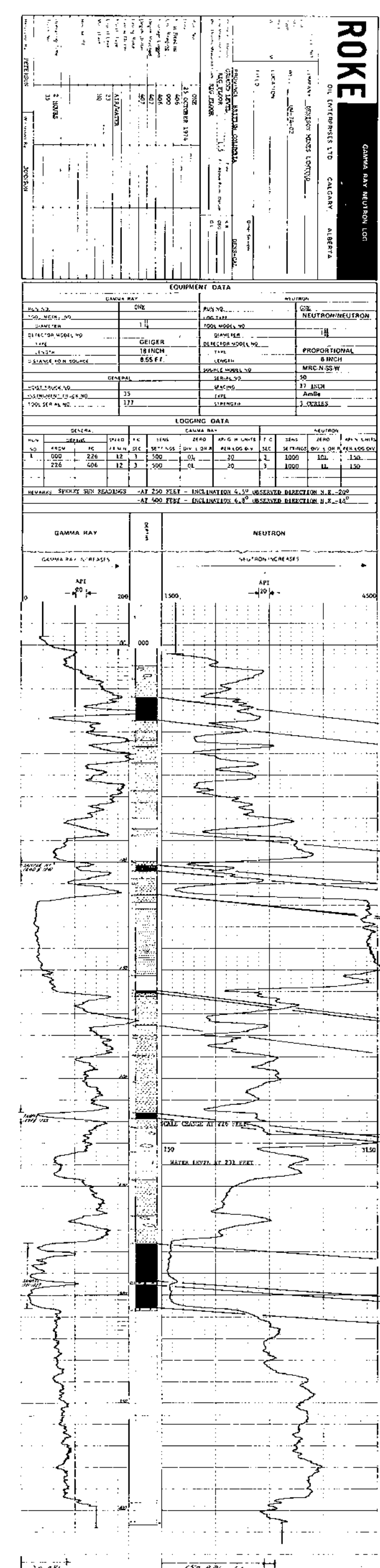


QWD 74-02

QWD 74-01



ROKE

KCm(g)

POSSIBLE COAL ZONE CORRELATIONS

BABCOCK SANDSTONES

COAL SECTION

QUINTETTE SANDSTONES

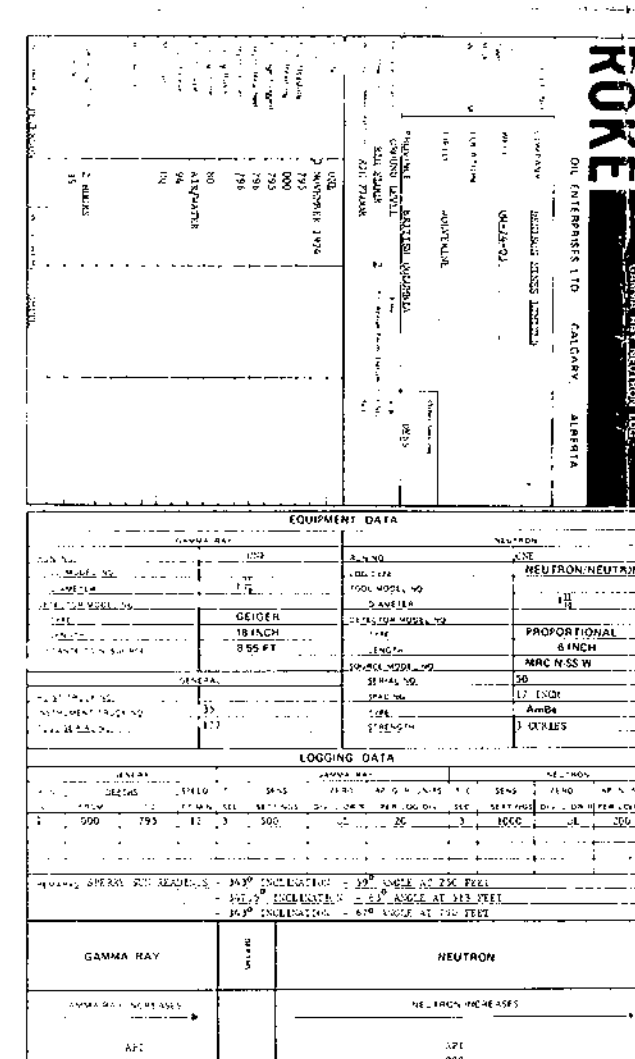
WOLVERINE SEAM DESIGNATIONS

QWD 71-12

No geophysical log available for this hole.

Transition Zone

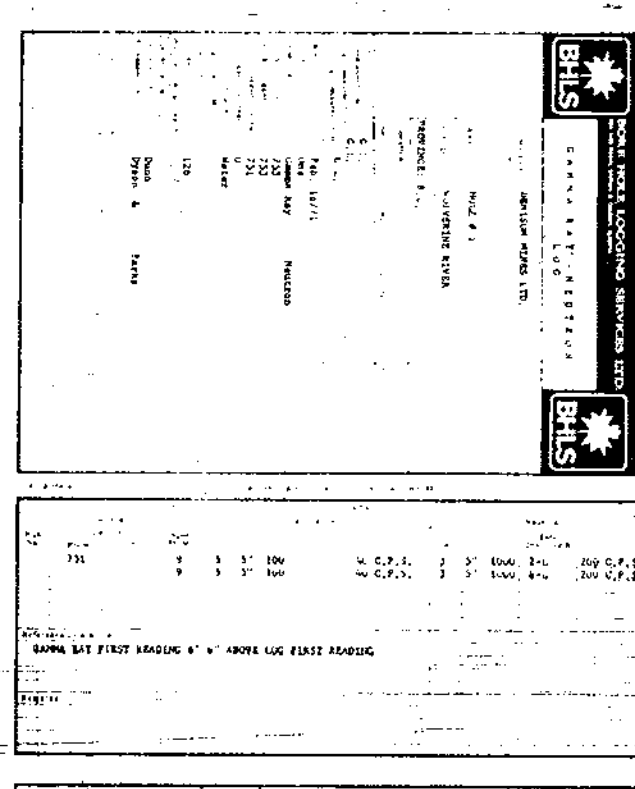
QWD 74-03



ROKE

KMb

QWD No. 1



(Bird) Gething No. I

(Essex) Gething No. II  
(Chamberlain) Gething No. III

FAULT

KGt

middle coals

KCd

- LEGEND**
- |                |                     |   |
|----------------|---------------------|---|
| SANDSTONE      | CONGLOMERATE        | KCm(g) COMMOTION FORMATION (gates member) |
| SILTSTONE      | COAL                | KMb MOOSEBAR FORMATION                    |
| SHALE          | CARBONIFEROUS SHALE | KGt GETTING FORMATION                     |
| SILTY MUDSTONE | MUDSTONE            | KCd CADOMIN FORMATION                     |

**NOTE:**  
This chart correlates 1974 drill holes with selected logs from previous drilling in the Wolverine. For a complete correlation of previous work refer to the 1972 Wolverine report. All drill holes presented represent the reductions of drill hole logs and have not been corrected for true thickness.

606

12-QUINTETTE 74(2)C

**DENISON MINES LIMITED**  
(COAL DIVISION) ALBERTA

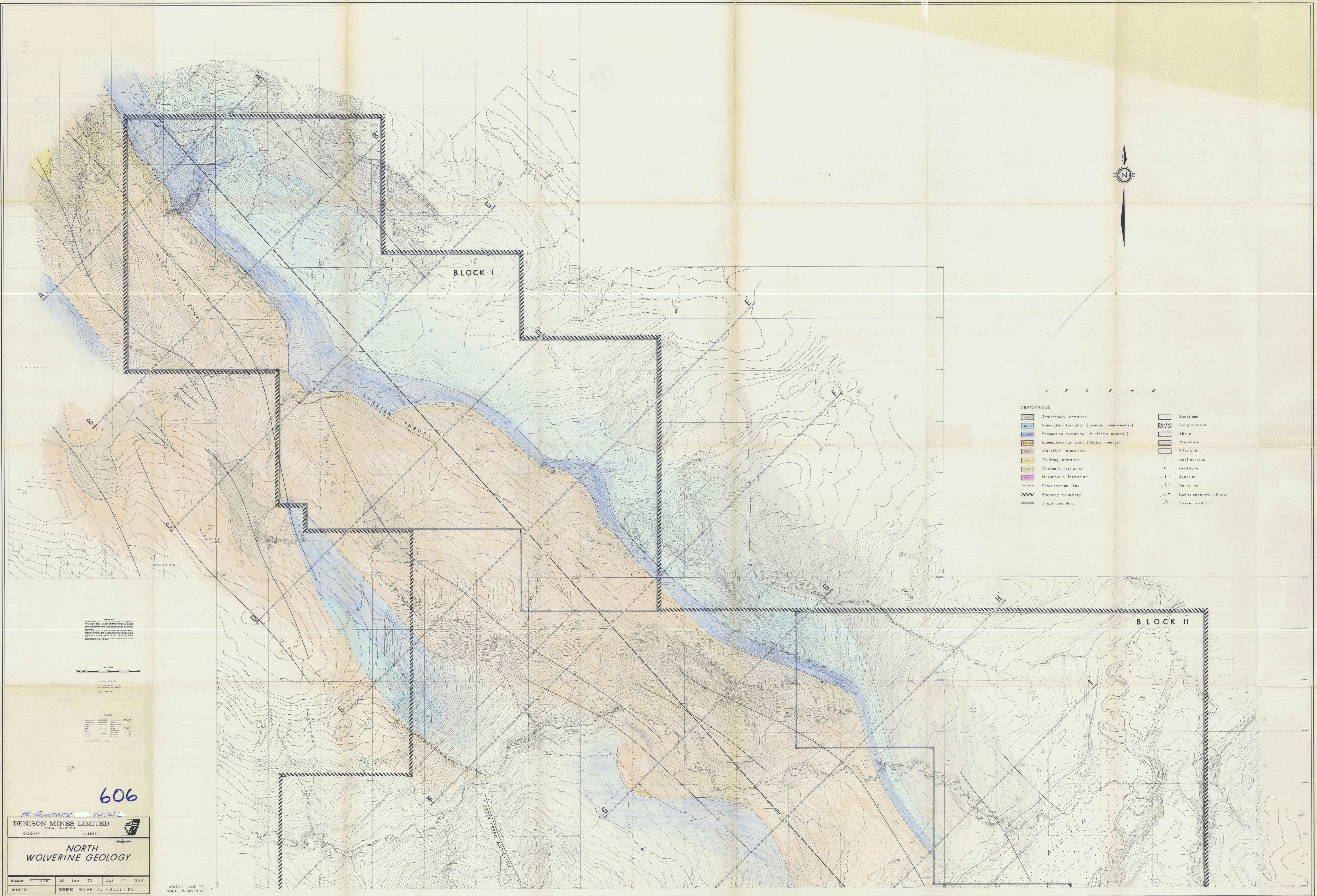
**1974**  
**WOLVERINE CORRELATION CHART**

REVIEWED BY: E.T.O.T.R.	DATE: Dec '74	SCALE: 1"=50' vert.
APPROVED BY:	DRAWING NO.: WLVR 74-0551-R01	









L E G E N D

- |  |                       |
|--|-----------------------|
| CRETACEOUS                             |                       |
| Shafesbury formation                   | Sandstone             |
| Comet formation (Boulder Creek member) | Conglomerate          |
| Comet formation (Hullcross member)     | Shale                 |
| Comet formation (Gates member)         | Mudstone              |
| Moosebar formation                     | Siltstone             |
| Gething formation                      | Coal outcrop          |
| Cadomin formation                      | Drillhole             |
| Nikanassin formation                   | Syncline              |
| Cross section line                     | Anticline             |
| Property boundary                      | Fault: unknown thrust |
| Block boundary                         | Strike and dip        |

