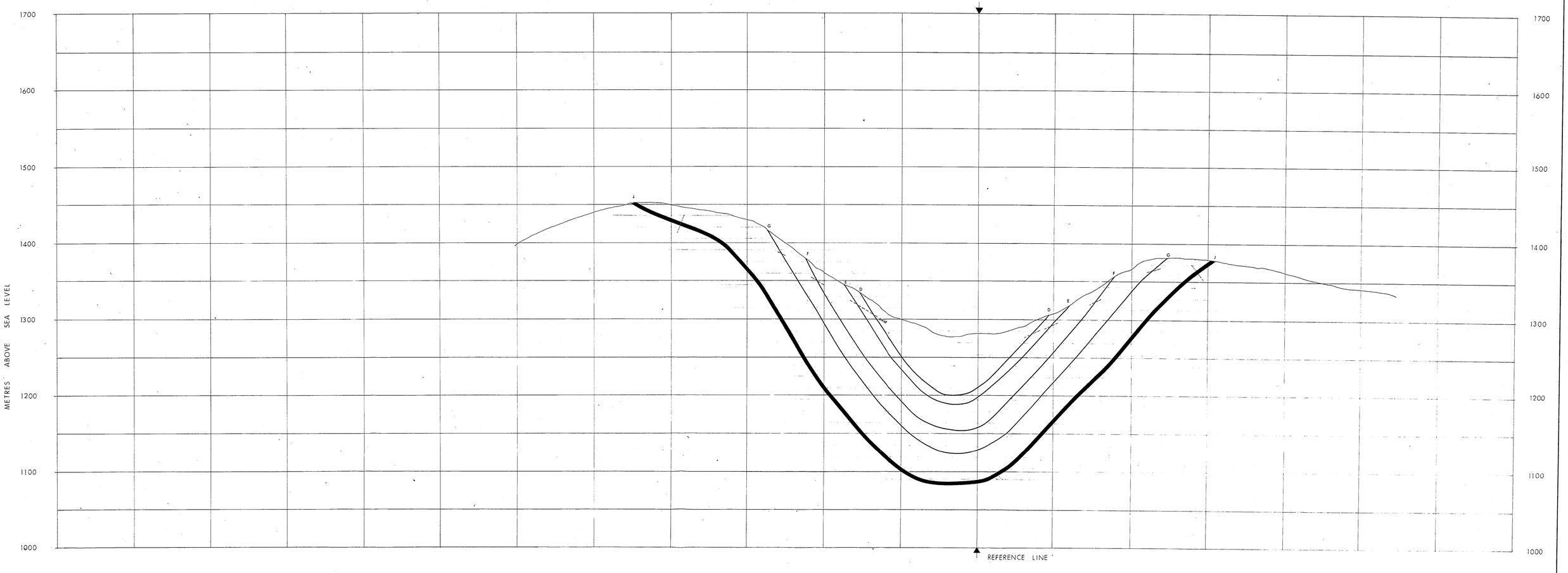
PREPARED BY:
DENISON COAL LIMITED
CALGARY ALBERTA

PR-Quintette 76(2)B.

