



**Lodgepole Project  
1997 Field Season  
Report**

**For submission to Barry Ryan  
Coal Geologist  
BC Geological Survey Branch**

Appendices F & G

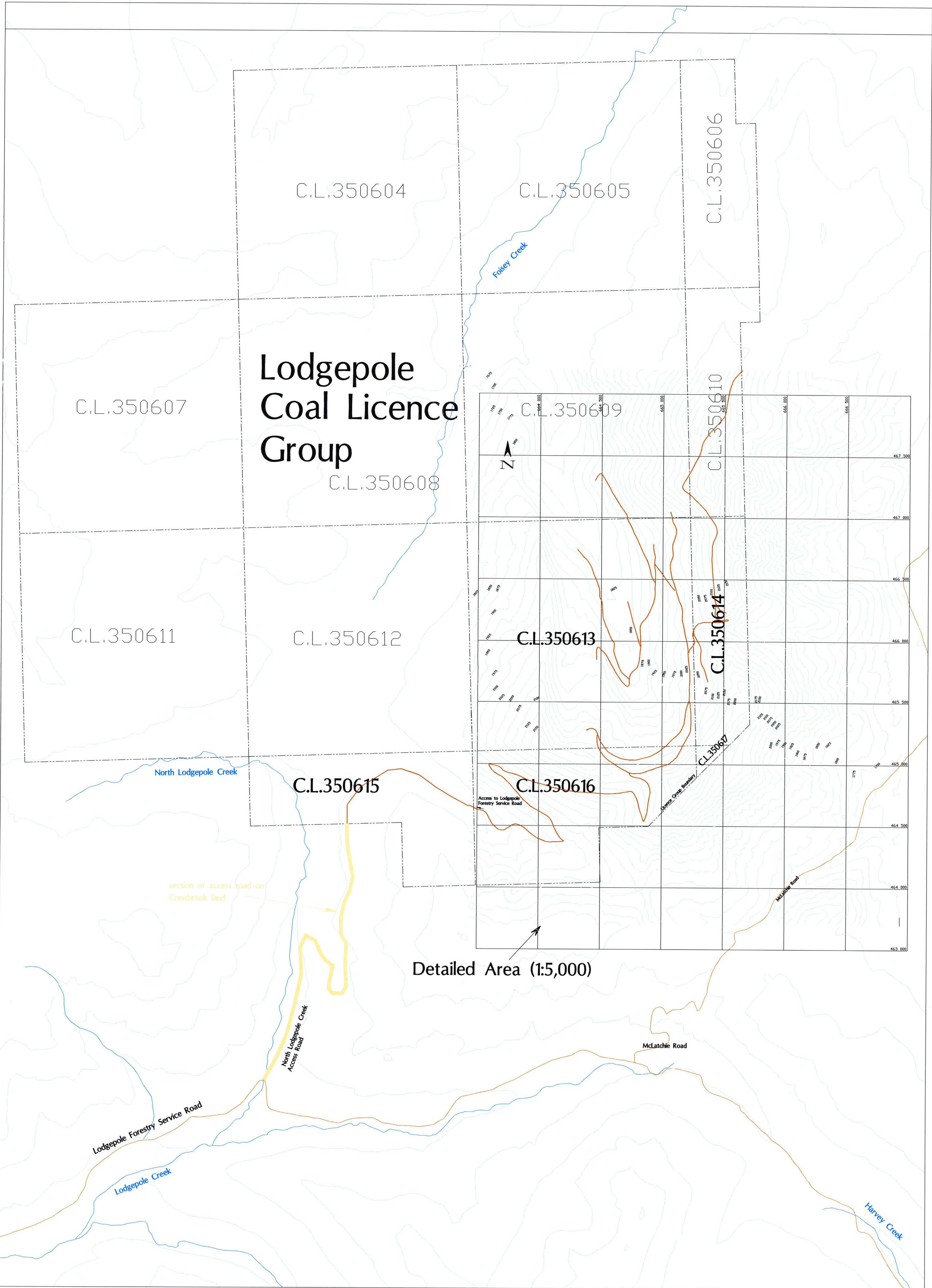
by

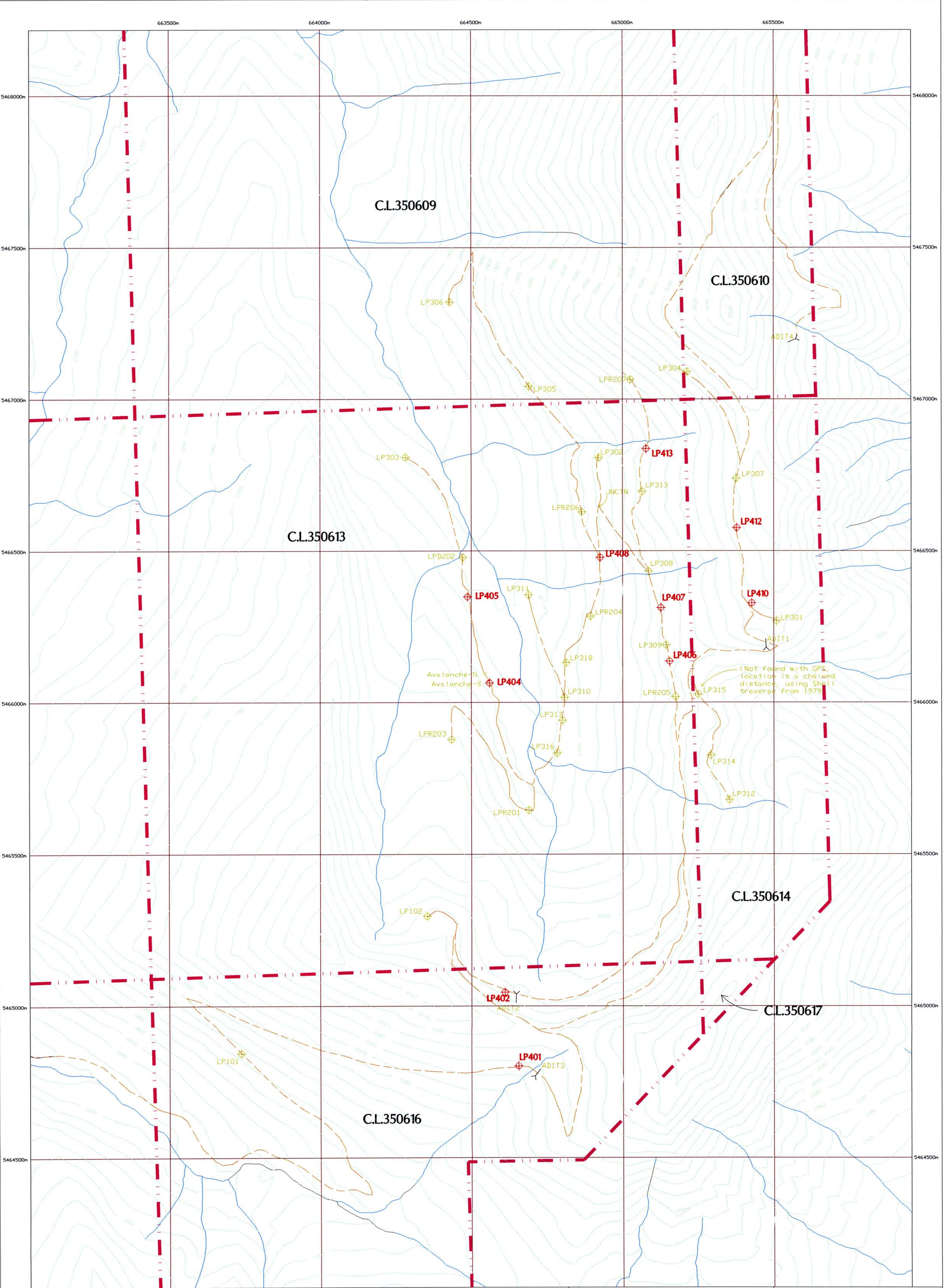
Ross T. Griffiths  
Project geologist

May 2000

## **Appendix F – Maps and Sections**

### ***Topography and Hole Locations***





**BASE LEGEND**

GPS Located Adit Site

Coal License Boundary

GPS Road (existing pre-1997)