606

PC QUINTE 74121C

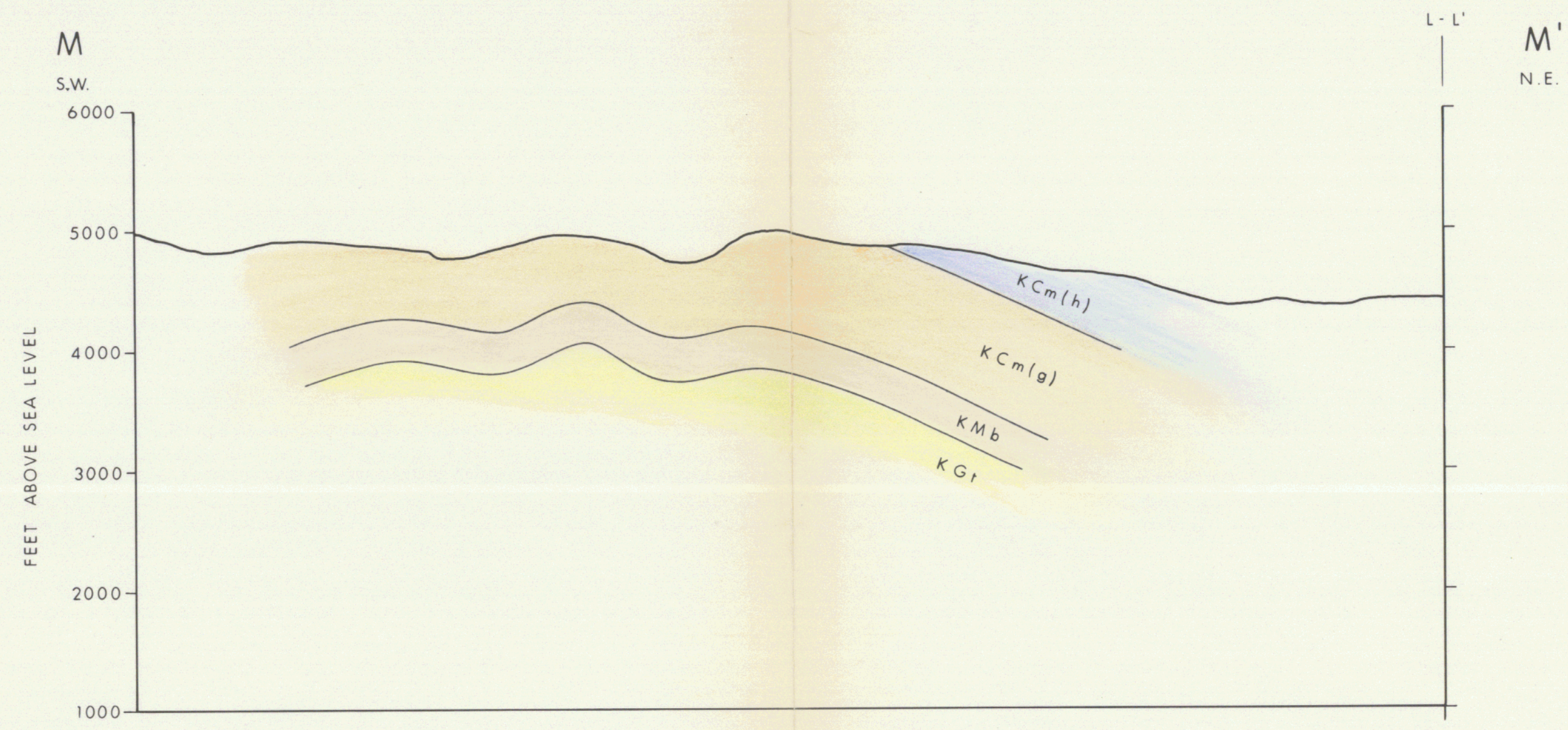
DENISON MINES LIMITED  
(COAL DIVISION) CALGARY ALBERTA

**NORTH  
WOLVERINE GEOLOGY**

DRAWN BY: E. TST	DATE: Jan '75	SCALE: 1" = 1000'
APPROVED BY:	DRAWING NO: WLV 75-0553-R01	

MATCH LINE TO SOUTH WOLVERINE





CRETACEOUS

- Ksh Shaftesbury formation
- KCM(b) Commotion formation (Boulder Creek member)
- KCM(h) Commotion formation (Hullcross member)
- KCM(g) Commotion formation (Gates member)
- KMB Moosebar formation
- KGf Gething formation
- KCd Cadomin formation
- KNk Nikanassin formation

- Sandstone
- Conglomerate
- Shale
- Mudstone
- Siltstone

606

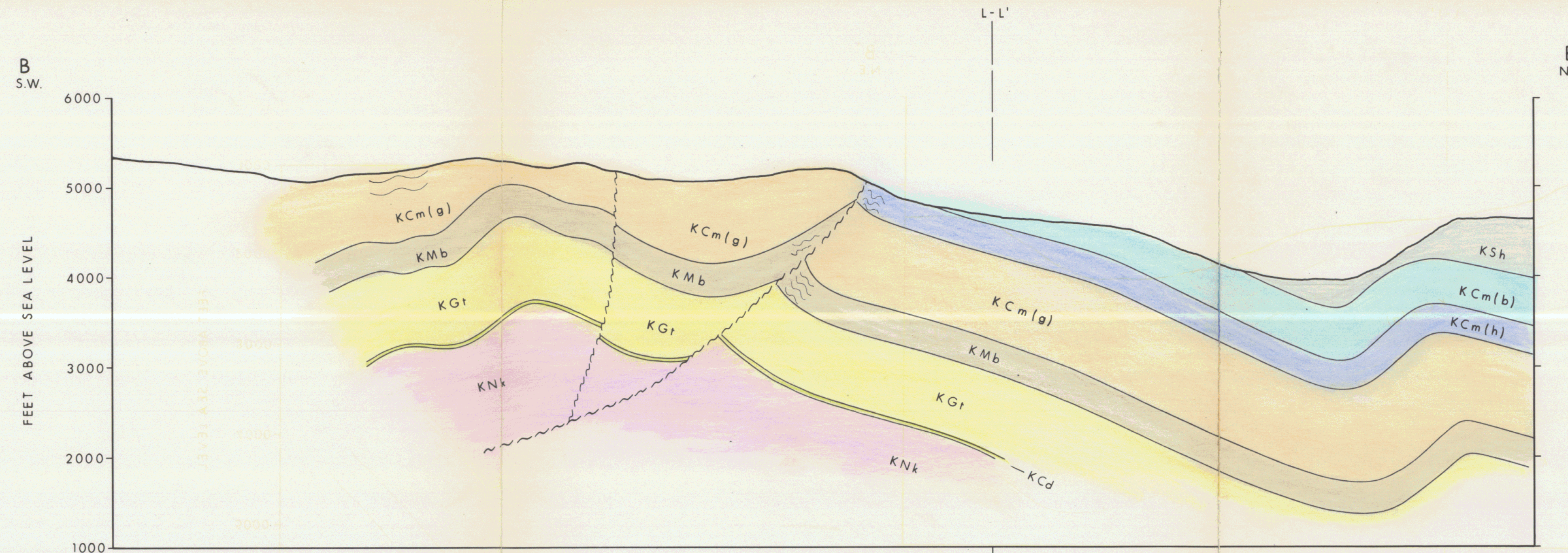
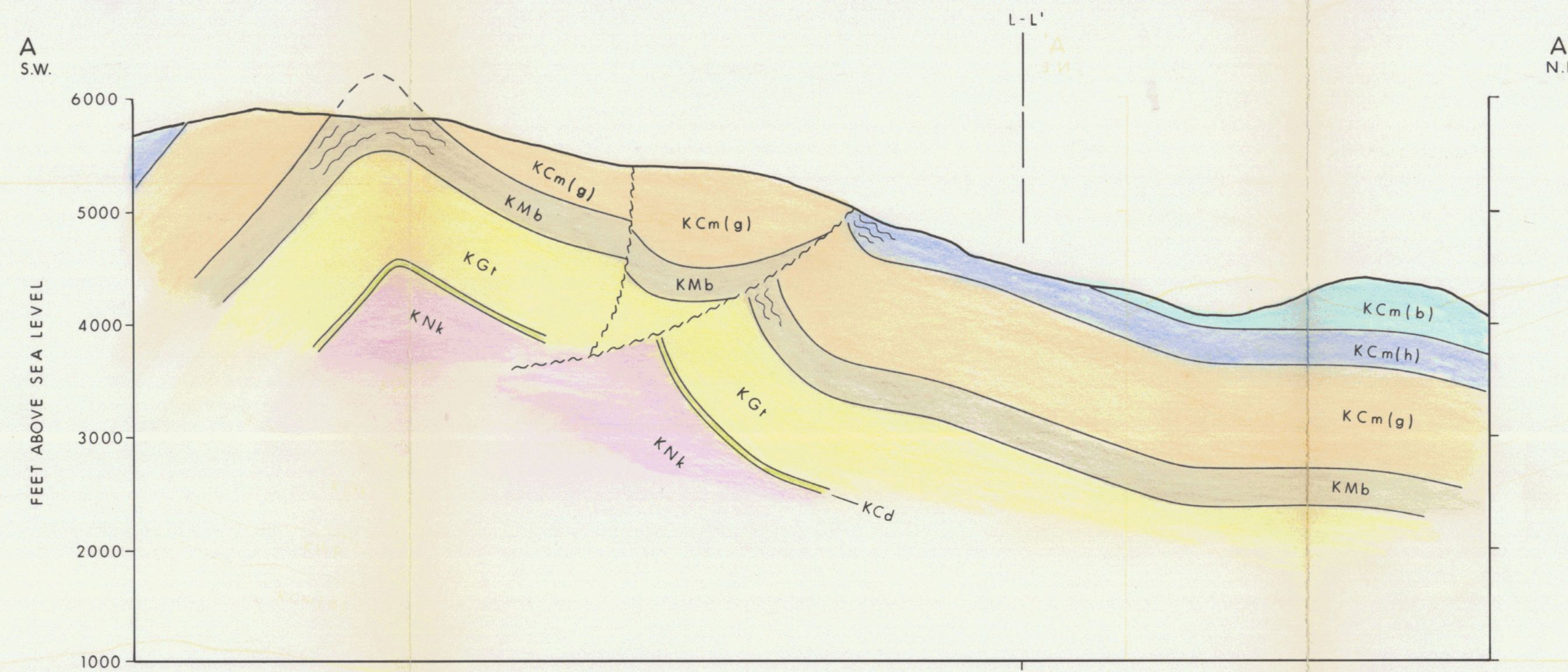
PR - QUINTEITE 174(2).C. 74/51

**DENISON MINES LIMITED**  
(COAL DIVISION)  
CALGARY ALBERTA

**WOLVERINE**  
**CROSS SECTION M-M'**

DRAWN BY: E. 10th	DATE: Jan. '75	SCALE: 1" = 1000'
APPROVED BY:	DRAWING NO: WLVR 75-0552-R01	





- Sandstone
- Conglomerate
- Shale
- Mudstone
- Siltstone

CRETACEOUS

- Shaftesbury formation
- Commotion formation (Boulder Creek member)
- Commotion formation (Hullcross member)
- Commotion formation (Gates member)
- Moosebar formation
- Gething formation
- Cadomin formation
- Nikanassin formation