FRAME CROSS-SECTION Nº F7608

DRAWN BY J.W.K.	DATE SEPT., 76	SCALE 1:2500
APPROVED BY	DRAWING NO QNTT76-0675-R01	

609



QUINTETTE COAL LIMITED

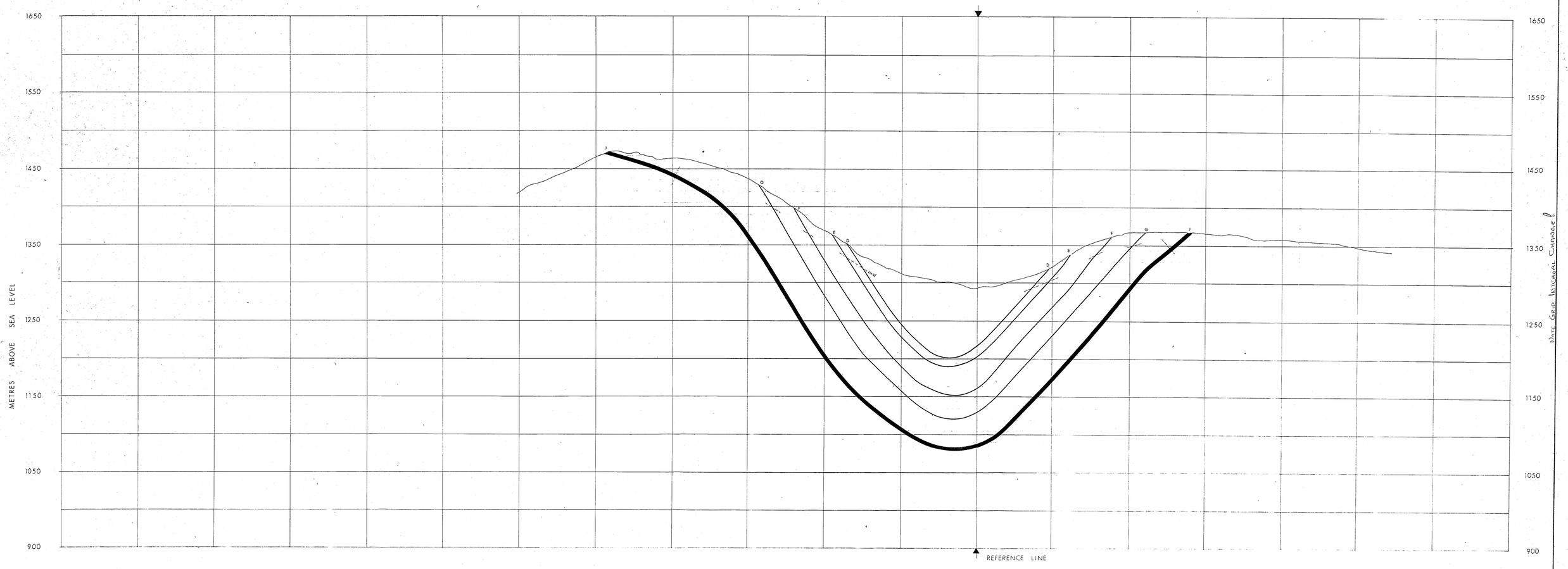
PREPARED BY:
DENISON COAL LIMITED
CALGARY ALBERTA

PR-Quintette 76(2)B

FRAME CROSS-SECTION Nº F7609

DRAWN BY: J.W.K.	DATE: SEPT., 76	SCALE: 1:2500
APPROVED BY:	DRAWING NO: QNTT76-0675-R01	

609



QUINTETTE COAL LIMITED

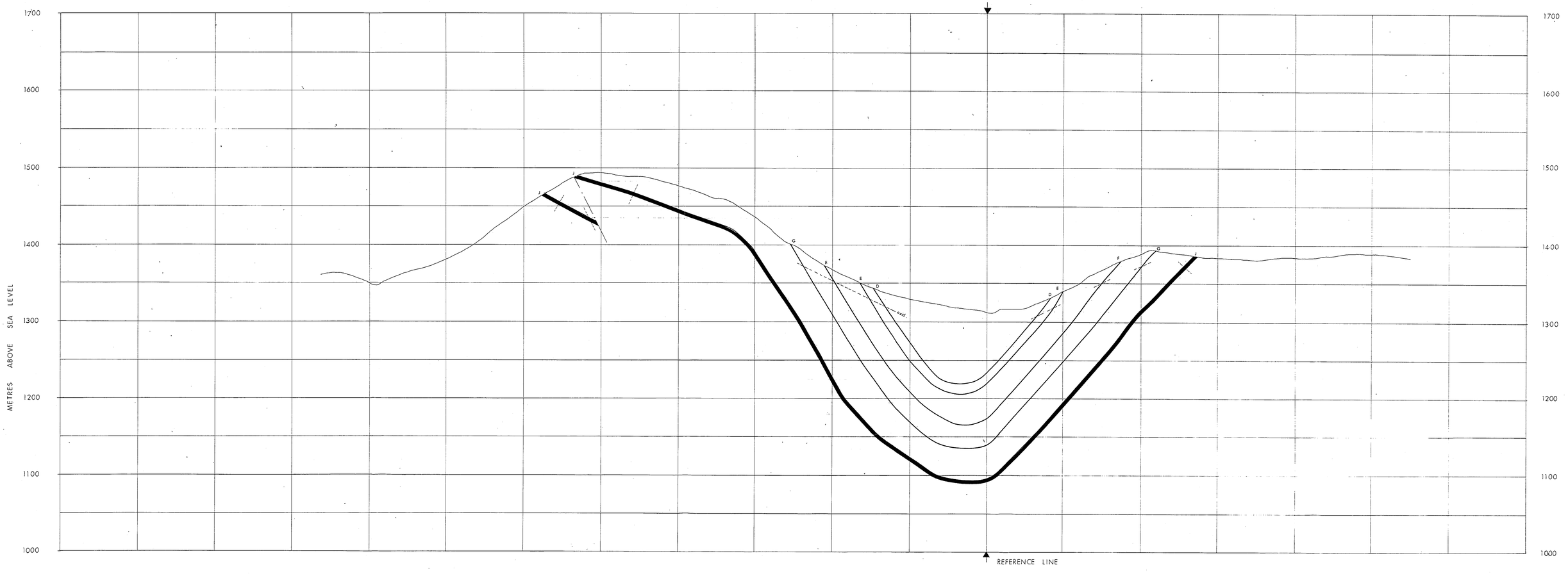
PREPARED BY:
DENISON COAL LIMITED
CALGARY ALBERTA

PR-Quintette 76(2)B

FRAME CROSS-SECTION Nº F 7610

DRAWN BY T.W.K.	DATE SEPT. 76	SCALE 1:2500
APPROVED BY	DRAWING NO. QNTT76 0675 R01	

609



QUINTETTE COAL LIMITED

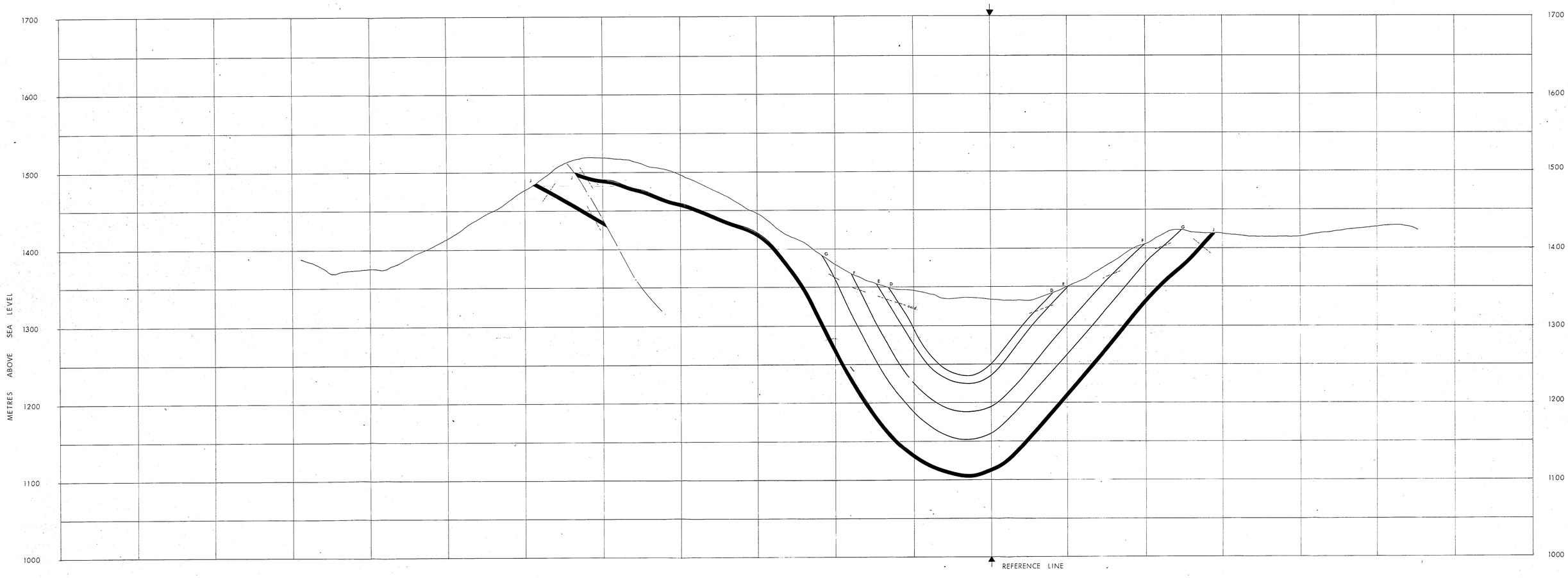
PREPARED BY:
DENISON COAL LIMITED
CALGARY ALBERTA

PR-Quintette 76(2)B

FRAME CROSS-SECTION Nº F761L

DRAWN BY J.W.K.	DATE SEPT., 76	SCALE 1:2500
APPROVED BY:	DRAWING NO. QNTT76-0675-R01	

609



QUINTETTE COAL LIMITED

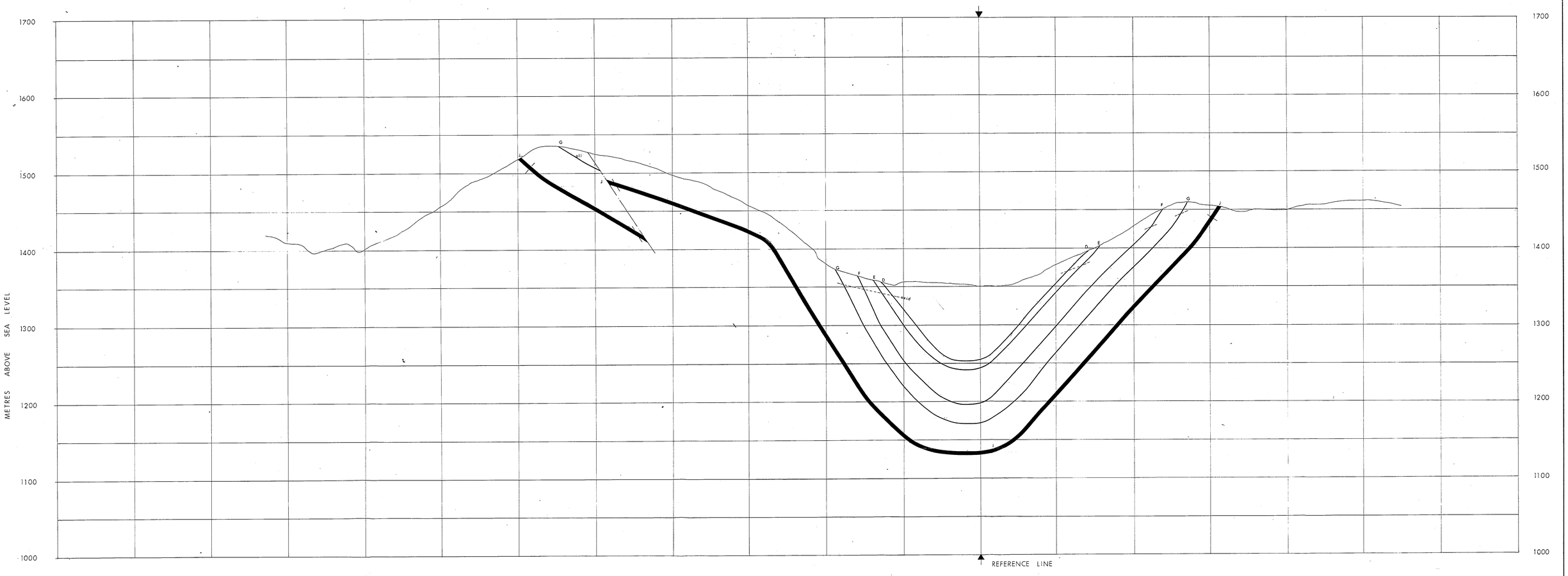
PREPARED BY:
DENISON COAL LIMITED
CALGARY ALBERTA

PR-Quintette 76(2)B.