GPS Located Drill Site - pre 1997

GPS Located Drill Site - 1997

LP101

LP401

MAP SCALE

0 500

Metres

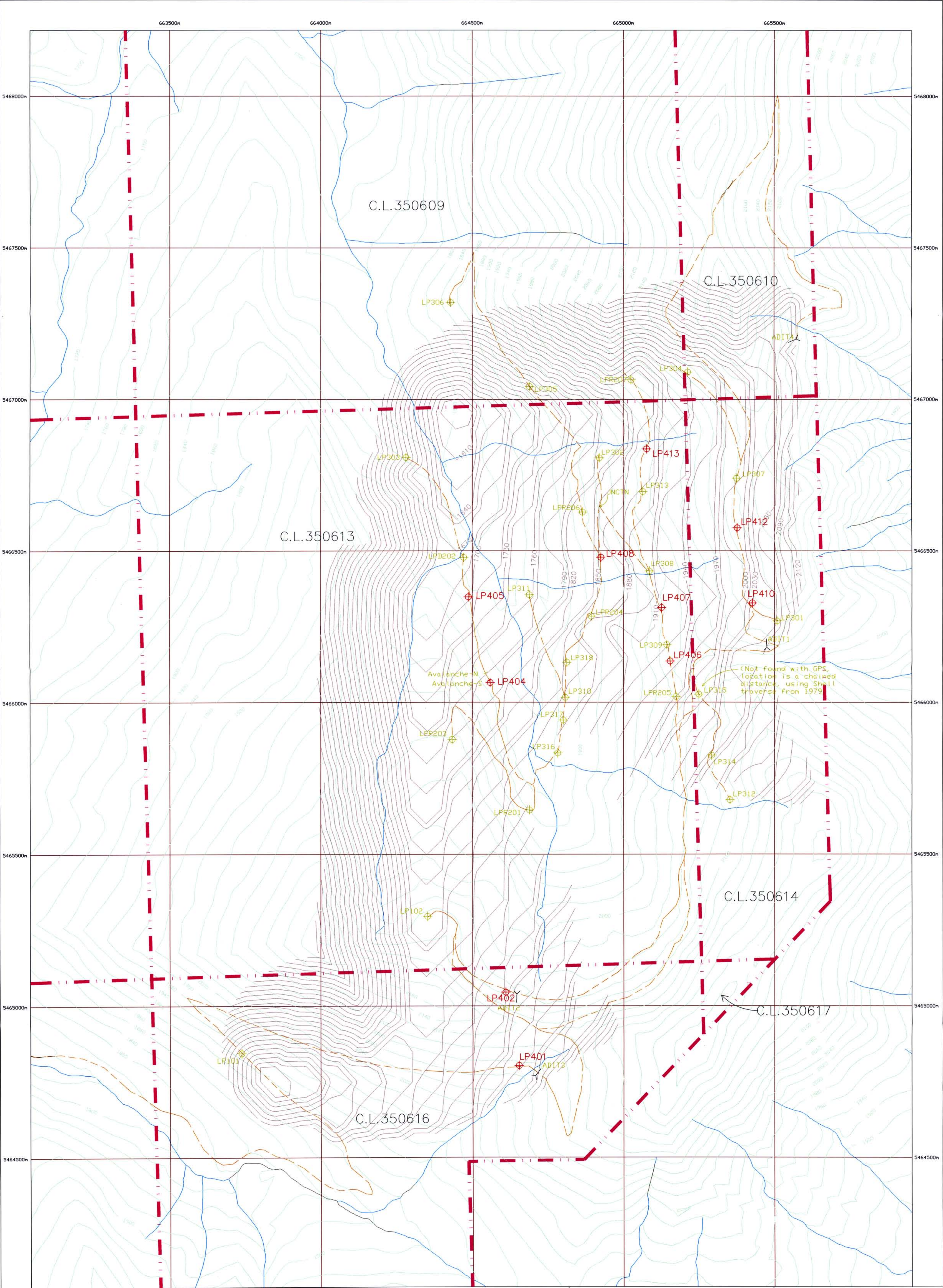
**Fording**  
COAL LIMITED

Coal Mountain Operations

**Lodgepole Coal Licences  
1997 Drill Hole Locations**

Date:	Scale:	Drawing Number:
11-12-97	1 : 5,000	CMD97-06

865



**BASE LEGEND**

GPS Located Adit Site

Coal License Boundary

GPS Road (existing pre-1997)