606

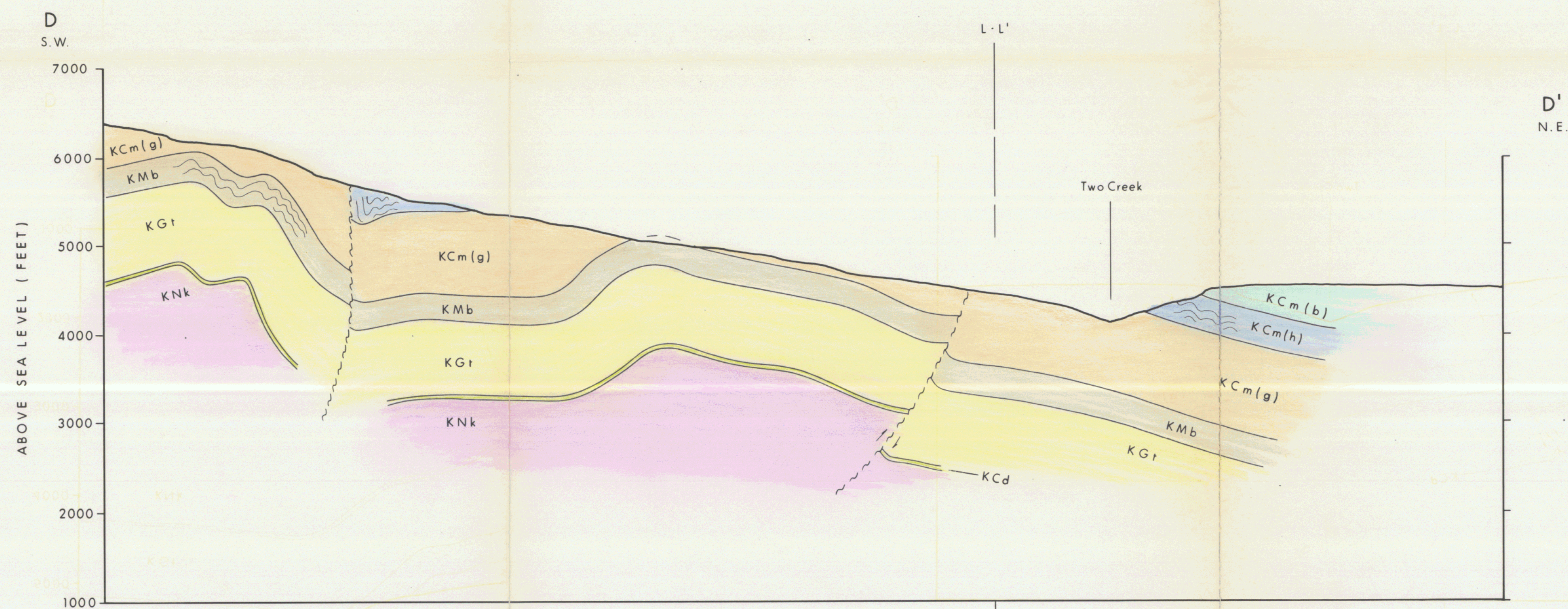
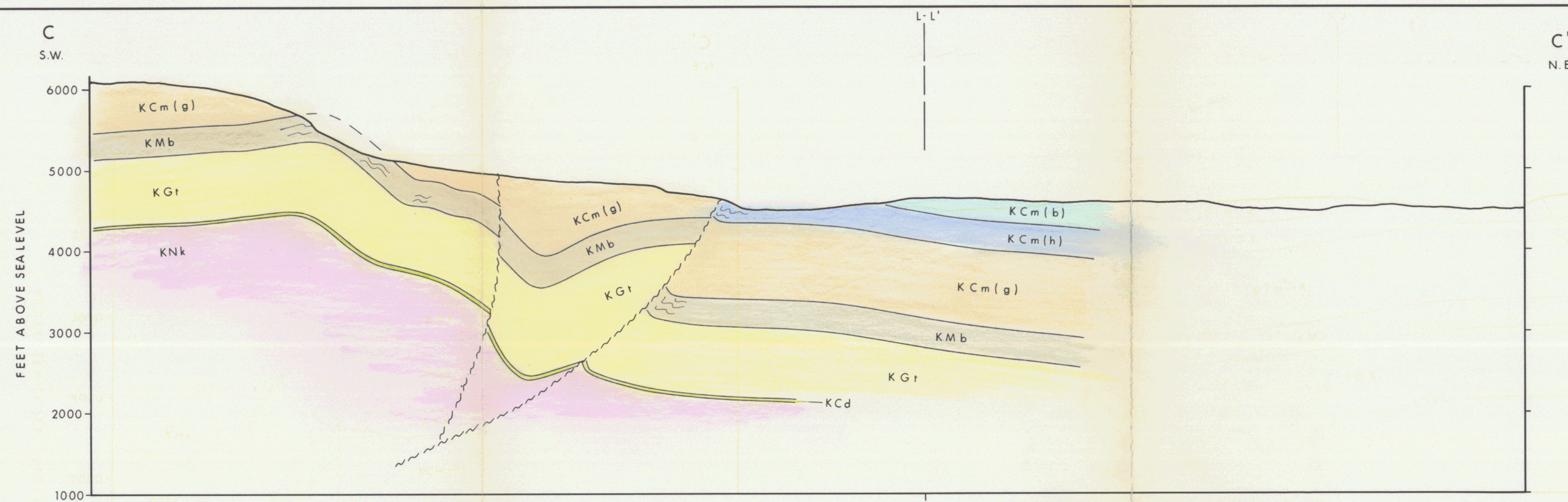
PR - JUVINETTE 74(2)C

**DENISON MINES LIMITED**  
(COAL DIVISION)  
CALGARY ALBERTA

**WOLVERINE**  
**CROSS SECTIONS A-A' & B-B'**

DRAWN BY: E. TOTH	DATE: Jan. '75	SCALE: 1" = 1000'
APPROVED BY:	DRAWING NO: WLVR 75-0552-R01	





- Sandstone
- Conglomerate
- Shale
- Mudstone
- Siltstone

#### CRETACEOUS

- Shaftesbury formation
- Commotion formation (Boulder Creek member)
- Commotion formation (Hullcross member)
- Commotion formation (Gates member)
- Moosebar formation
- Gething formation
- Cadomin formation
- Nikanassin formation

DENISON MINES LIMITED  
(COAL DIVISION)  
CALGARY ALBERTA



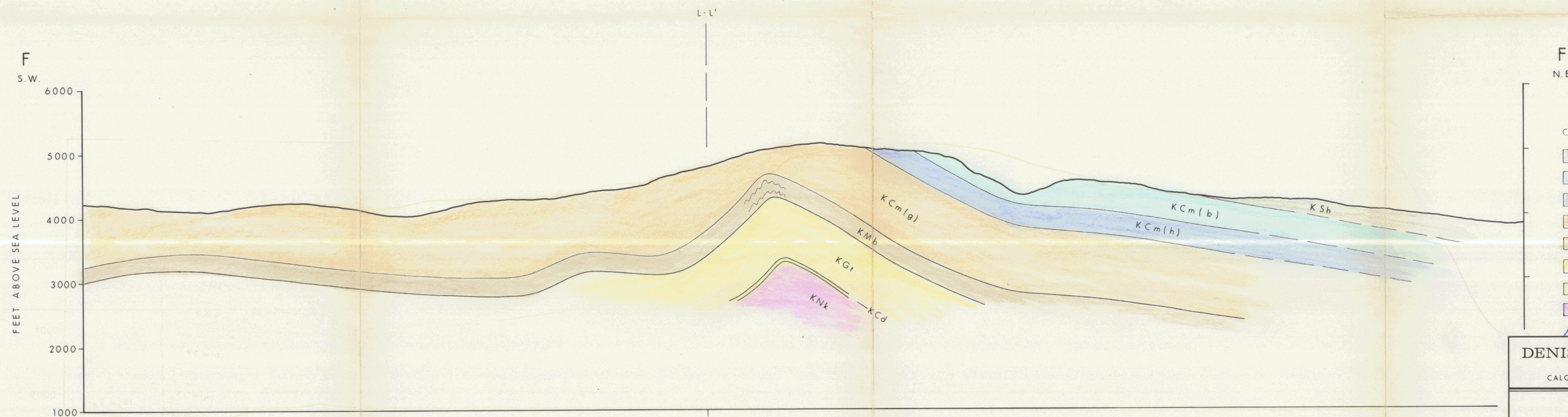
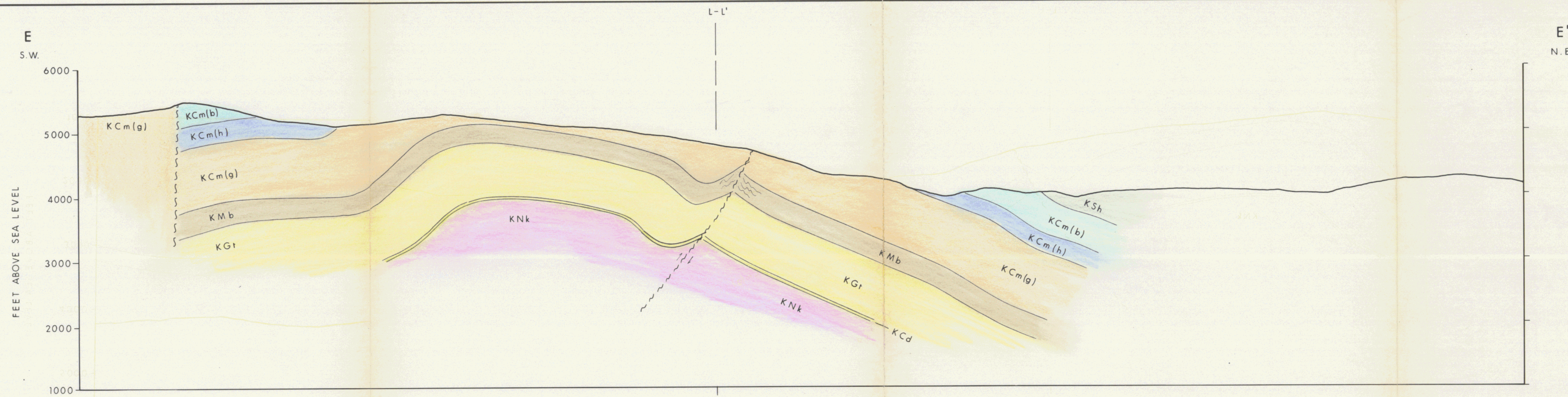
### WOLVERINE CROSS SECTIONS C-C' & D-D'

DRAWN BY: E. TOTR	DATE: Jan. '75	SCALE: 1" = 1000'
APPROVED BY:	DRAWING NO: WLVR 75 - 0552 - R01	

606

PR - QUINTEITE 7K(2)C.





- Sandstone
- Conglomerate
- Shale
- Mudstone
- Siltstone

CRETACEOUS

- Shaftesbury formation
- Commotion formation (Boulder Creek member)
- Commotion formation (Hullcross member)
- Commotion formation (Gates member)
- Moosebar formation
- Gething formation
- Cadamin formation
- Nikanassin formation

DENISON MINES LIMITED  
(COAL DIVISION)  
CALGARY ALBERTA

WOLVERINE  
CROSS SECTIONS E-E' & F-F'