FRAME CROSS-SECTION Nº F 7612

DRAWN BY J.W.K.	DATE SEPT., 76	SCALE 1:2500
APPROVED BY	DRAWING NO. QNTT76-0675-R01	

609



QUINTETTE COAL LIMITED

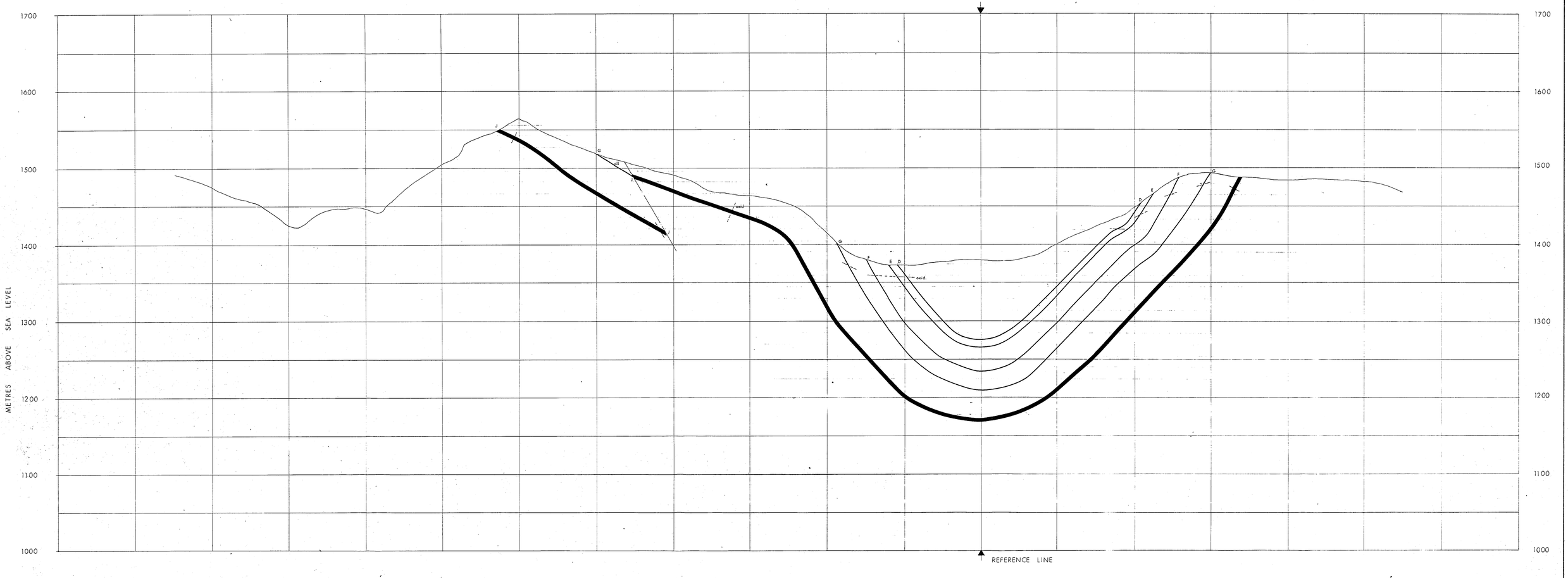
PREPARED BY:
DENISON COAL LIMITED
CALGARY ALBERTA

PR-Quintette 76(2)B

FRAME CROSS-SECTION Nº F 7613

DRAWN BY: J.W.K.	DATE: SEPT., 76	SCALE: 1:2500
APPROVED BY:	DRAWING NO: QNTT 76-0675-R01	

609



QUINTETTE COAL LIMITED

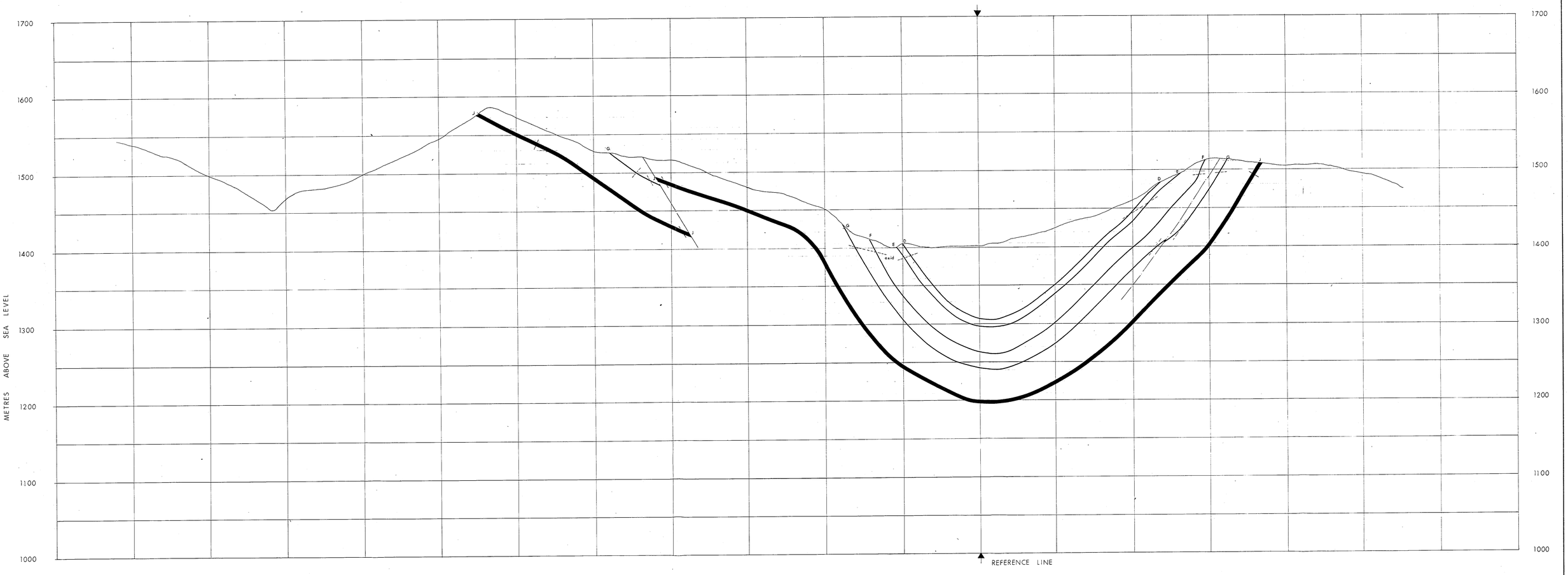
PREPARED BY:
DENISON COAL LIMITED
CALGARY ALBERTA

PR-Quintette-76(2)B.