Current Topography

Conceptual 4:1 Pit Outline

GPS Located Drill Site - pre 1997

GPS Located Drill Site - 1997

LP101

LP401

MAP SCALE

0 500

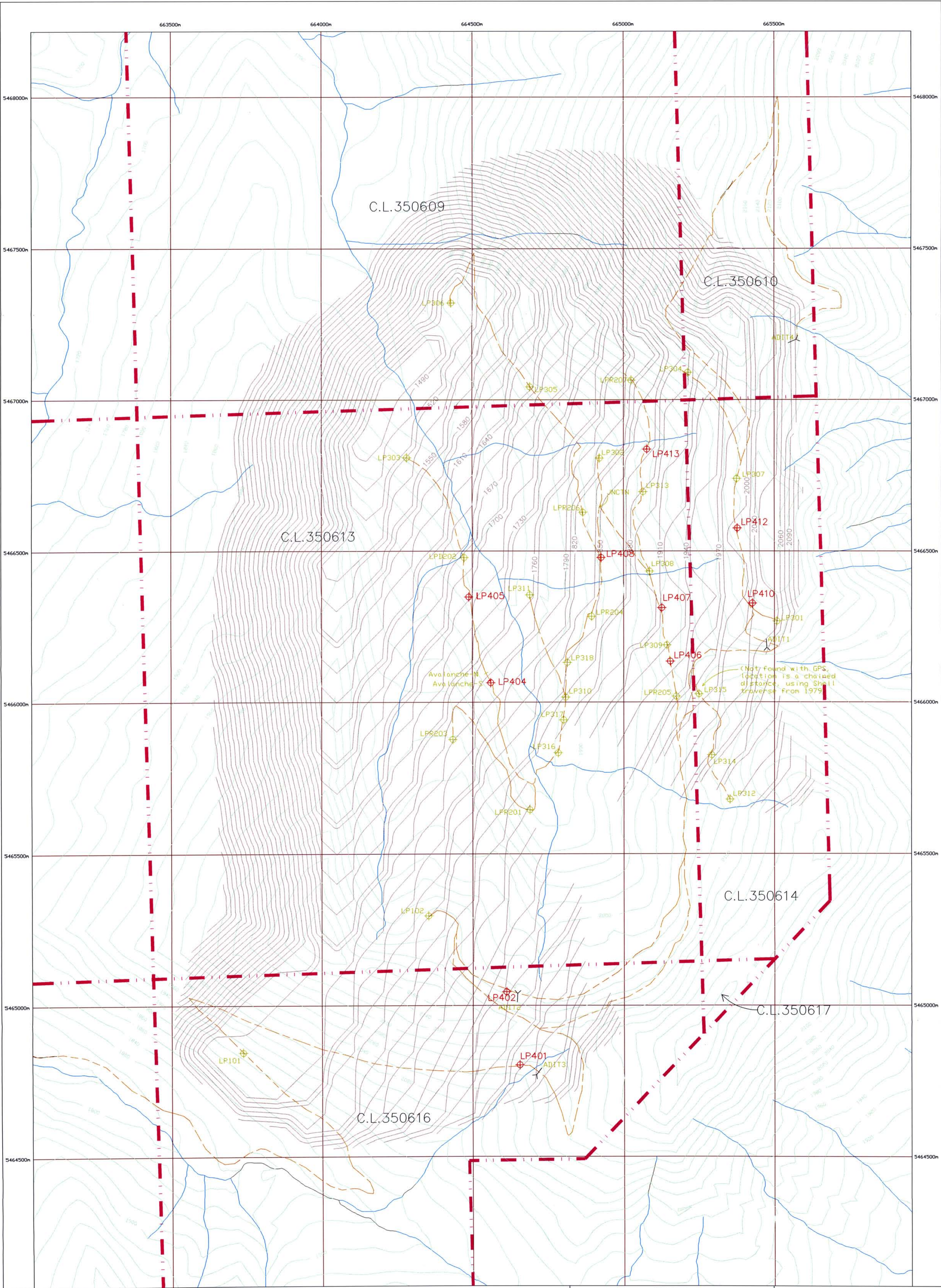
Metres

Coal Mountain Operations

**Lodgepole 1997 Resource Area / 4:1 Pit**

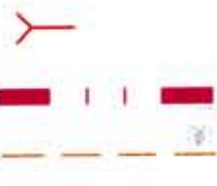
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05-30-00	1 : 5,000	CM000-06

865



BASE LEGEND

GPS Located Adit Site  
Coal License Boundary  
GPS Road (existing pre-1997)



Current Topography

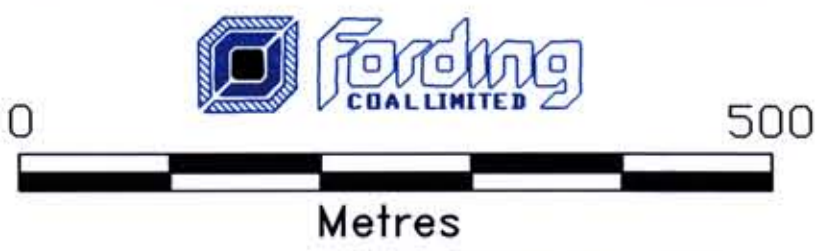
Conceptual 8:1 Pit Outline

GPS Located Drill Site - pre 1997

GPS Located Drill Site - 1997



MAP SCALE



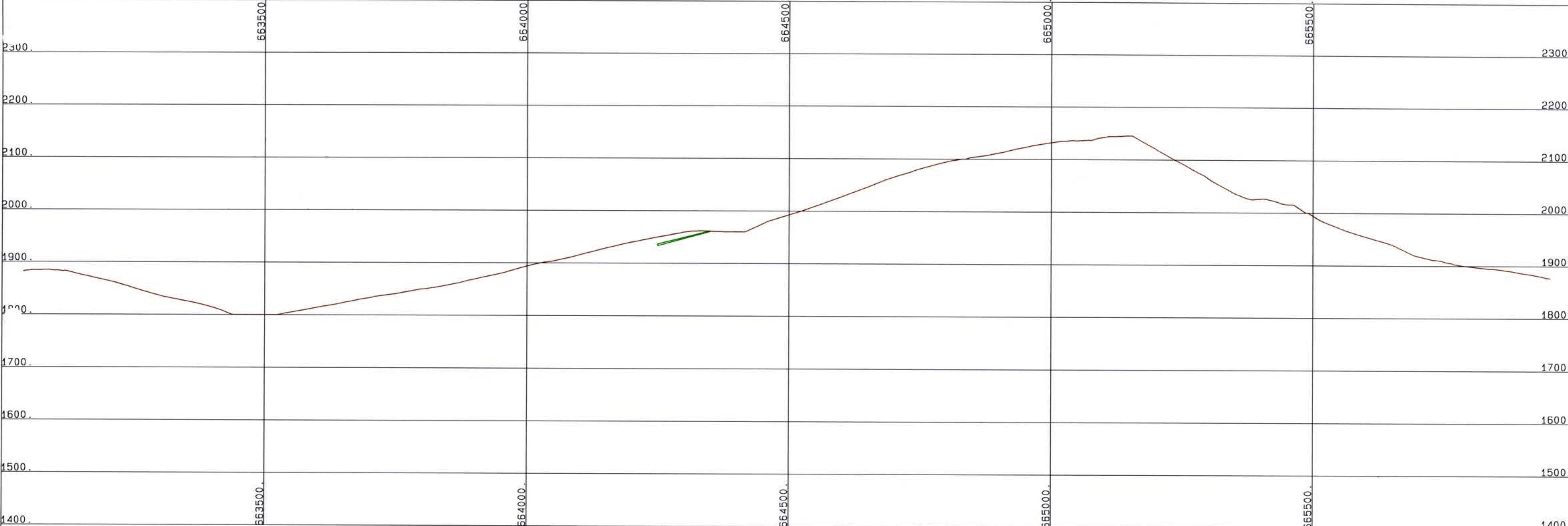
Coal Mountain Operations

Lodgepole 1997  
Resource Area / 8:1 Pit

Date:	Scale:	Drawing Number:
05-30-00	1 : 5,000	CMD00-06


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***East-West Sections with S/R pits***