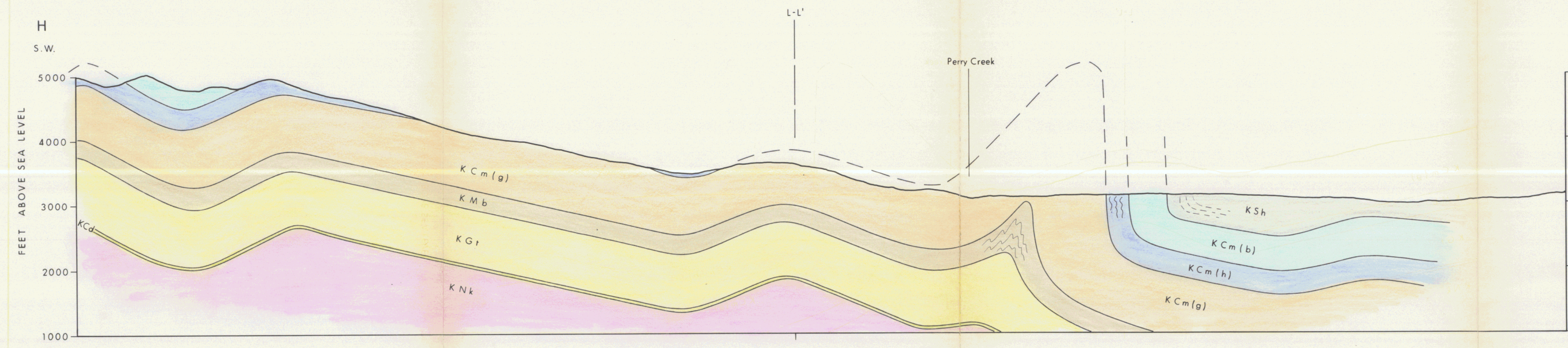
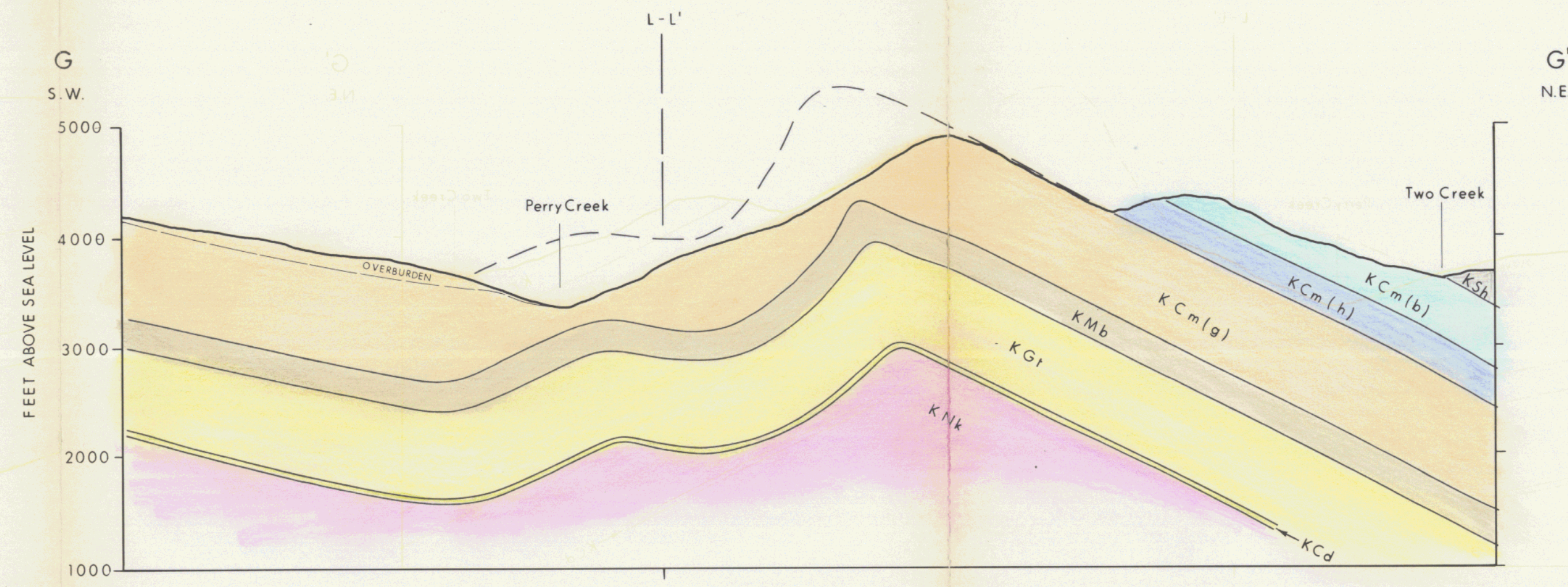
DRAWN BY: E. Toth DATE: Jan. '75 SCALE: 1" = 1000'  
APPROVED BY: DRAWING NO: WLVR 75-0552-R01

606

PR-QUINTETE 74(2)C

74(2)A





- Sandstone
- Conglomerate
- Shale
- Mudstone
- Siltstone

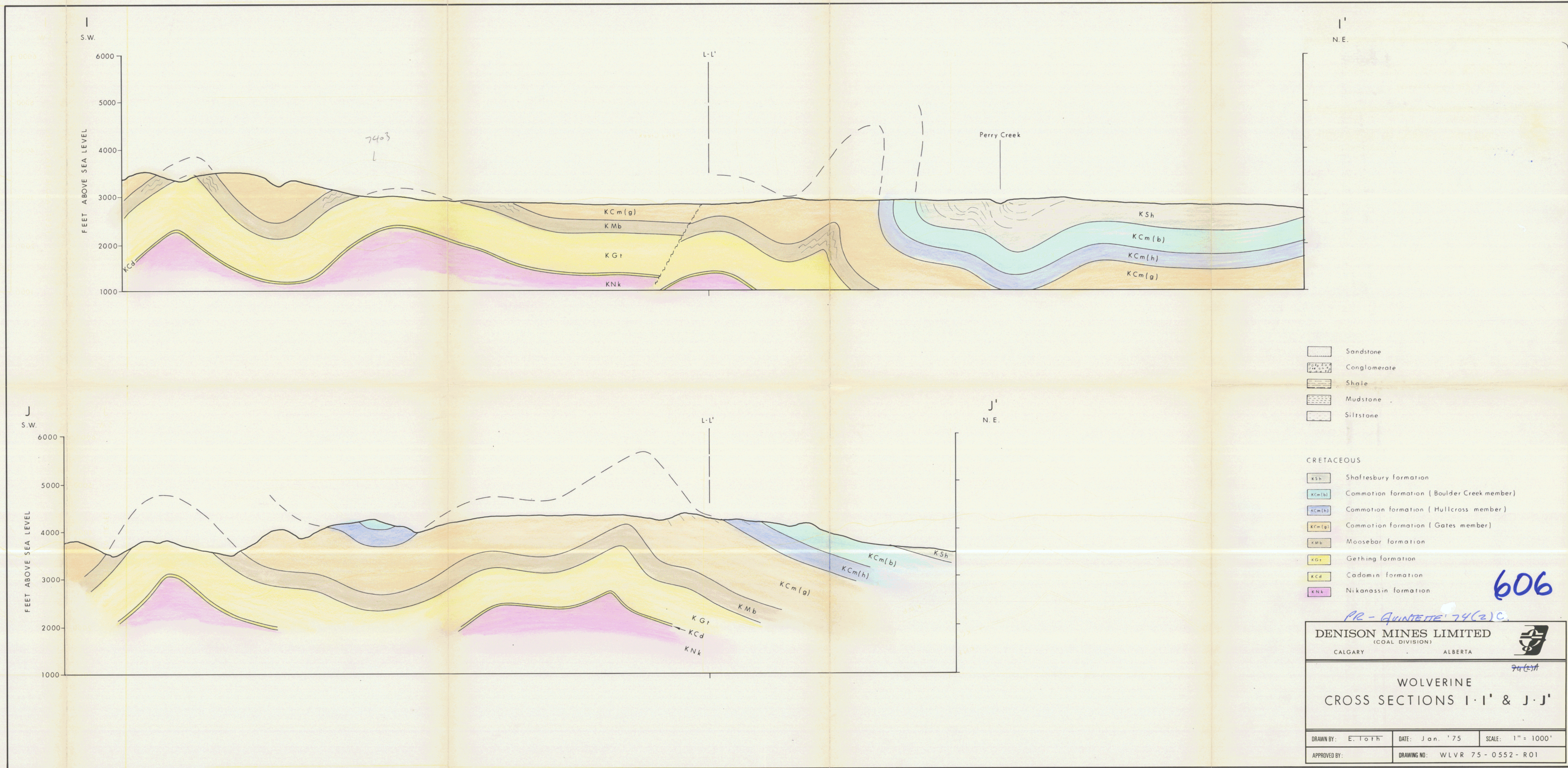
- H' N.E.
- CRETACEOUS
- KSh Shaftesbury formation
  - Kcm(b) Commotion formation (Boulder Creek member)
  - Kcm(h) Commotion formation (Hullcross member)
  - Kcm(g) Commotion formation (Gates member)
  - Kmb Moosebar formation
  - Kgt Gething formation
  - Kcd Cadomin formation
  - Knk Nikanassin formation

606

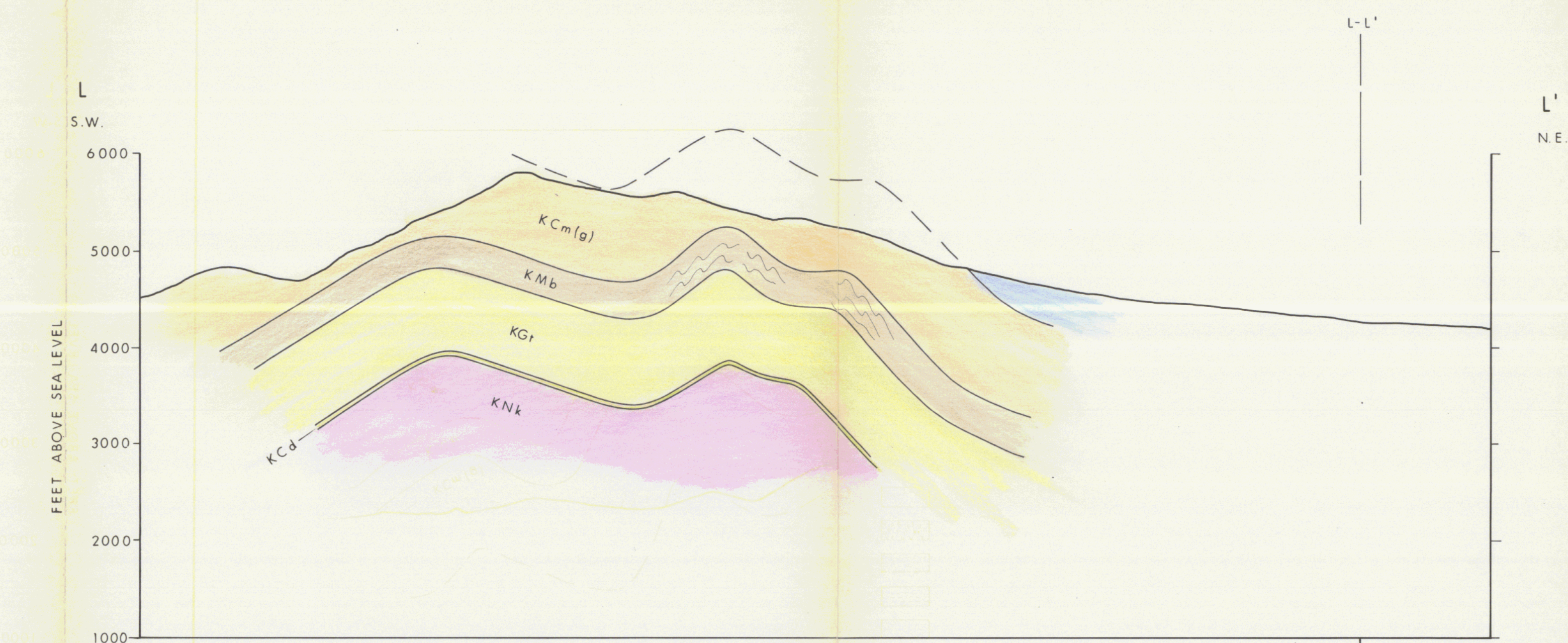
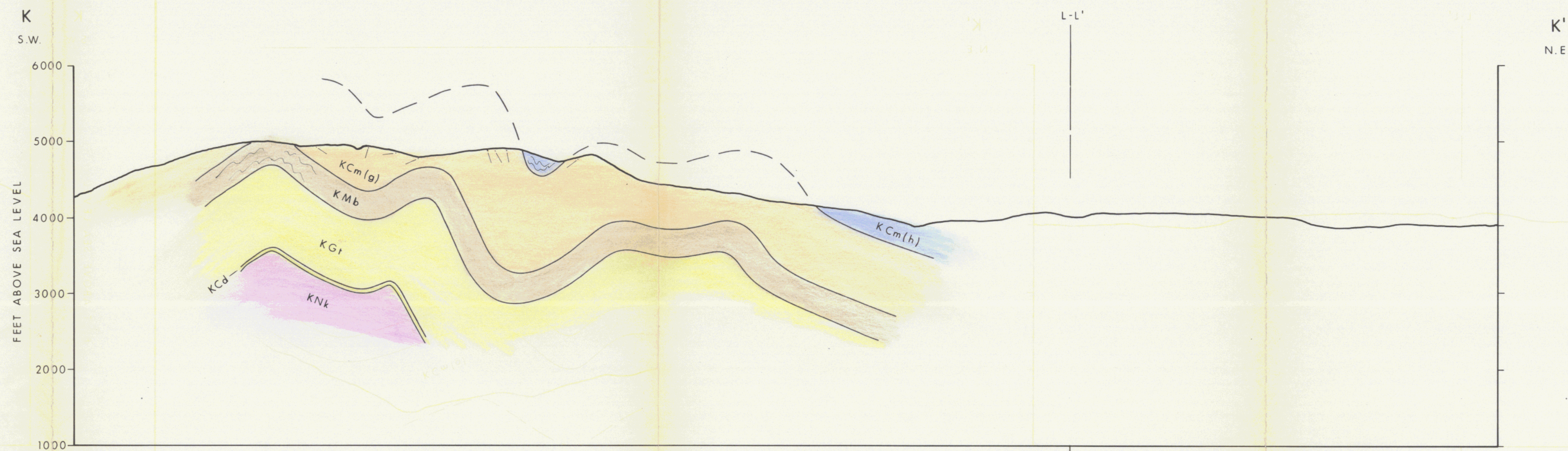
PR - QUINTELL 74(2) C.