FRAME CROSS-SECTION Nº F7614

DRAWN BY J.W.K.	DATE SEPT., 76	SCALE 1:2500
APPROVED BY	DRAWING NO. QNTT76-0675-R01	

609



QUINTETTE COAL LIMITED

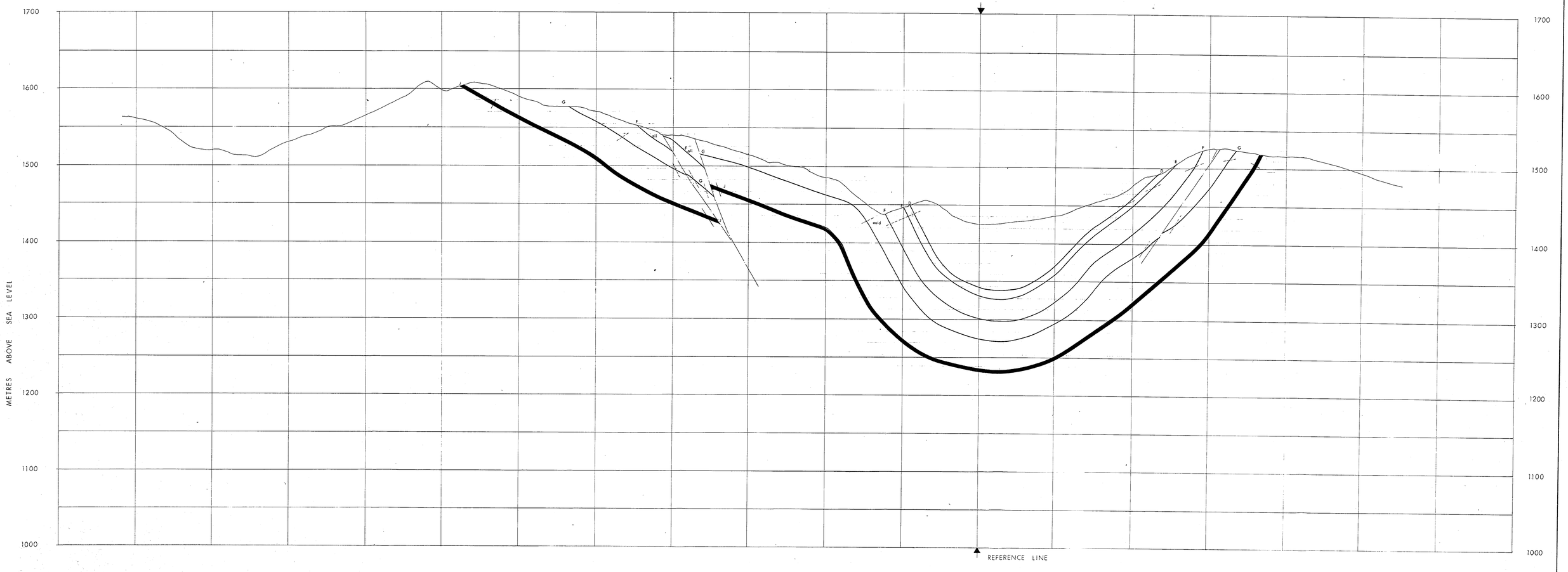
PREPARED BY:
DENISON COAL LIMITED
CALGARY ALBERTA

Pit-Quintette 76(2)B

FRAME CROSS-SECTION Nº F7615

DRAWN BY J.W.K.	DATE SEPT., 76	SCALE 1:2500
APPROVED BY	DRAWING NO QNTT76-0675-R01	

609



QUINTETTE COAL LIMITED

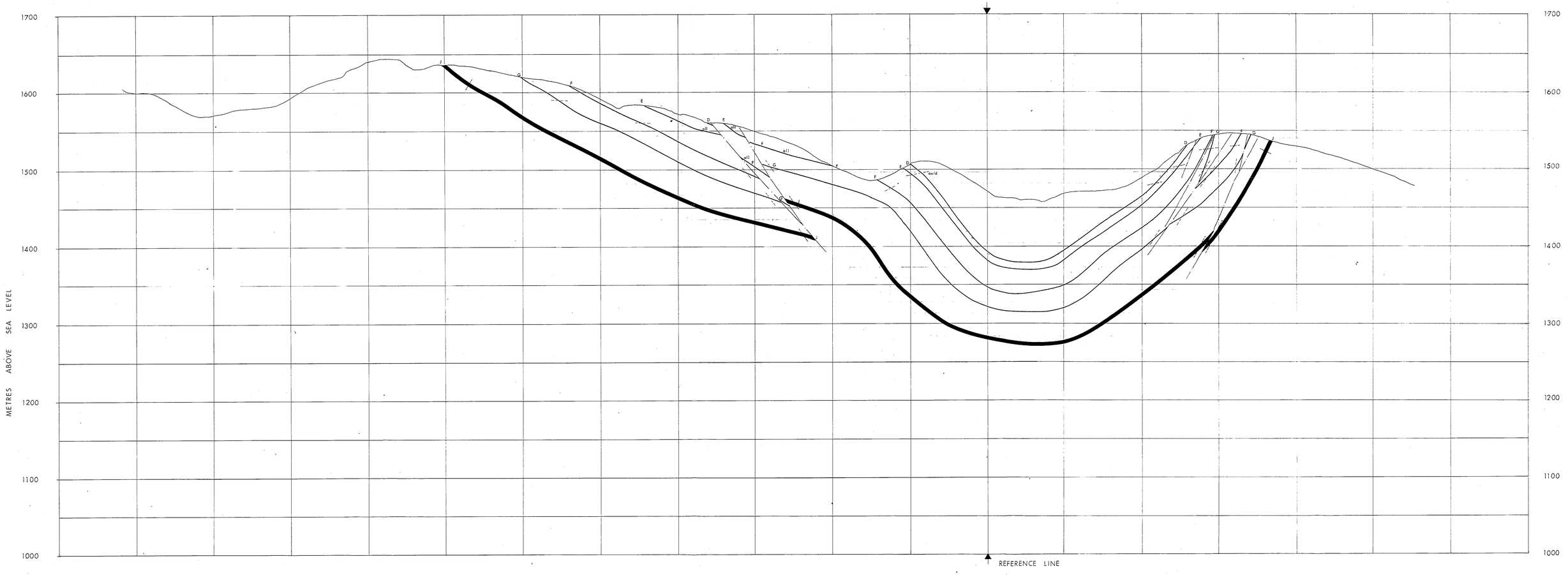
PREPARED BY:
DENISON COAL LIMITED
CALGARY ALBERTA

PR-Quintette 76(2)B

FRAME CROSS-SECTION Nº F 7616

DRAWN BY J.W.K.	DATE SEPT., 76	SCALE 1:2500
APPROVED BY	DRAWING NO QNTT76 0675-R01	

609



QUINTETTE COAL LIMITED

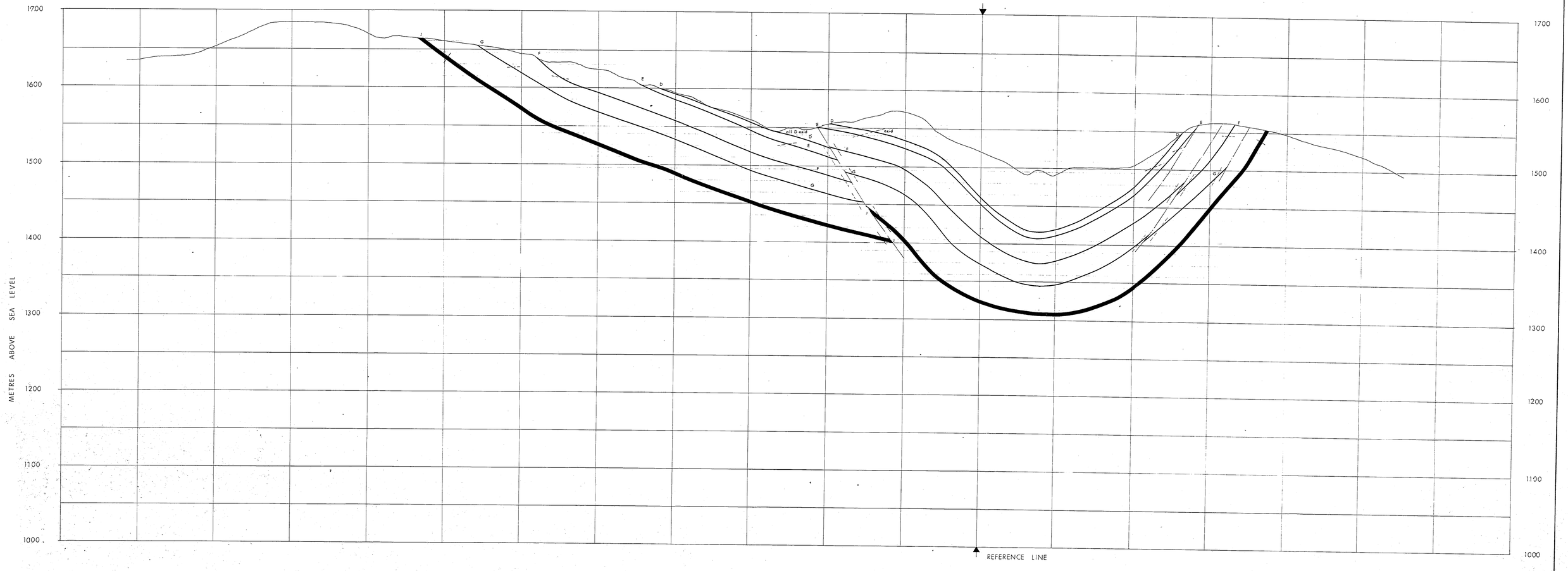
PREPARED BY:
DENISON COAL LIMITED
CALGARY ALBERTA

PR-Quintette 76(2)8

FRAME CROSS-SECTION Nº F 7617

DRAWN BY: J.W.K.	DATE: SEPT., 76	SCALE: 1:2500
APPROVED BY:	DRAWING NO: QNTT76-0675-R01	

609



QUINTETTE COAL LIMITED

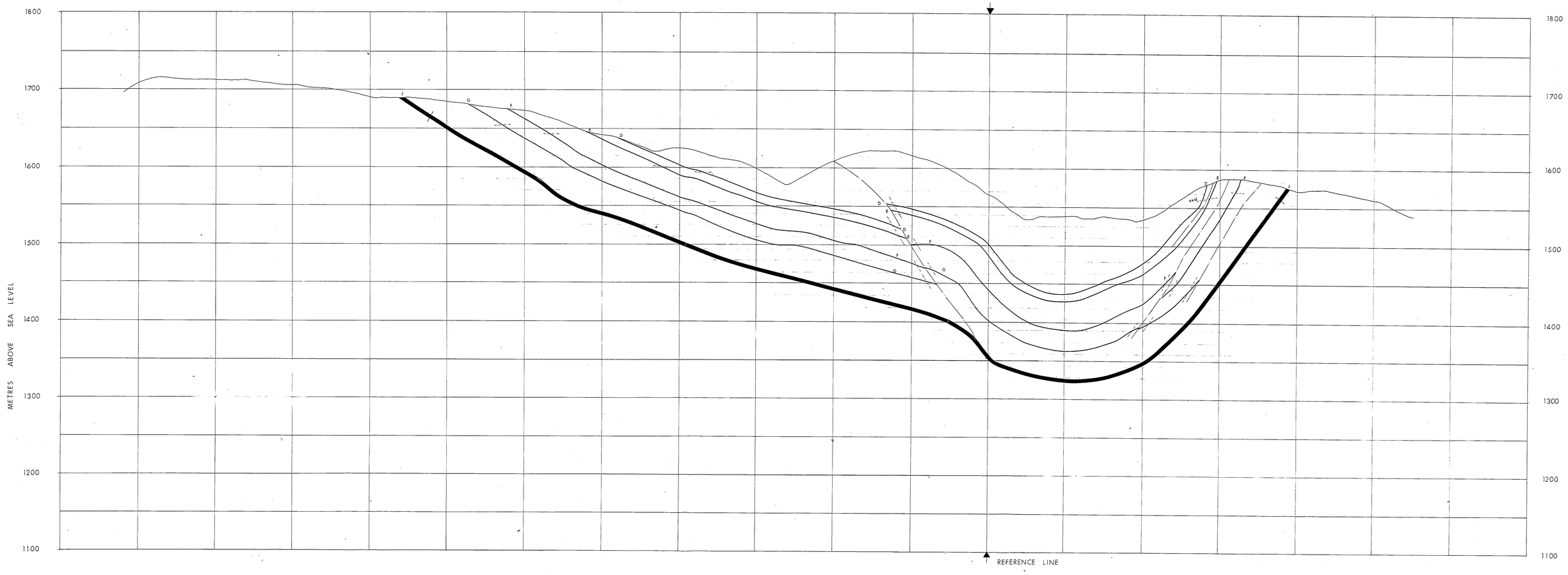
PREPARED BY:
DENISON COAL LIMITED
CALGARY ALBERTA

PR-Quintette 76(2) B

FRAME CROSS-SECTION Nº F7618

DRAWN BY: J.W.K.	DATE: SEPT., 76	SCALE: 1:2500
APPROVED BY:	DRAWING NO: QNTT76-0675-R01	

609



QUINTETTE COAL LIMITED

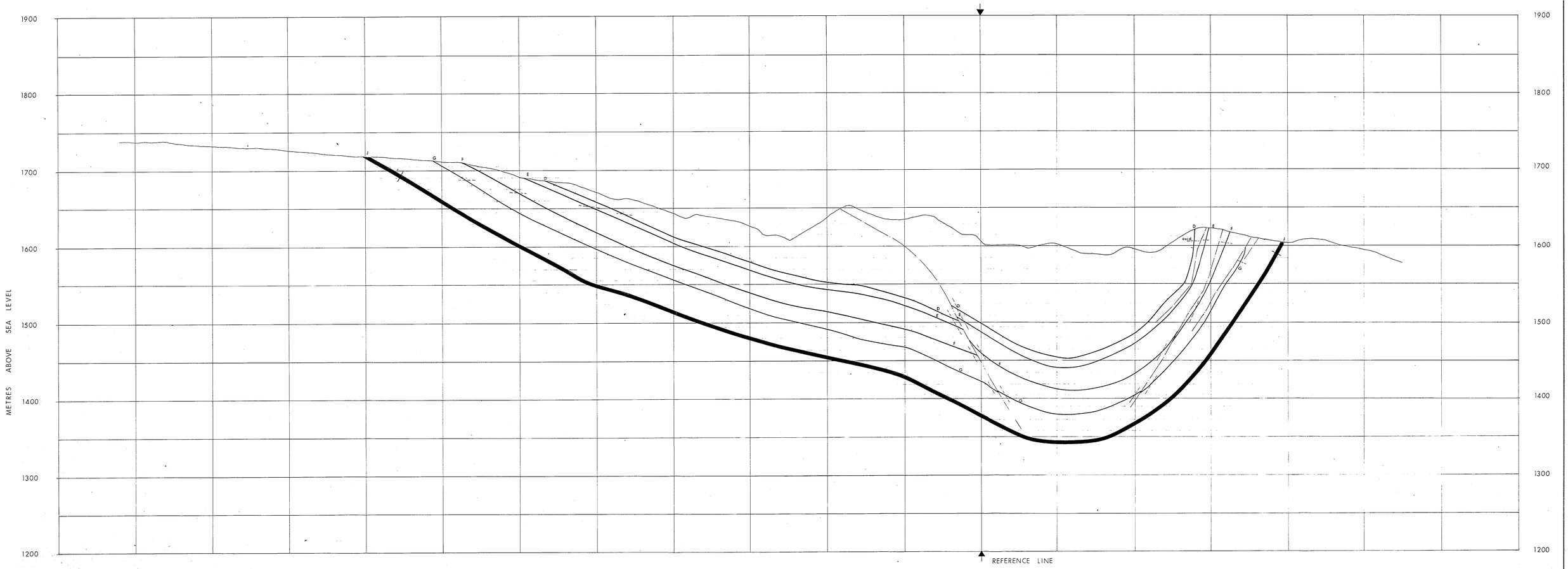
PREPARED BY:
DENISON COAL LIMITED
CALGARY ALBERTA

Pre-Quintette 76(2)8.