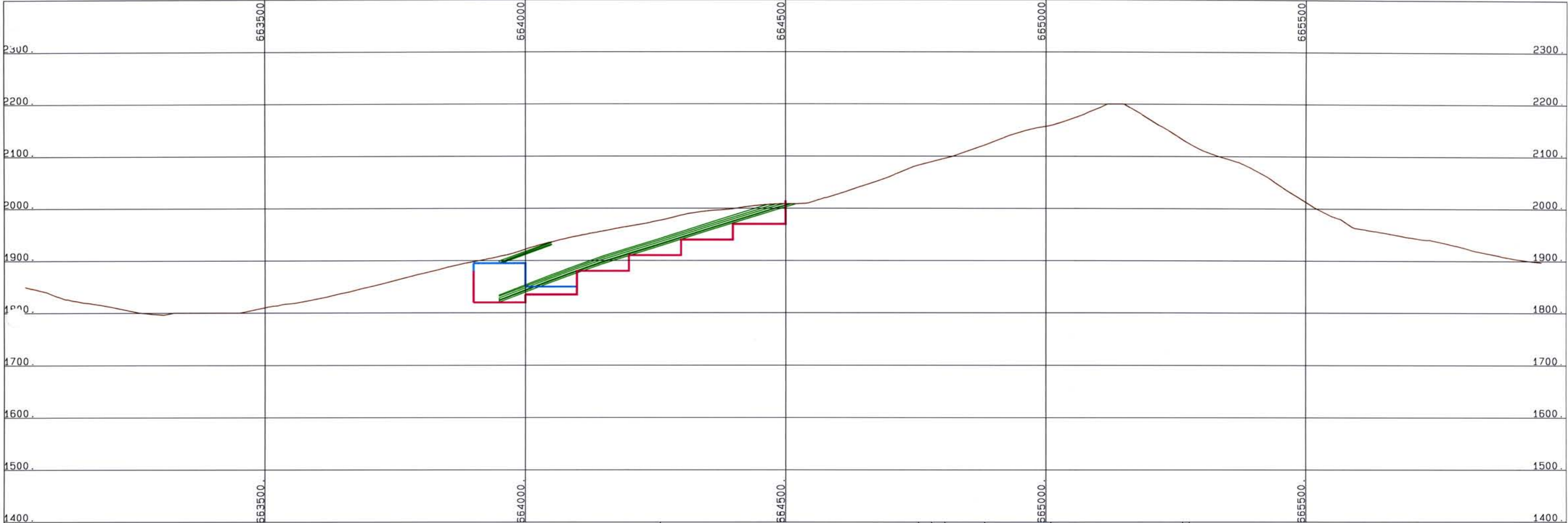
**Legend**  
Cyan = 4: 1 bcm/t raw S/R  
Magenta = 6: 1 bcm/t raw S/R

map scale

  
0 50 100 150 200 250 300 350


REVISIONS	No	DATE	MADE BY	DESCRIPTION	
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DATE		DRAWN BY	CHECKED	APPROVED	
03-30-98		rtg			

CALGARY DEVELOPMENT		
Lodgepole 464550N w/ seams, holes, two s/r pits		
MAP INDEX NUMBER	SCALE	DRAWING NUMBER
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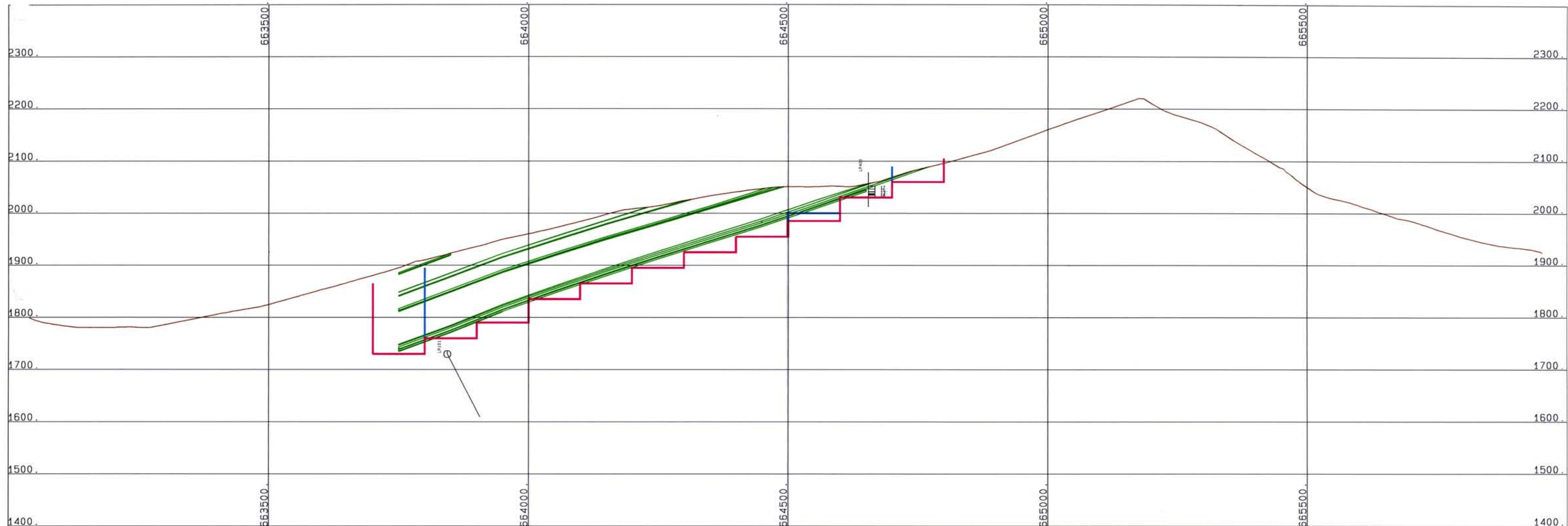
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Magenta = 6: 1 bcm/t raw S/R