<b>DENISON MINES LIMITED</b> (COAL DIVISION)		
CALGARY	ALBERTA	
<b>WOLVERINE</b> <b>CROSS SECTIONS G-G' &amp; H-H'</b>		
DRAWN BY: E. Toth	DATE: Jan. '75	SCALE: 1" = 1000'
APPROVED BY:	DRAWING NO: W LVR 75-0552-R01	









- Sandstone
- Conglomerate
- Shale
- Mudstone
- Siltstone

#### CRETACEOUS

- Shaftesbury formation
- Commotion formation (Boulder Creek member)
- Commotion formation (Hullcross member)
- Commotion formation (Gates member)
- Moosebar formation
- Gething formation
- Cadomin formation
- Nikanassin formation

**DENISON MINES LIMITED**  
(COAL DIVISION)  
CALGARY ALBERTA



### WOLVERINE CROSS SECTIONS K-K' & L-L'

DRAWN BY: E. Toth	DATE: Jan. '75	SCALE: 1" = 1000'
APPROVED BY:	DRAWING NO: WLVR 75-0552-R01	

606

PR-QUINTETTE 74(2)C







# ROKE

**OIL ENTERPRISES LTD. CALGARY, ALBERTA**

JAMMA RAY NEUTRON LOG

~~Mc - GILCHRIST~~ 74 131C

COMPANY DENISON MINES LIMITED

WELL QWD-74-01

LOCATION\_

FIELD WOLVERINEPROVINCE BRITISH COLUMBIA

RIG FLOOR 1.5 Ft. Above

\_\_\_\_\_

19 OCTOBER 19/4

000	.	.
771	.	.

	711	
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[illegible][illegible]

2 HOURS


Witnessed by	
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Witnessed by	
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Witnessed by	
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Witnessed by	
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Witnessed by	
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Witnessed by	
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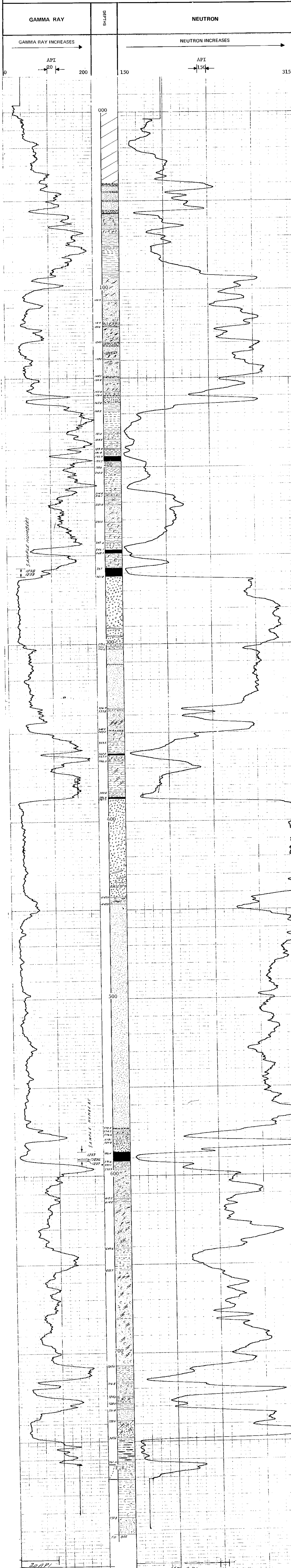
Witnessed by	
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GAMMA RAY		NEUTRON	
RUN NO.	ONE	RUN NO.	ONE
TOOL MODEL NO.		LOG TYPE	NEUTRON/NEUTRON
DIAMETER	1 $\frac{11}{16}$	TOOL MODEL NO.	
DETECTOR MODEL NO.		DIAMETER	1 $\frac{11}{16}$
TYPE	GEIGER	DETECTOR MODEL NO.	
LENGTH	18 INCH	TYPE	PROPORTIONAL
DISTANCE TO N. SOURCE	8.55 FT.	LENGTH	6 INCH
		SOURCE MODEL NO.	MRC-N-SS-W
GENERAL		SERIAL NO.	50
HOIST TRUCK NO.		SPACING	17 INCH
INSTRUMENT TRUCK NO.	35	TYPE	AmBe
TOOL SERIAL NO.	177	STRENGTH	3 CURIES

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[illegible]

	REMARKS

[illegible]



ROKE

SIDEWALL DENSILOG

OIL ENTERPRISES LTD. CALGARY, ALBERTA

FILE NO. COMPANY DENISON MINES LIMITED

WELL QND-74-01

LOCATION

FIELD WOTVENINE

PROVINCE BRITISH COLUMBIA

Permanent Datum GROUND LEVEL Elev

Log Measured from RTG FLOOR 1.5 Ft. Above Perm. Datum

Well Depth Measured from RTG FLOOR

Run No. QNF

Date 19 OCTOBER 1974

First Reading 769

Last Reading 000

Footage Logged 769

Depth Readed 772

Casing Driller

Casing Driller

Fluid Type

Liquid Level

Min. Diam. HQ

Operating Time 2 HOURS

Truck No. 35

Recorded By PETERSON

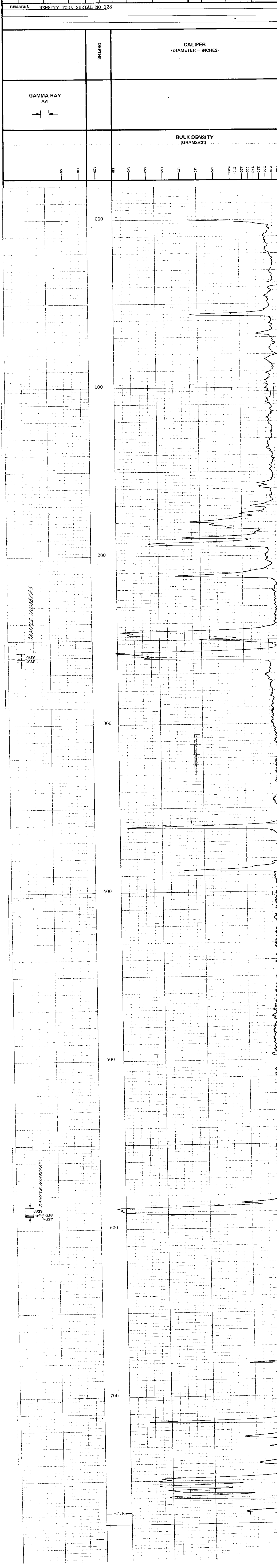
Witnessed By GORELITY

SIDEWALL DENSILOG	T.C. SEC.	SENS SETTINGS	ZERO DIV. L OR R	CPS/DIV
	3	1000	26R	44.23

GAMMA RAY	API G.R. UNITS PER LOG DIV.	ZERO DIV. L OR R	SENS SETTINGS	T.C. SEC.

GENERAL	DEPTHS	SPEED FT/MIN	T.C. SEC.	SENS SETTINGS	ZERO DIV. L OR R	API G.R. UNITS PER LOG DIV.	K.B. GSN	C.S.G.	G.L.
Run No.	000	769	10						

REMARKS	DENSITY TOOL SERIAL NO 128
---------	----------------------------





16-441312 741312

ROKE

SIDEWALL DENSILOG  
CALIPER

OIL ENTERPRISES LTD. CALGARY, ALBERTA

FILE NO. COMPANY DENTISON MINES LIMITED

WELL QX-74-02

LOCATION

FIELD

606

PROVINCE BRITISH COLUMBIA

GROUND LEVEL

Log Measured from RIG FLOOR 1.5 Ft. Above Perm. Datum

Well Depths Measured from RIG FLOOR

GRN

Other Services:

K.B.

CSG

GL

Run No.

Date 25 OCTOBER 1974

First Reading

Last Reading

Footage Logged

Depth Reached

Depth Driller

Casing Driller

Fluid Type

Liquid Level

Min. Diam.

HQ

Operating Time

Truck No.

3 HOURS

35

Recorded By PETERSON

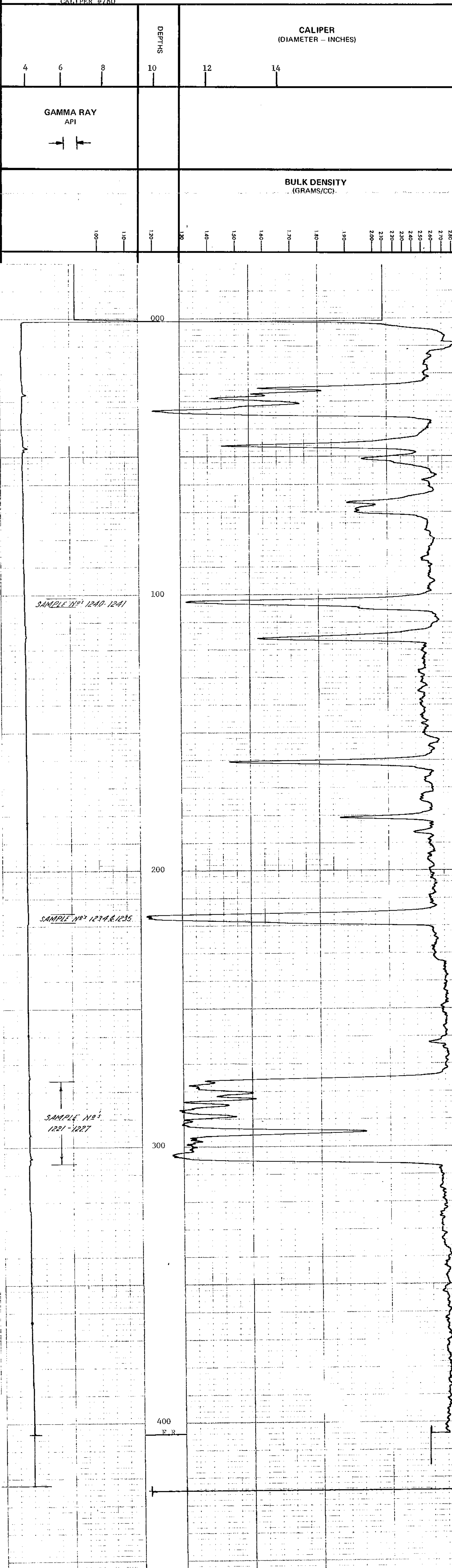
Witnessed By JOHNSON

GENERAL			GAMMA RAY				SIDEWALL DENSILOG			
RUN NO.	DEPTHS		T.C. SEC.	SENS SETTINGS	ZERO DIV. L OR R	API G.R. UNITS PER LOG DIV.	T.C. SEC.	SENS SETTINGS	ZERO DIV. L OR R	CPS/ DIV
	FROM	TO								
1	000	404					3	1000	2.6R	44.23

REMARKS

DENSITY TOOL SERIAL NO 128

CALIPER #780





# ROKE

OIL ENTERPRISES LTD. CALGARY, ALBERTA

GAMMA RAY NEUTRON LOG

12 - ALUMINITE 74(3)C.