FRAME CROSS-SECTION Nº F 7619

DRAWN BY J.W.K.	DATE SEPT., 76	SCALE 1:2500
APPROVED BY	DRAWING NO QNTT76-0675-R01	

609



QUINTETTE COAL LIMITED

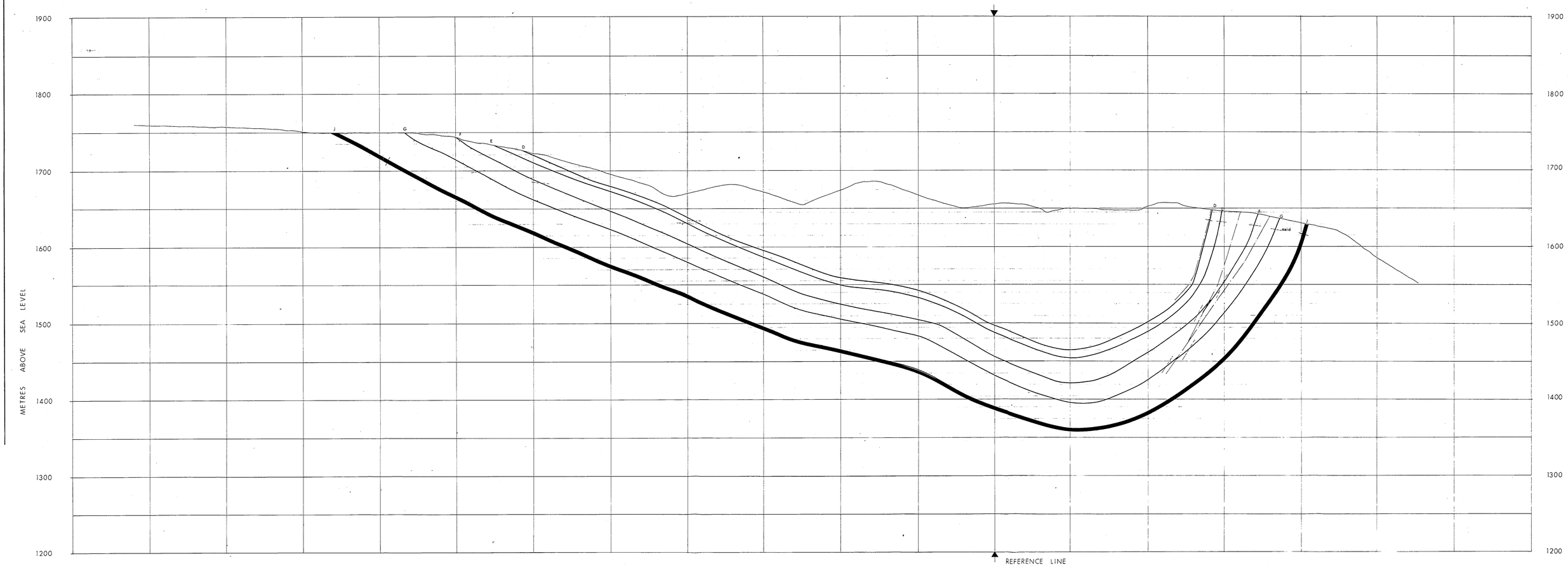
PREPARED BY:
DENISON COAL LIMITED
CALGARY ALBERTA

Pre-Quintette 76(2)B

FRAME CROSS-SECTION Nº F7620

DRAWN BY J.W.K.	DATE SEPT., 76	SCALE 1:2500
APPROVED BY:	DRAWING NO. QNTT76-0675-R01	

609



QUINTETTE COAL LIMITED

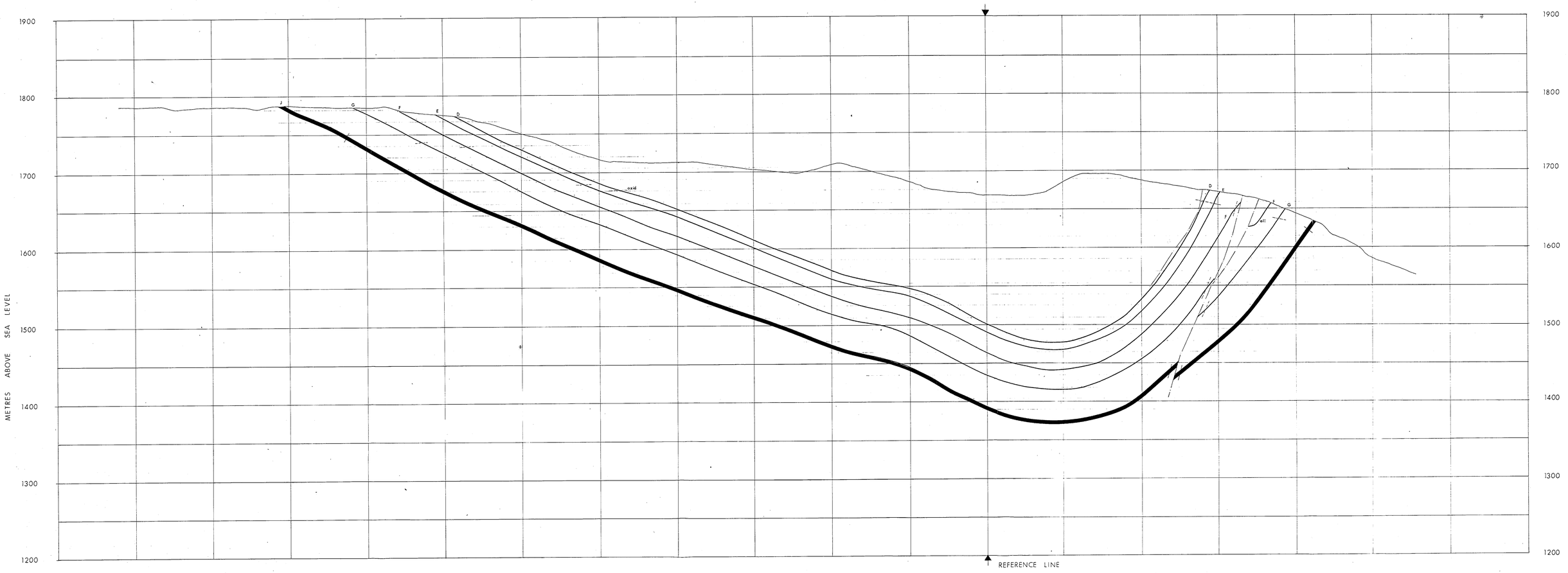
PREPARED BY:
DENISON COAL LIMITED
CALGARY ALBERTA

PIR-Quintette 76(2)B.

FRAME CROSS-SECTION Nº F7621

DRAWN BY J.W.K.	DATE SEPT., 76	SCALE 1:2500
APPROVED BY	DRAWING NO QNT176-0675-R01	

609



QUINTETTE COAL LIMITED

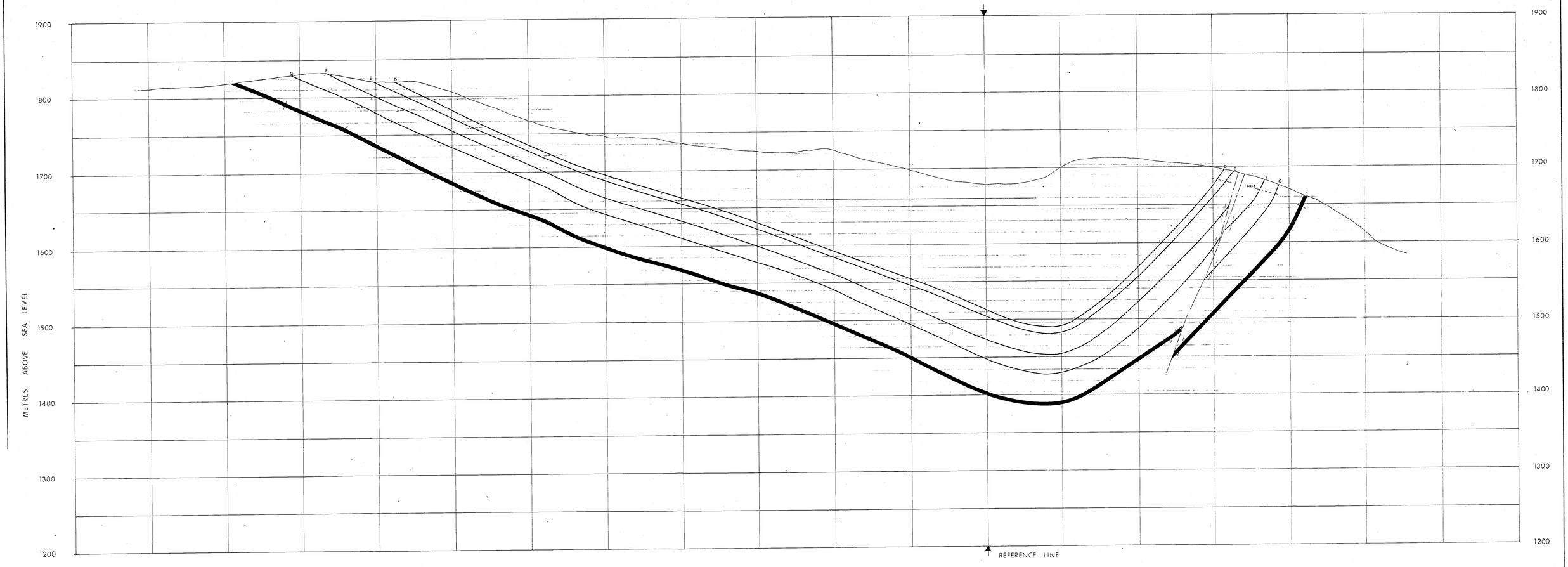
PREPARED BY:
DENISON COAL LIMITED
CALGARY ALBERTA

PR-Quintette 76(2)B.