map scale

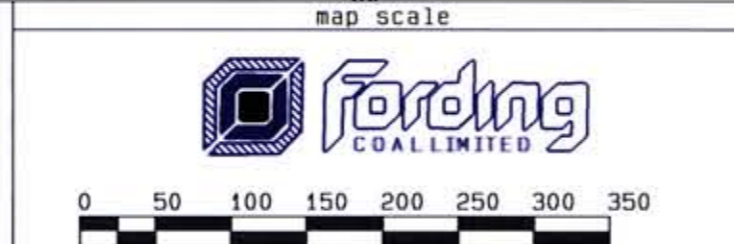
  
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CALGARY DEVELOPMENT		
Lodgepole 464650N w/ seams, holes, two s/r pits		
MAP INDEX NUMBER	SCALE	DRAWING NUMBER
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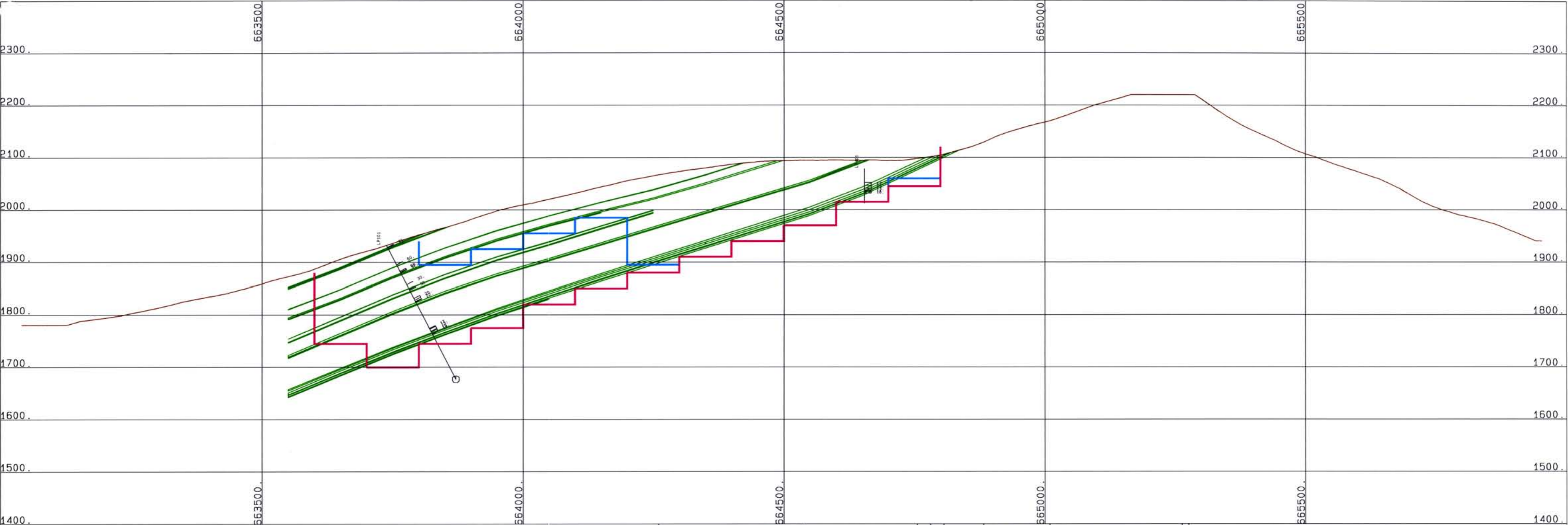