7403

FILE NO. \_\_\_\_\_ COMPANY DENTSON MINES LIMITED

SEC  
WELL  
QM-74-0

LOCATION

FORM NO. 10-60

100

Permanent Datum	PROVINCE	BRITISH

Log Measured from RIG FLOOR . . .  
Well Depths Measured from PTC TROOP . . .[illegible]

Date	3 NOVEMBER 1974
------	-----------------

First Reading	195
Last Reading	000

Footage Logged	795
Depth Reached	796

Depth Driller	796
Coring Date	

Casing Driller	80
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Liquid Level	94
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Min. Diam. -	HQ

Rm @ OF	
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Truck No.	35
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[illegible][illegible]
$$\frac{d}{dt} \int_{\Omega} u^2 dx + \int_{\Omega} |\nabla u|^2 dx = \int_{\Omega} f(x) u^2 dx - \int_{\Omega} g(x) u^2 dx$$
[illegible]

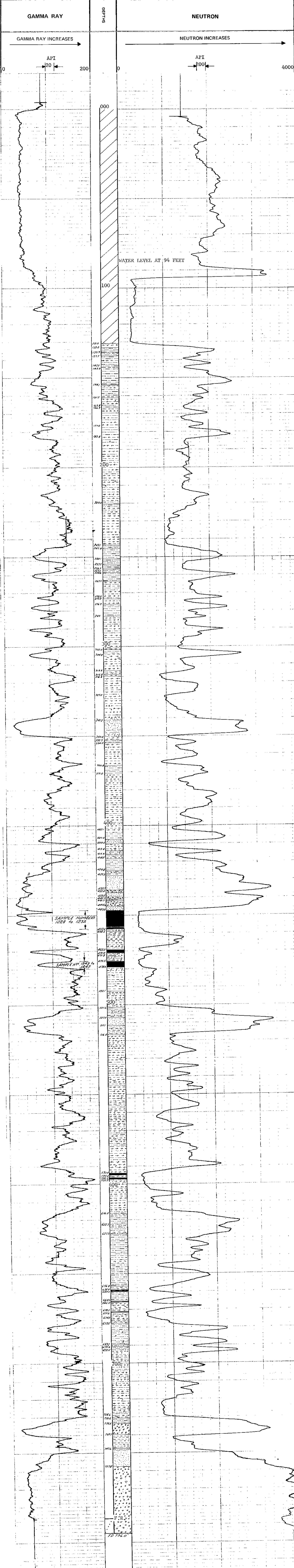
## EQUIPMENT DATA

GAMMA RAY		NEUTRON	
RUN NO.	ONE	RUN NO.	ONE
TOOL MODEL NO.		LOG TYPE	NEUTRON/NEUTRON
DIAMETER	1 $\frac{11}{16}$	TOOL MODEL NO.	
DETECTOR MODEL NO.		DIAMETER	1 $\frac{11}{16}$
TYPE	GEIGER	DETECTOR MODEL NO.	
LENGTH	18 INCH	TYPE	PROPORTIONAL
DISTANCE TO N. SOURCE	8.55 FT.	LENGTH	6 INCH
		SOURCE MODEL NO.	MRC-N-SS-W
GENERAL		SERIAL NO.	50
HOIST TRUCK NO.		SPACING	17 INCH
INSTRUMENT TRUCK NO.	35	TYPE	AmBe
TOOL SERIAL NO.	177	STRENGTH	3 CURIES

## LOGGING DATA

[illegible]

REMARKS	SPERRY SUN READINGS - 343° INCLINATION - 59° ANGLE AT 250 FEET
	- 347.5° INCLINATION - 63° ANGLE AT 518 FEET
	- 343° INCLINATION - 67° ANGLE AT 790 FEET

[illegible]

29	20
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1.2
6.6
1.7
9.1
7.1
4.6
1.1
10.1
5.0
37.2

22.1
1.9
5.9
2.0
2.2
1
4.9
8.5
1.2

20
67
185
18
17
23
22
182
161

91
1.1
1.2
12
4
20
4
2
2

[illegible]

Run	Time (min)	Temp (°C)	Pressure (mm Hg)	Flow Rate (ml/min)	Detector Response
1	0.5	100	1.0	0.5	0.1
2	1.0	100	1.0	0.5	0.2
3	1.5	100	1.0	0.5	0.3
4	2.0	100	1.0	0.5	0.4
5	2.5	100	1.0	0.5	0.5
6	3.0	100	1.0	0.5	0.6
7	3.5	100	1.0	0.5	0.7
8	4.0	100	1.0	0.5	0.8
9	4.5	100	1.0	0.5	0.9
10	5.0	100	1.0	0.5	1.0
11	5.5	100	1.0	0.5	1.1
12	6.0	100	1.0	0.5	1.2
13	6.5	100	1.0	0.5	1.3
14	7.0	100	1.0	0.5	1.4
15	7.5	100	1.0	0.5	1.5
16	8.0	100	1.0	0.5	1.6
17	8.5	100	1.0	0.5	1.7
18	9.0	100	1.0	0.5	1.8
19	9.5	100	1.0	0.5	1.9
20	10.0	100	1.0	0.5	2.0

[illegible][illegible]



# ROKEI

# SIDEWALL DENSLOG

OIL ENTERPRISES LTD. CALGARY, ALBERTA

FILE NO. \_\_\_\_\_

COMPANY - DENISON MINES LIMITED

LSD \_\_\_\_\_

SEC \_\_\_\_\_

TWP \_\_\_\_\_

RGE \_\_\_\_\_

N \_\_\_\_\_

W \_\_\_\_\_

LOCATION \_\_\_\_\_

WELL \_\_\_\_\_

04-74-03

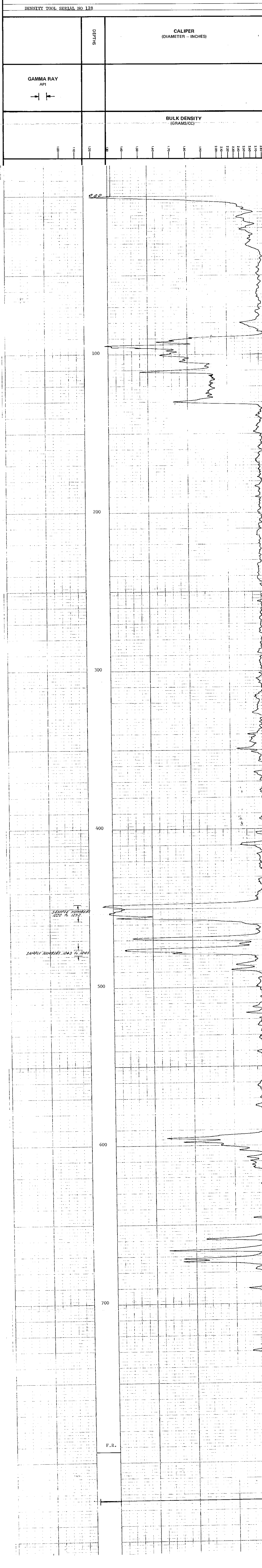
606

PROVINCE	BRITISH COLUMBIA	GRN
Permanent Datum	GROUND LEVEL	Elev. _____
Log Measured from	RIG FLOOR	2
Well Depth Measured from	RIG FLOOR	F. Above Perm. Datum
		G.L. _____
		K.B. _____
		CSG _____

[illegible][illegible]

100

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ROKE

SHED WALK OF NISLOG

Oil Enterprises Ltd. Calgary, Alberta

606

FILE NO.

COMPANY

WELL

LOCATION

FIELD

PROVINCE

GROUND LEVEL

Log Measured from

Well Depths Measured from

Run No.

Date

First Reading

Last Reading

Footage Logged

Depth Measured

Casing Hole

Casing Driller

Fluid Type

Liquid Level

Min. Diam.

Operating Time

Truck No.

Recorded By

Witnessed By

DEWISON MINES LIMITED

QUID-74-01

WOVERINE

BRITISH COLUMBIA

1.5

FT. ABOVE Perm. Datum

ONE

19 OCTOBER 1974

769

000

769

772

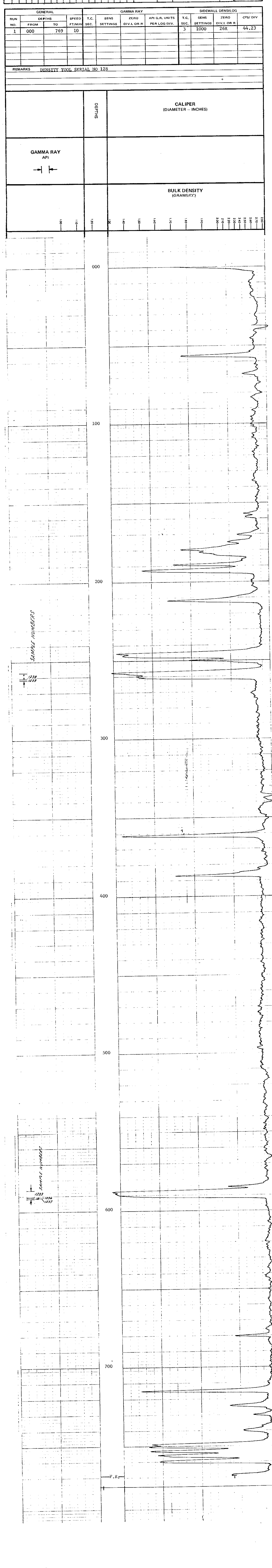
HQ

2 HOURS

35

PETERSON

CORLEY









(dup. copy)

EQUIPMENT DATA			
GAMMA RAY		NEUTRON	
RUN NO.	ONE	RUN NO.	ONE
TOOL MODEL NO.		LOG TYPE	NEUTRON/NEUTRON
DIAMETER	1 $\frac{11}{16}$	TOOL MODEL NO.	
DETECTOR MODEL NO.		DIAMETER	1 $\frac{11}{16}$
TYPE	GEIGER	DETECTOR MODEL NO.	
LENGTH	18 INCH	TYPE	PROPORTIONAL
DISTANCE TO N. SOURCE	8.55 FT.	LENGTH	6 INCH
		SOURCE MODEL NO.	MRC-N-SS-W
GENERAL		SERIAL NO.	50
HOIST TRUCK NO.		SPACING	17 INCH
INSTRUMENT TRUCK NO.	35	TYPE	AmBe

[illegible]

GAMMA RAY INCREASES →		NEUTRON INCREASES →
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[illegible]







# Faint

Recorded By	E. ELKSON	Witnessed
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SAMPLE N<sup>os</sup> 1240-1241

100

200

SAMPLE N<sup>os</sup> 1234-1235

300

SAMPLE N<sup>os</sup> 1221-1227



WOLVERINE 7402 PR-QUINTETTE 7443C dup copy

JOKE

WOLVERINE 7402-02  
GRABER FROM SECTION LOG

OIL ENTERPRISES LTD. CALGARY, ALBERTA

COMPANY JOHNSON MINES LIMITED

WELL SW-74-02

LOCATION WOLVERINE

FIELD

PROVINCE SASKATCHEWAN

NEARBY TOWN 1.5 mi. above Fern, Quam

DATE 23 JUNE 1974

TIME 09:00

LOG NO. 606

LOG TYPE

LOG NO.

LOG NO.

LOG NO.

LOG NO.

LOG NO.

LOG NO.

LOG NO.

LOG NO.

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LOG NO.

LOG NO.