FRAME CROSS-SECTION Nº F 7622

DRAWN BY J.W.K.	DATE SEPT., 76	SCALE 1:2500
APPROVED BY	DRAWING NO. QNTT76-0675-R01	

609



QUINTETTE COAL LIMITED

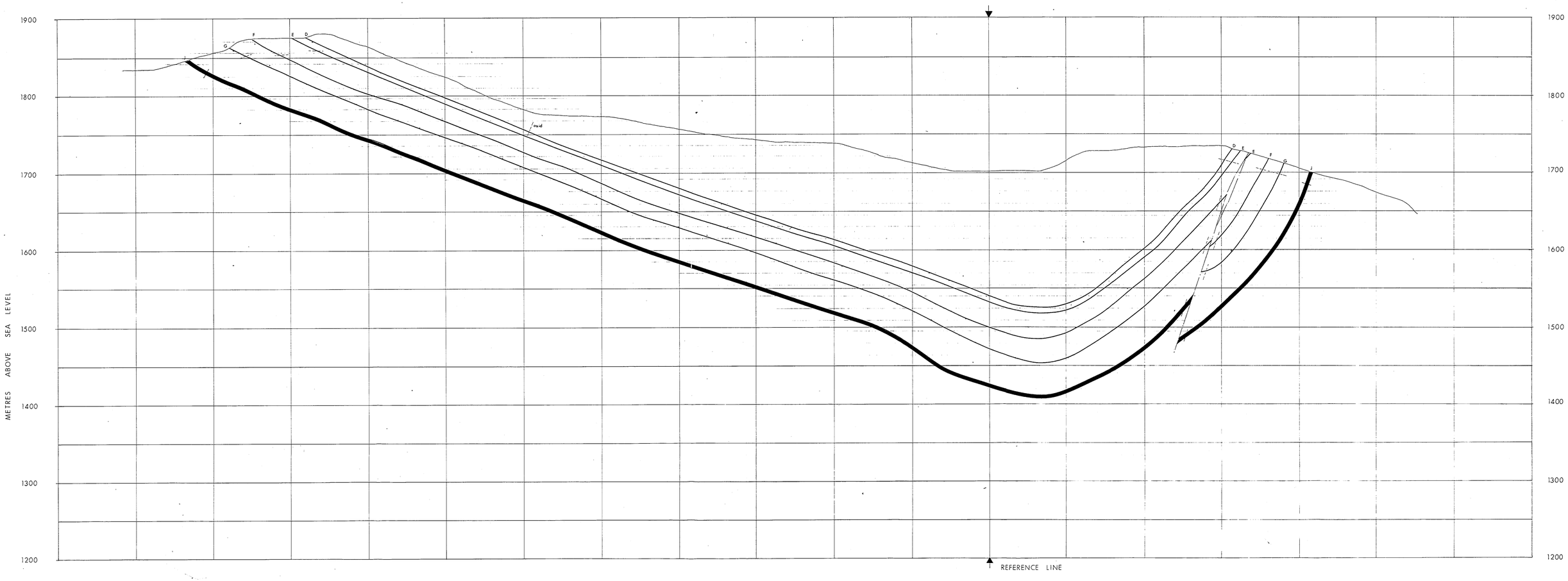
PREPARED BY:
DENISON COAL LIMITED
CALGARY ALBERTA

PR-Quintette 76(2)B

FRAME CROSS-SECTION Nº F7623

DRAWN BY J.W.K.	DATE SEPT., 76	SCALE 1:2500
APPROVED BY	DRAWING NO. QNTT76-0675-R01	

609



QUINTETTE COAL LIMITED

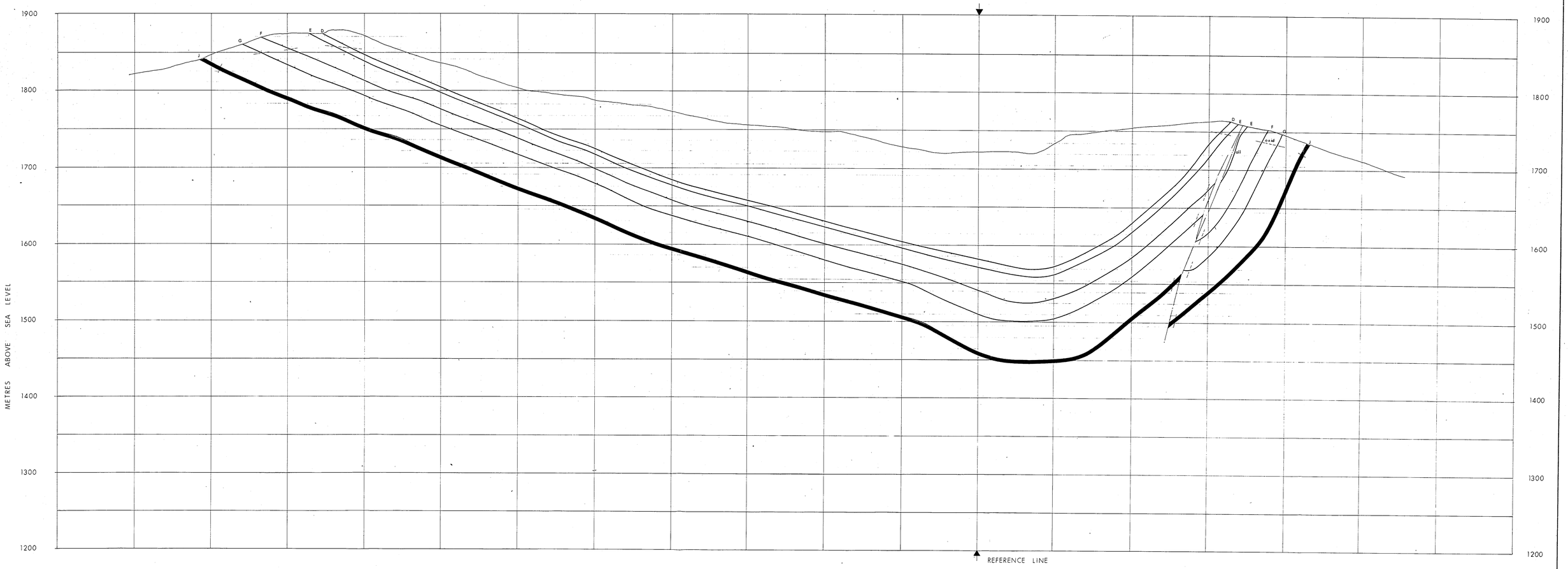
PREPARED BY:
DENISON COAL LIMITED
CALGARY ALBERTA

PR-Quintette 76(2)B.