**Legend**  
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Magenta = 6:1 bcm/t raw S/R

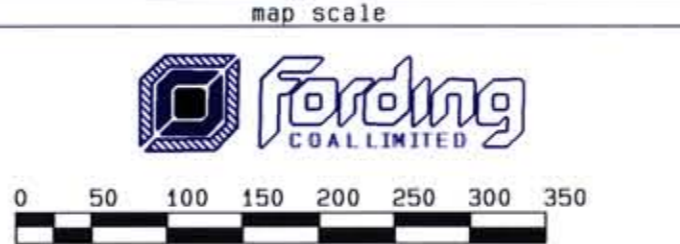


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CALGARY DEVELOPMENT		
Lodgepole 464750N w/ seams, holes, two s/r pits		
MAP INDEX NUMBER	SCALE	DRAWING NUMBER
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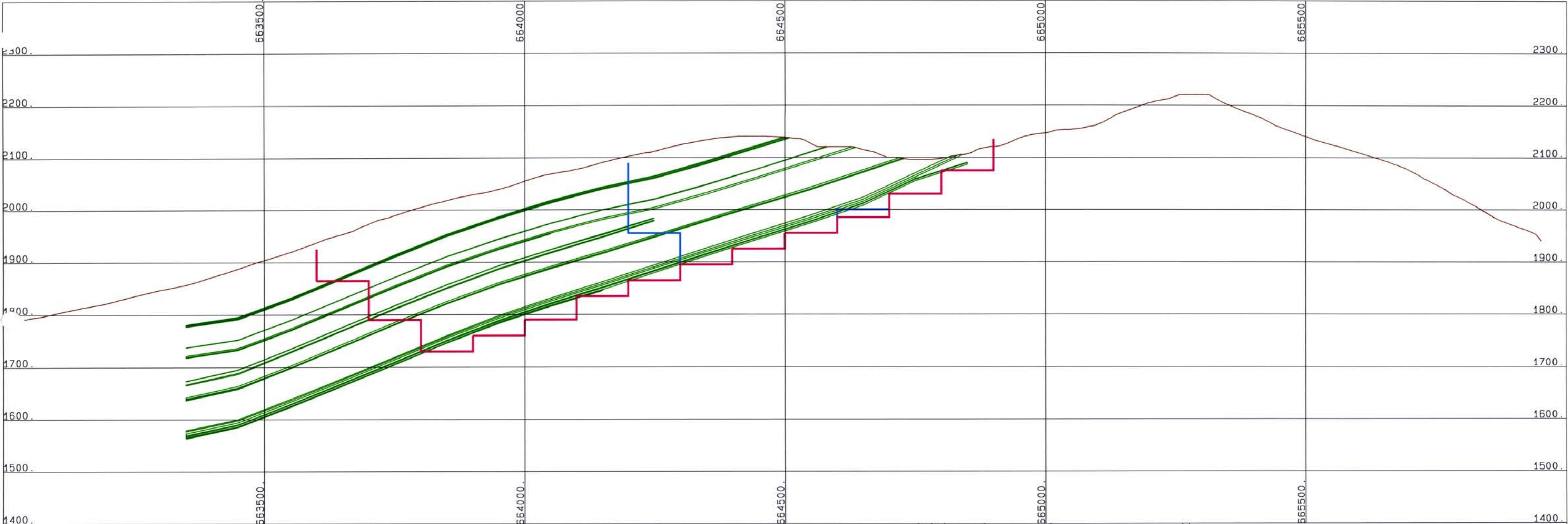


**Legend**  
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Magenta = 6:1 bcm/t raw S/R

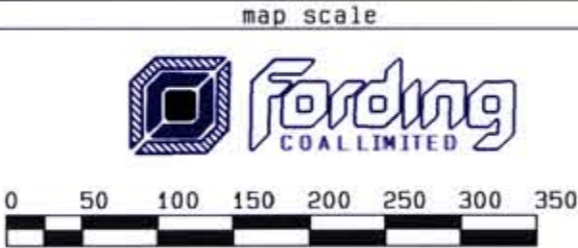


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CALGARY DEVELOPMENT		
Lodgepole 464850N w/ seams, holes, two s/r pits		
MAP INDEX NUMBER	SCALE	DRAWING NUMBER
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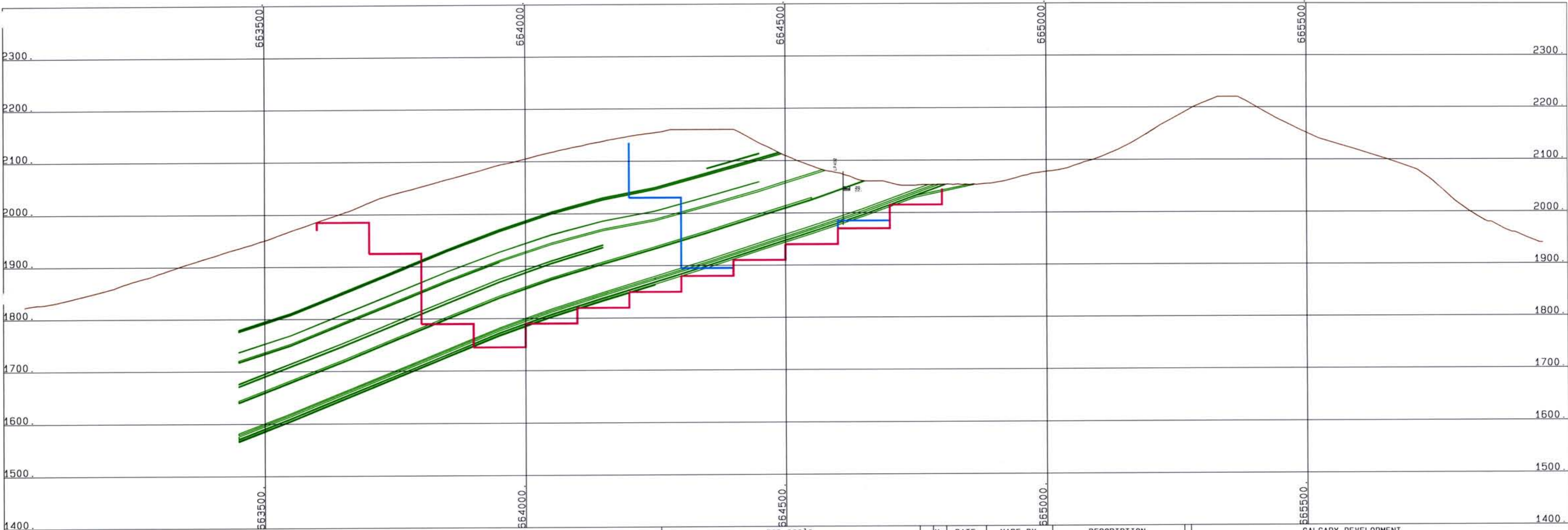