WOLVERINE 7402

ROKE

OIL ENTERPRISES LTD. CALGARY, ALBERTA

FILE NO. COMPANY DENISON MINES LIMITED

WELL (M-74-02)

LOCATION

FIELD

PROVINCE BRITISH COLUMBIA

PERMIT DATA GRADUATED LEVEL

Log Measured from 3.10 STAGE 1.5 Ft. Above Perm. Origin

Well Depth Measured from 310 FT. 000

Run No. 25

Date 25 OCTOBER 1974

First Reading 406

Last Reading 406

Footage Logged 406

Depth Reached 407

Depth Driller 407

Coring Rate

Coring Driller

Fluid Type

Liquid Level

Min. Diam.

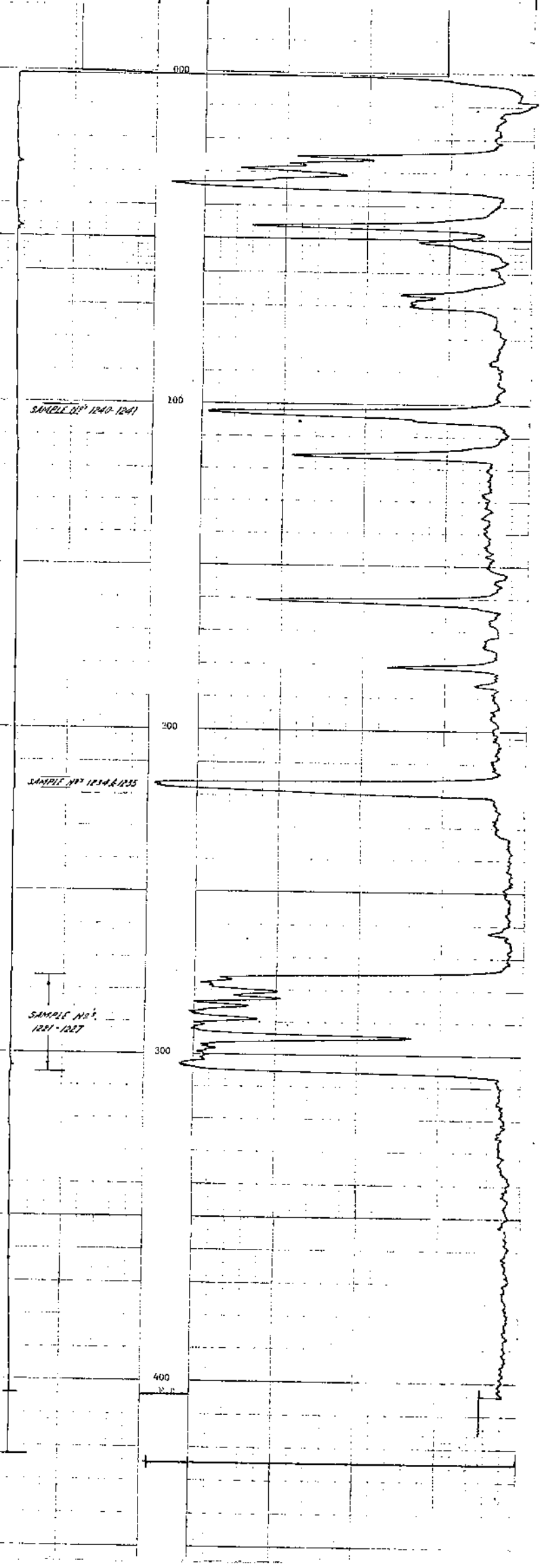
606

GENERAL			GAMMA RAY			SIDEWALL DENSITOMETER		
RUN NO.	DEPTH		Y.C. SEC.	SENS SETTINGS	ZERO DIV. L OR R	API G.R. UNITS PER LOG DIV.	T.C. SEC.	SENS SETTINGS
	FROM	TO						
1	000	404	10				1	1000

REMARKS

DENSITY TOOL SERIAL NO 128 CALIPER #780

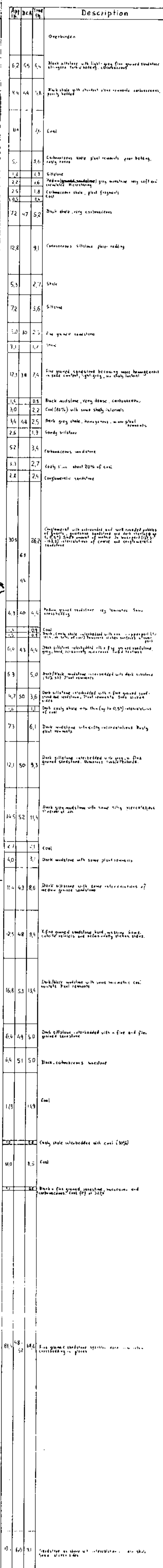
CALIPER (DIAMETER - INCHES)		
4	6	8
10	12	14
GAMMA RAY API		
BULK DENSITY (GRAMS/CC)		





606

REMARKS	SPERRY SUN READINGS	-AT 250 FEET - INCLINATION 4.5° OBSERVED DIRECTION N.E.-20°
		-AT 400 FEET - INCLINATION 6.8° OBSERVED DIRECTION N.E.-18°









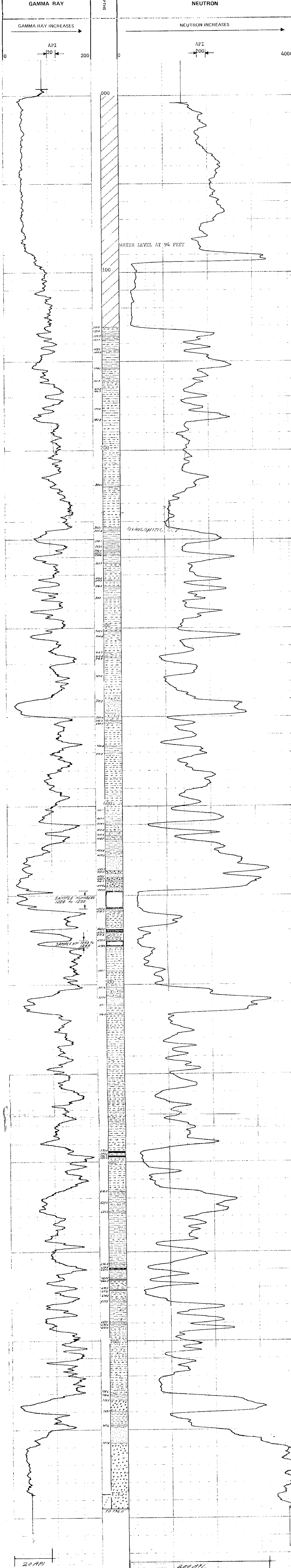
PC-OUNITETTE 74(3)C (4-9-69)

ROKE		SANDH. SAND. NEUTRON LOG	
OIL ENTERPRISES LTD. CALGARY, ALBERTA			
FILE NO.	COMPANY	DANSON JAMES LIMITED	
SEC	WELL	GR-74-03	
TWP	RGE	M	
LOC	LOCATION	MOYERIE	
FIELD	PROVINCE	BRITISH COLUMBIA	
PERMANENT DATUM	GROUND LEVEL	Elev. _____	
Log Measured from	RTG. ELEV.	2	
Well Depth Measured from	RTG. ELEV.	2	
Run No.	DATE	3 NOVEMBER 1974	
First Reading	API	795	
Last Reading	API	000	
Focus Logged	FOCUS	795	
Depth Reading	DEPTH	796	
Depth Driller	DEPTH	796	
Casing Driller	DEPTH	80	
Fluid Type	FLUID	AIR/WATER	
Liquid Level	LIQ. LVL.	94	
Wind Dir.	WIND	HQ	
Run @	TIME	9:45	
Operating Time	TIME	2 HOURS	
Truck No.	TRUCK	35	
Recorded By	WITNESSED BY	PETERSON SMITH	

EQUIPMENT DATA			
GAMMA RAY		NEUTRON	
RUN NO.	ONE	RUN NO.	ONE
TOOL MODEL NO.		LOG TYPE	NEUTRON/NEUTRON
DIAMETER	1 1/2	TOOL MODEL NO.	
DETECTOR MODEL NO.		DIAMETER	1 1/2
TYPE	GEIGER	DETECTOR MODEL NO.	
LENGTH	18 INCH	TYPE	PROPORTIONAL
DISTANCE TO N. SOURCE	8.55 FT.	LENGTH	6 INCH
		SOURCE MODEL NO.	MRC-N-SS-W
		SERIAL NO.	50
		SPACING	17 INCH
		TYPE	AmBe
		STRENGTH	3 CURIES

LOGGING DATA											
GENERAL			GAMMA RAY				NEUTRON				API N. UNITS
NO.	FROM	TO	SPEED	T.C.	SENS.	ZERO	API G. R. UNITS	T.C.	SENS.	ZERO	API N. UNITS
1	000	795	12	3	500	OL	20	3	1000	OL	200

REMARKS SPERRY SUN READINGS - 343° INCLINATION - 59° ANGLE AT 250 FEET  
- 347.5° INCLINATION - 63° ANGLE AT 518 FEET  
- 343° INCLINATION - 67° ANGLE AT 790 FEET



1. 2. 3. 4. 5. 6. 7. 8. 9. 10. 11. 12. 13. 14. 15. 16. 17. 18. 19. 20. 21. 22. 23. 24. 25. 26. 27. 28. 29. 30. 31. 32. 33. 34. 35. 36. 37. 38. 39. 40. 41. 42. 43. 44. 45. 46. 47. 48. 49. 50. 51. 52. 53. 54. 55. 56. 57. 58. 59. 60. 61. 62. 63. 64. 65. 66. 67. 68. 69. 70. 71. 72. 73. 74. 75. 76. 77. 78. 79. 80. 81. 82. 83. 84. 85. 86. 87. 88. 89. 90. 91. 92. 93. 94. 95. 96. 97. 98. 99. 100. 101. 102. 103. 104. 105. 106. 107. 108. 109. 110. 111. 112. 113. 114. 115. 116. 117. 118. 119. 120. 121. 122. 123. 124. 125. 126. 127. 128. 129. 130. 131. 132. 133. 134. 135. 136. 137. 138. 139. 140. 141. 142. 143. 144. 145. 146. 147. 148. 149. 150. 151. 152. 153. 154. 155. 156. 157. 158. 159. 160. 161. 162. 163. 164. 165. 166. 167. 168. 169. 170. 171. 172. 173. 174. 175. 176. 177. 178. 179. 180. 181. 182. 183. 184. 185. 186. 187. 188. 189. 190. 191. 192. 193. 194. 195. 196. 197. 198. 199. 200. 201. 202. 203. 204. 205. 206. 207. 208. 209. 210. 211. 212. 213. 214. 215. 216. 217. 218. 219. 220. 221. 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622. 623. 624. 625. 626. 627. 628. 629. 630. 631. 632. 633. 634. 635. 636. 637. 638. 639. 640. 641. 642. 643. 644. 645. 646. 647. 648. 649. 650. 651. 652. 653. 654. 655. 656. 657. 658. 659. 660. 661. 662. 663. 664. 665. 666. 667. 668. 669. 670. 671. 672. 673. 674. 675. 676. 677. 678. 679. 680. 681. 682. 683. 684. 685. 686. 687. 688. 689. 690. 691. 692. 693. 694. 695. 696. 697. 698. 699. 700. 701. 702. 703. 704. 705. 706. 707. 708. 709. 710. 711. 712. 713. 714. 715. 716. 717. 718. 719. 720. 721. 722. 723. 724. 725. 726. 727. 728. 729. 730. 731. 732. 733. 734. 735. 736. 737. 738. 739. 740. 741. 742. 743. 744. 745. 746. 747. 748. 749. 750. 751. 752. 753. 754. 755. 756. 757. 758. 759. 760. 761. 762. 763. 764. 765. 766. 767. 768. 769. 770. 771. 772. 773. 774. 775. 776. 777. 778. 779. 780. 781. 782. 783. 784. 785. 786. 787. 788. 789. 790. 791. 792. 793. 794. 795. 796. 797. 798. 799. 800. 801. 802. 803. 804. 805. 806. 807. 808. 809. 810. 811. 812. 813. 814. 815. 816. 817. 818. 819. 820. 821. 822. 823. 824. 825. 826. 827. 828. 829. 830. 831. 832. 833. 834. 835. 836. 837. 838. 839. 840. 841. 842. 843. 844. 845. 846. 847. 848. 849. 850. 851. 852. 853. 854. 855. 856. 857. 858. 859. 860. 861. 862. 863. 864. 865. 866. 867. 868. 869. 870. 871. 872. 873. 874. 875. 876. 877. 878. 879. 880. 881. 882. 883. 884. 885. 886. 887. 888. 889. 890. 891. 892. 893. 894. 895. 896. 897. 898. 899. 900. 901. 902. 903. 904. 905. 906. 907. 908. 909. 910. 911. 912. 913. 914. 915. 916. 917. 918. 919. 920. 921. 922. 923. 924. 925. 926. 927. 928. 929. 930. 931. 932. 933. 934. 935. 936. 937. 938. 939. 940. 941. 942. 943. 944. 945. 946. 947. 948. 949. 950. 951. 952. 953. 954. 955. 956. 957. 958. 959. 960. 961. 962. 963. 964. 965. 966. 967. 968. 969. 970. 971. 972. 973. 974. 975. 976. 977. 978. 979. 980. 981. 982. 983. 984. 985. 986. 987. 988. 989. 990. 991. 992. 993. 994. 995. 996. 997. 998. 999. 1000. 1001. 1002. 1003. 1004. 1005. 1006. 1007. 1008. 1009. 1010. 1011. 1012. 1013. 1014. 1015. 1016. 1017. 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ROKE

SHIDEWALL DENSITOMETER

72-0011777-74(3)C (4-2-59)

FILE NO.