FRAME CROSS-SECTION Nº F7624

DRAWN BY: J.W.K.	DATE: SEPT., 76	SCALE: 1:2500
APPROVED BY:	DRAWING NO: QNTT76-0675-R01	

609



QUINTETTE COAL LIMITED

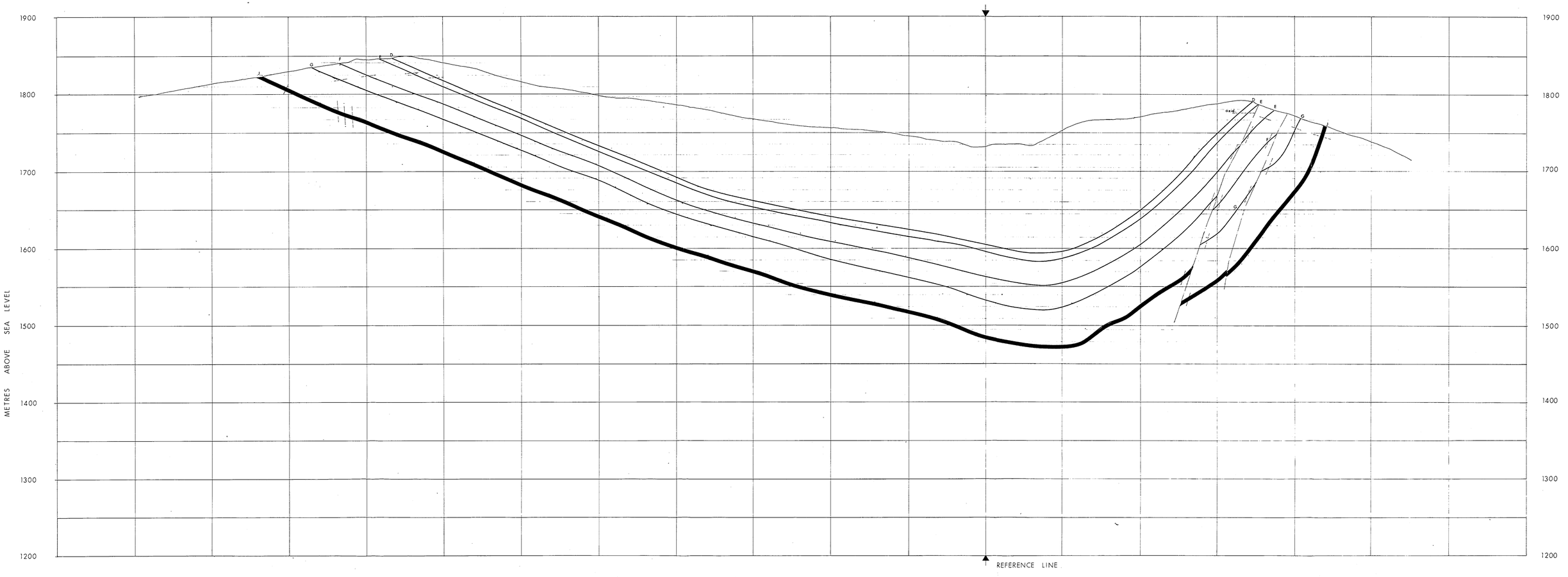
PREPARED BY:
DENISON COAL LIMITED
CALGARY ALBERTA

PR-Quintette 76(2)B

FRAME CROSS-SECTION Nº F7625

DRAWN BY: J.W.K.	DATE: SEPT., 76	SCALE: 1:2500
APPROVED BY:	DRAWING NO: QNTT76-0675-R01	

609



QUINTETTE COAL LIMITED

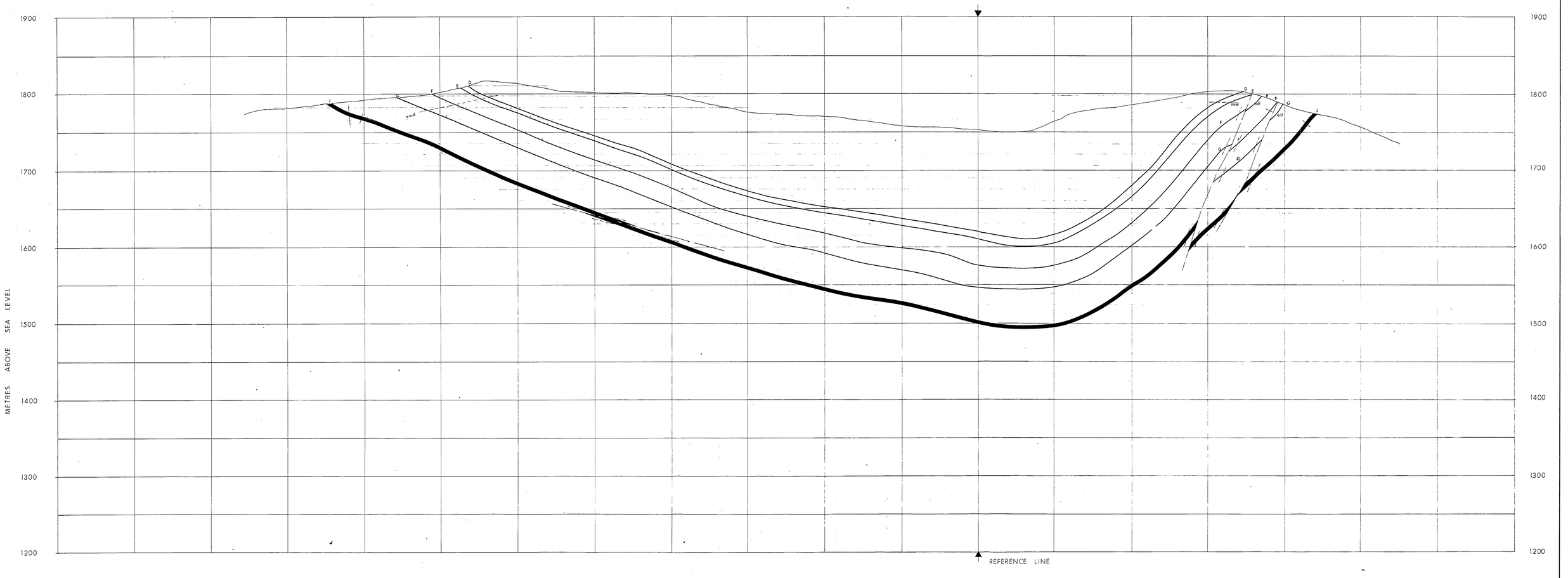
PREPARED BY:
DENISON COAL LIMITED
CALGARY ALBERTA

PR.-Quintette 76 (2) B.

FRAME CROSS-SECTION Nº F7626

DRAWN BY: J.W.K.	DATE: SEPT., 76	SCALE: 1:2500
APPROVED BY:	DRAWING NO: QNTT76-0675-R01	

609



QUINTETTE COAL LIMITED

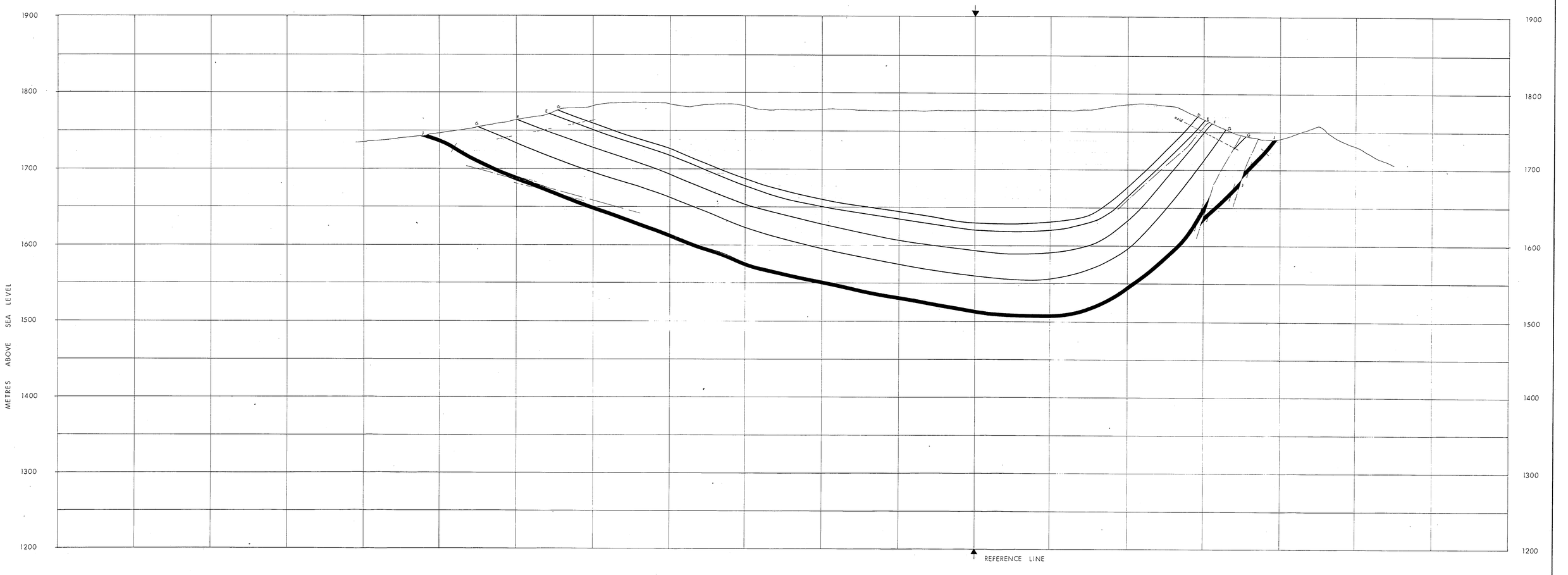
PREPARED BY:
DENISON COAL LIMITED
CALGARY ALBERTA

PR-Quintette 76(2)B.

FRAME CROSS-SECTION Nº F7627

DRAWN BY J.W.K.	DATE SEPT., 76	SCALE 1:2500
APPROVED BY	DRAWING NO QNTT76-0675-R01	

609



QUINTETTE COAL LIMITED

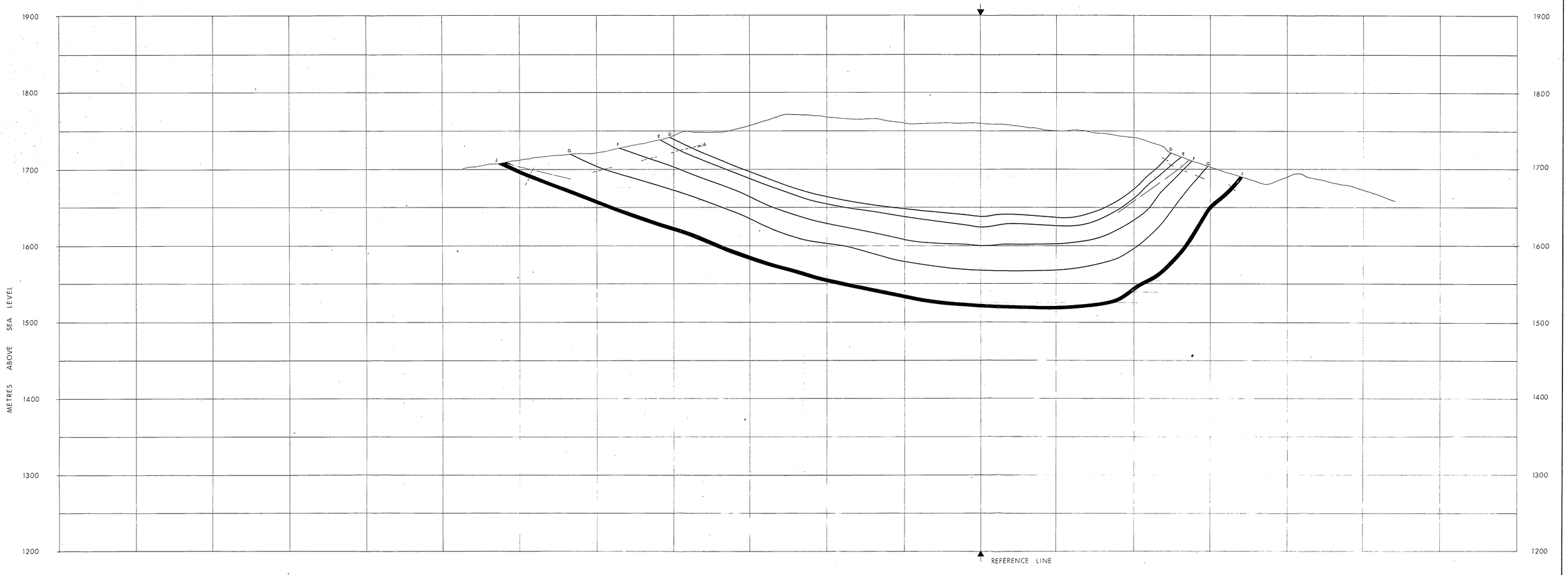
PREPARED BY:
DENISON COAL LIMITED
CALGARY ALBERTA

PR-Quintette 76 (2) B.

FRAME CROSS-SECTION Nº F 7628

DRAWN BY J.W.K.	DATE SEPT., 76	SCALE 1:2500
APPROVED BY	DRAWING NO. QNTT76-0675-R01	

609



QUINTETTE COAL LIMITED

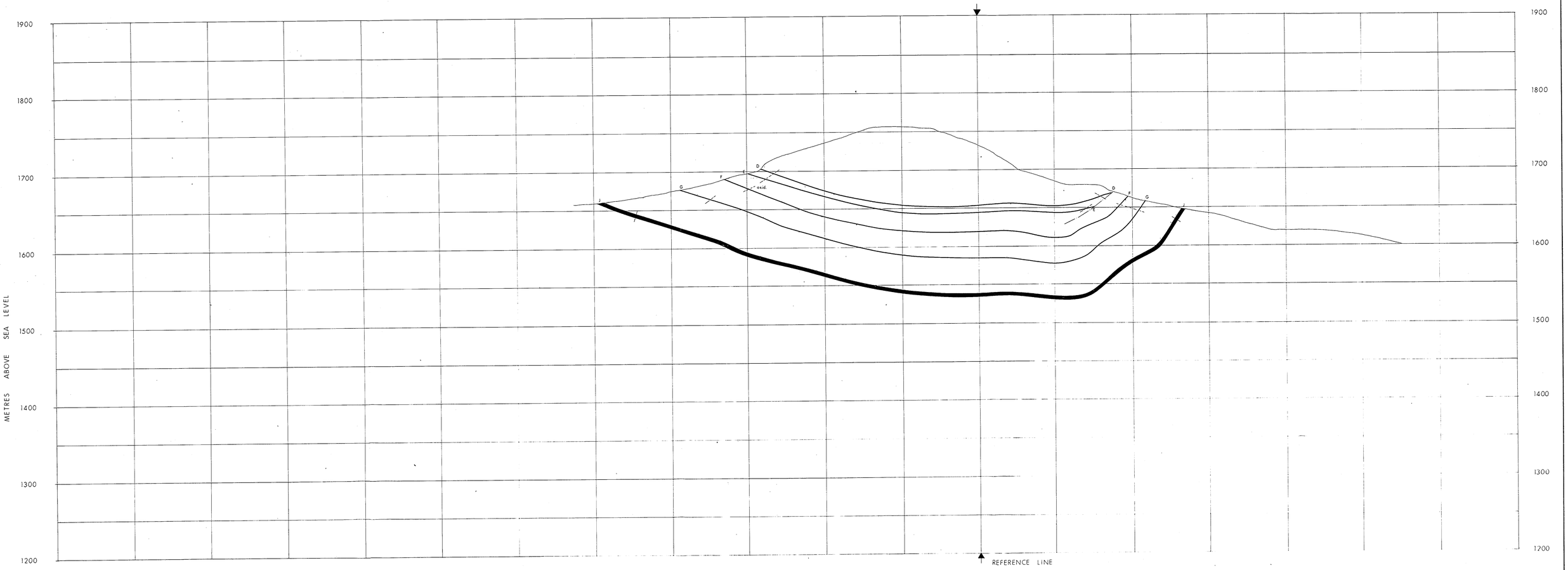
PREPARED BY:
DENISON COAL LIMITED
CALGARY ALBERTA

PR-Quintette 76(2)8

FRAME CROSS-SECTION Nº F7629

DRAWN BY J.W.K.	DATE SEPT., 76	SCALE 1:2500
APPROVED BY	DRAWING NO QNTT76-0675-R01	

609



QUINTETTE COAL LIMITED

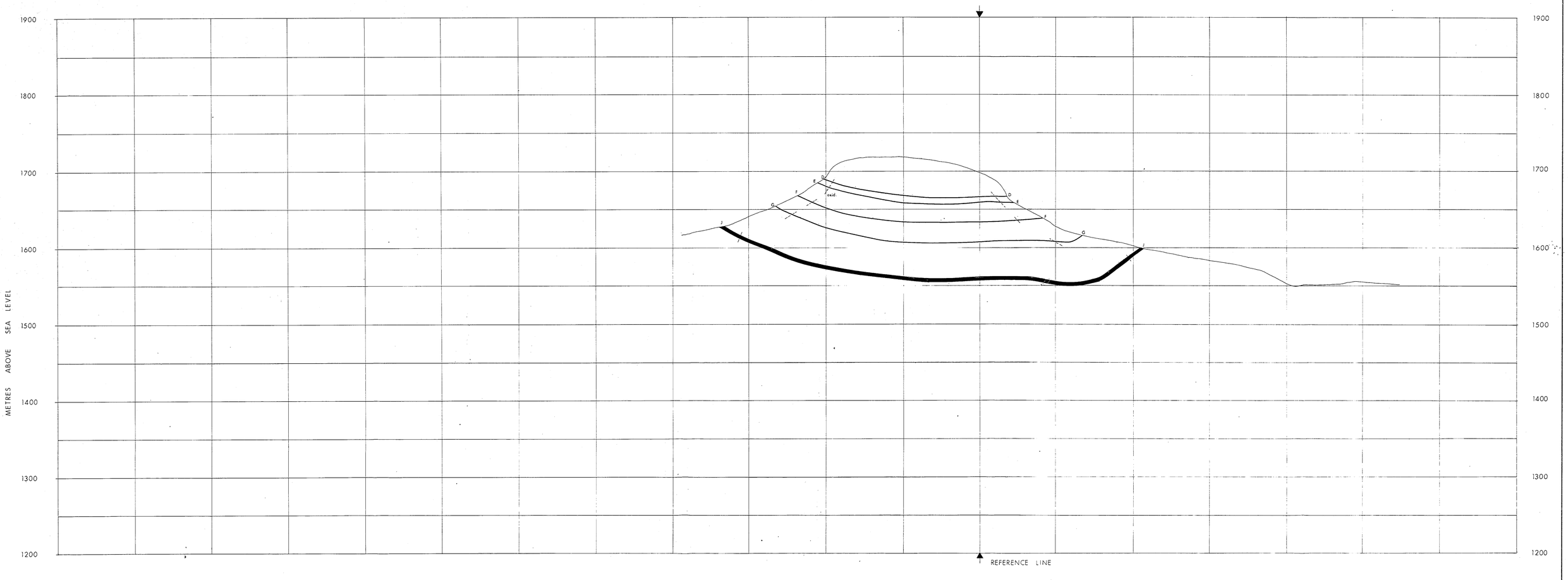
PREPARED BY:
DENISON COAL LIMITED
CALGARY ALBERTA

PR-Quintette 76(2) B.

FRAME CROSS-SECTION Nº F.7630

DRAWN BY J.W.K.	DATE SEPT., 76	SCALE 1:2500
APPROVED BY	DRAWING NO QNTT76-0675-R01	

609



QUINTETTE COAL LIMITED

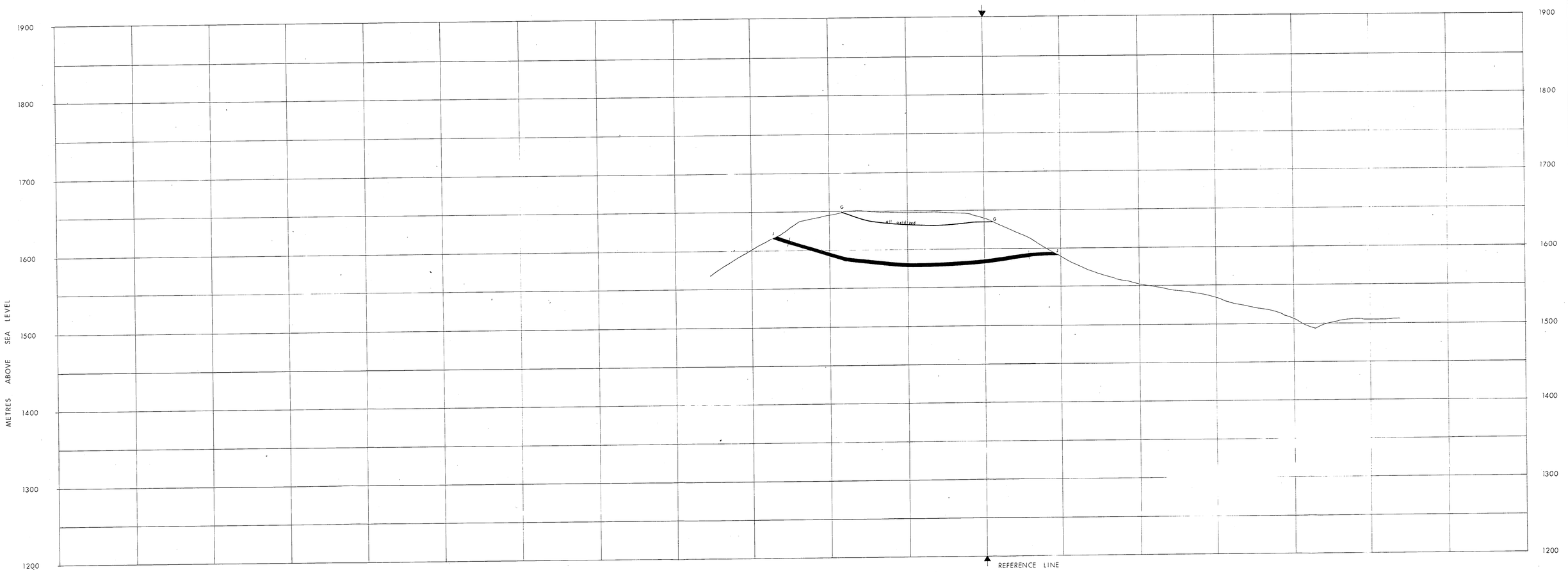
PREPARED BY:
DENISON COAL LIMITED
CALGARY ALBERTA

PR-Quintette 76 (2) 8

FRAME CROSS-SECTION Nº F 7631

DRAWN BY J.W.K.	DATE SEPT., 76	SCALE 1:2500
APPROVED BY	DRAWING NO QNTT76-0675-R01	

609



QUINTETTE COAL LIMITED

PREPARED BY
DENISON COAL LIMITED
CALGARY ALBERTA

DR-Quintette 76(2)B.

FRAME CROSS-SECTION Nº F7632

DRAWN BY J.W.K.	DATE SEPT., 76	SCALE 1:2500
APPROVED BY	DRAWING NO QNTT76-0675-R01	

609