COMPANY DENISON MINES LIMITED

WELL 04-74-03

LOCATION

FIELD

PROVINCE BRITISH COLUMBIA

GROUND LEVEL

WELL DEPTH MEASURED FROM

DATE

First Reading

Forecast Logged

Depth Reached

Depth Driller

Casing Hole

Fluid Type

Liquid Level

Wells Diagram

Operating Time

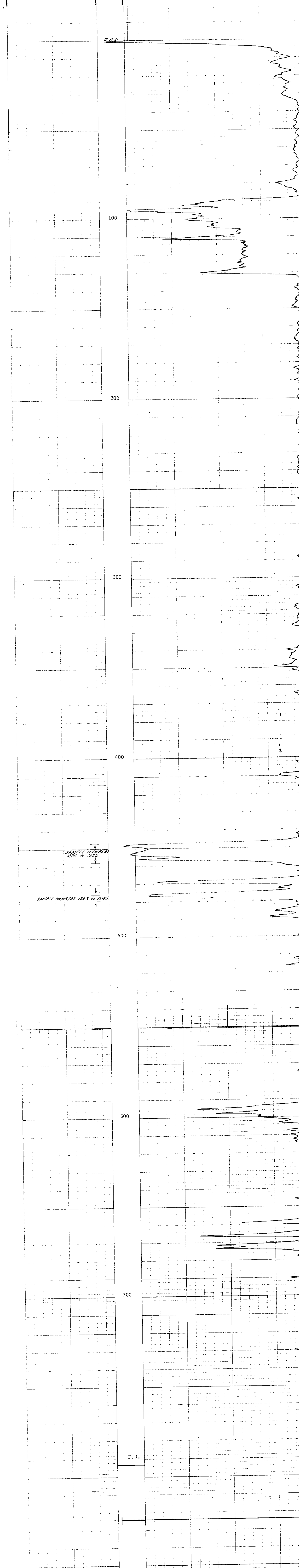
Truck No.

Recorded By

Witnessed By

606

| GENERAL                    |        |     |              | GAMMA RAY                   |               |                  |                             | SIDEWALL DENSITOMETER |               |                  |            |
|----------------------------|--------|-----|--------------|-----------------------------|---------------|------------------|-----------------------------|-----------------------|---------------|------------------|------------|
| RUN NO.                    | DEPTHS |     | SPEED FT/MIN | T.C. SEC.                   | SENS SETTINGS | ZERO DIV. L OR R | API G.R. UNITS PER LOG DIV. | T.C. SEC.             | SENS SETTINGS | ZERO DIV. L OR R | G.P.S. DIV |
|                            | FROM   | TO  |              |                             |               |                  |                             |                       |               |                  |            |
| 1                          | 000    | 793 | 10           |                             |               |                  |                             | 3                     | 1000          | 2.6R             | 44.23      |
| REMARKS                    |        |     |              |                             |               |                  |                             |                       |               |                  |            |
| DENSITY TOOL SERIAL NO 128 |        |     |              |                             |               |                  |                             |                       |               |                  |            |
|                            |        |     |              | CALIPER (DIAMETER - INCHES) |               |                  |                             |                       |               |                  |            |
|                            |        |     |              | DEPTHS                      |               |                  |                             |                       |               |                  |            |
|                            |        |     |              | GAMMA RAY API               |               |                  |                             |                       |               |                  |            |
|                            |        |     |              | BULK DENSITY (GRAMS/CC)     |               |                  |                             |                       |               |                  |            |





7403

MCQUETTE 7463C (dup)  
(copy)

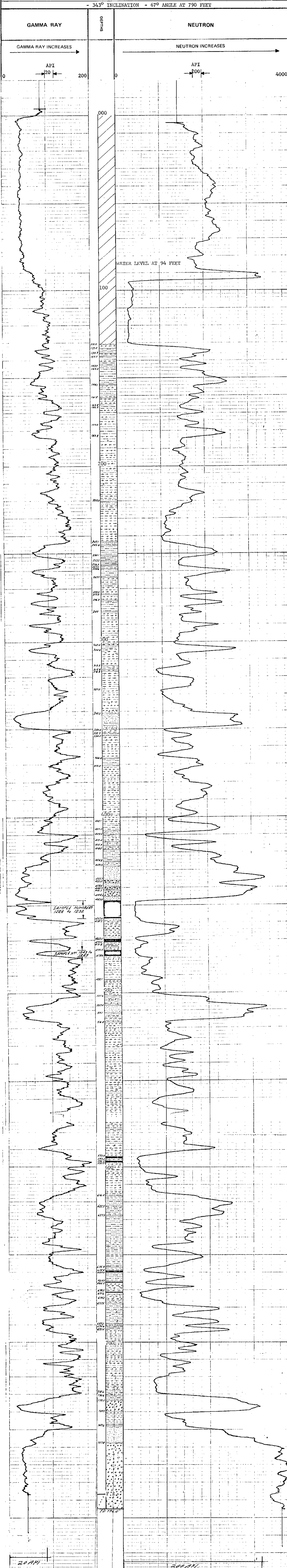
Stratigraphic log

|                                       |                 |                        |  |
|---------------------------------------|-----------------|------------------------|--|
| <b>ROKE</b>                           |                 | SANDRA 300 NEUTRON LOG |  |
| OIL ENTERPRISES LTD. CALGARY, ALBERTA |                 |                        |  |
| FILE NO.                              | COMPANY         | DENISON MINES LIMITED  |  |
| LSD                                   | WELL            | 08-74-03               |  |
| SEC                                   | LOC             | M                      |  |
| TYPE                                  | LOCATION        | WATERLINE              |  |
| W                                     | FIELD           | WATERLINE              |  |
| PROVINCE                              |                 | BRITISH COLUMBIA       |  |
| GROUND LEVEL                          |                 | Elev. _____            |  |
| Log Measured from                     |                 | FT. Above Perm. Datum  |  |
| Well Depth Measured from              |                 | FT. FLOOR              |  |
| Run No.                               | ONE             |                        |  |
| Date                                  | 3 NOVEMBER 1974 |                        |  |
| First Reading                         | 795             |                        |  |
| Last Reading                          | 000             |                        |  |
| Footage Logged                        | 795             |                        |  |
| Depth Reached                         | 796             |                        |  |
| Depth Driller                         | 796             |                        |  |
| Casing Rock                           |                 |                        |  |
| Casing Driller                        | 80              |                        |  |
| Fluid Type                            | ALUMINATE       |                        |  |
| Liquid Level                          | 94              |                        |  |
| Min. Dam.                             | 30              |                        |  |
| Run @                                 | 0f              |                        |  |
| Operating Time                        | 2 HOURS         |                        |  |
| Track No.                             | 35              |                        |  |
| Recorded By                           | PETERSON        |                        |  |
| Witnessed By                          | SMITH           |                        |  |

| EQUIPMENT DATA        |          |                    |                 |
|-----------------------|----------|--------------------|-----------------|
| GAMMA RAY             |          | NEUTRON            |                 |
| RUN NO.               | ONE      | RUN NO.            | ONE             |
| TOOL MODEL NO.        | 11 1/16  | LOG TYPE           | NEUTRON/NEUTRON |
| DIAMETER              | 11 1/16  | TOOL MODEL NO.     | 11 1/16         |
| DETECTOR MODEL NO.    | GEIGER   | DIAMETER           | 11 1/16         |
| TYPE                  | 18 INCH  | DETECTOR MODEL NO. | PROPORTIONAL    |
| LENGTH                | 8.55 FT. | TYPE               | 6 INCH          |
| DISTANCE TO N. SOURCE |          | LENGTH             | MRC-N-SS-W      |
| GENERAL               |          | SOURCE MODEL NO.   | 50              |
| HOIST TRUCK NO.       | 35       | SERIAL NO.         | 17 INCH         |
| INSTRUMENT TRUCK NO.  | 177      | SPACING            | AmBe            |
| TOOL SERIAL NO.       |          | TYPE               | 3 CURIES        |
|                       |          | STRENGTH           |                 |

| LOGGING DATA |        |     |        |           |          |             |                 |         |          |             |              |
|--------------|--------|-----|--------|-----------|----------|-------------|-----------------|---------|----------|-------------|--------------|
| GENERAL      |        |     |        | GAMMA RAY |          |             |                 | NEUTRON |          |             |              |
| RUN NO.      | DEPTHS |     | SPEED  | T.C.      | SENS     | ZERO        | API G. R. UNITS | T. C.   | SENS     | ZERO        | API N. UNITS |
|              | FROM   | TO  | FT/MIN | SEC.      | SETTINGS | DIV. L OR R | PER LOG DIV.    | SEC.    | SETTINGS | DIV. L OR R | PER LOG DIV. |
| 1            | 000    | 795 | 12     | 3         | 500      | OL          | 20              | 3       | 1000     | OL          | 200          |
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REMARKS SPERRY SUN READINGS - 343° INCLINATION - 59° ANGLE AT 250 FEET  
- 347.5° INCLINATION - 63° ANGLE AT 518 FEET  
- 343° INCLINATION - 67° ANGLE AT 790 FEET



- 26 18 BLACK ANTHROPE
- 27 18 1/2 SANDY CLAY, SANDSTONE, OR CLAY LAMINATED
- 28 18 1/2 SANDY CLAY, SANDSTONE, OR CLAY LAMINATED
- 29 18 1/2 SANDY CLAY, SANDSTONE, OR CLAY LAMINATED
- 30 18 1/2 SANDY CLAY, SANDSTONE, OR CLAY LAMINATED
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- 98 18 1/2 SANDY CLAY, SANDSTONE, OR CLAY LAMINATED
- 99 18 1/2 SANDY CLAY, SANDSTONE, OR CLAY LAMINATED
- 100 18 1/2 SANDY CLAY, SANDSTONE, OR CLAY LAMINATED



**CONFIDENTIAL**

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APPENDIX I

1974 WOLVERINE EXPLORATION REPORT

ANALYTICAL RESULTS FROM DRILL HOLE

& TRENCH SAMPLES

GEOLOGICAL BRANCH  
ASSESSMENT REPORT

00 606



Appendix I of this report contains coal quality data, and remains confidential under the terms of the *Coal Act Regulation*, Section 2(1). It has been removed from the public version.

[http://www.bclaws.ca/EPLibraries/bclaws\\_new/document/ID/freeside/10\\_251\\_2004](http://www.bclaws.ca/EPLibraries/bclaws_new/document/ID/freeside/10_251_2004)