**Legend**  
Cyan = 4: 1 bcm/t raw S/R  
Magenta = 6: 1 bcm/t raw S/R



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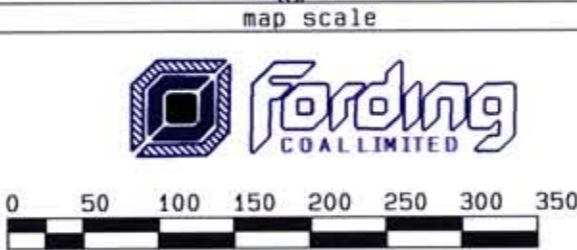
CALGARY DEVELOPMENT		
Lodgepole 464950N w/ seams, holes, two s/r pits		
MAP INDEX NUMBER	SCALE	DRAWING NUMBER
	1: 5000 . M	



**Legend**

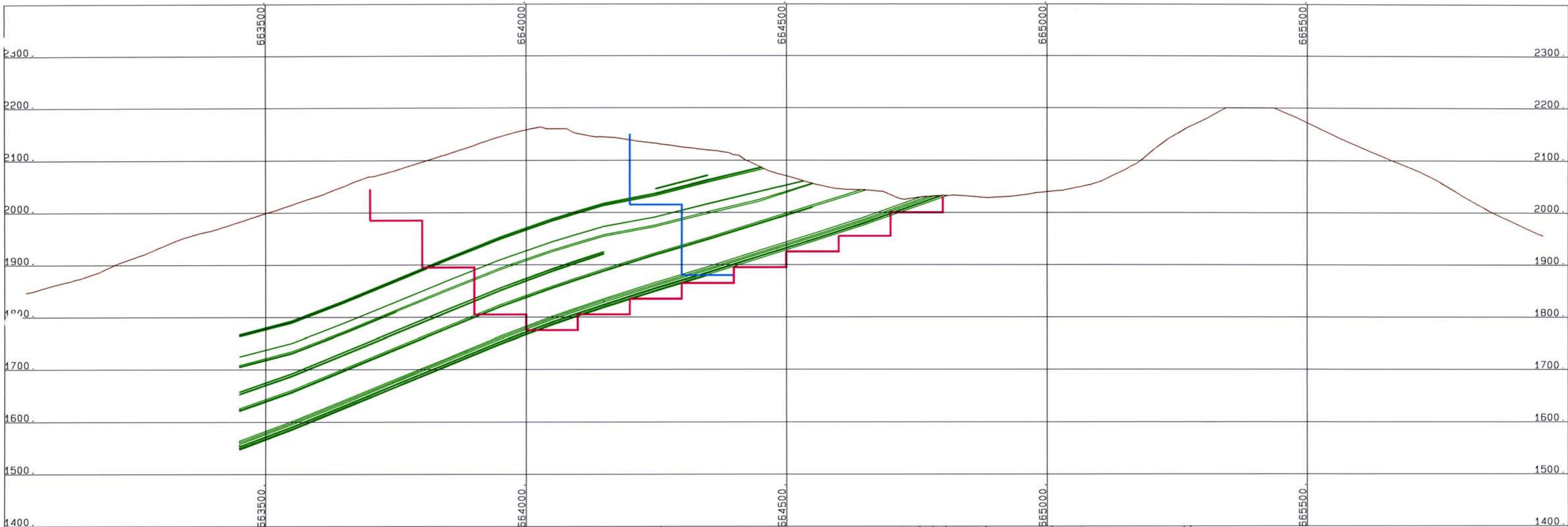
Cyan = 4: 1 bcm/t raw S/R

Magenta = 6: 1 bcm/t raw S/R



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CALGARY DEVELOPMENT		
<b>Lodgepole 465050N w/ seams, holes, two s/r pits</b>		
MAP INDEX NUMBER	SCALE	DRAWING NUMBER
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**Legend**

Cyan = 4: 1 bcm/t raw S/R

Magenta = 6: 1 bcm/t raw S/R

map scale

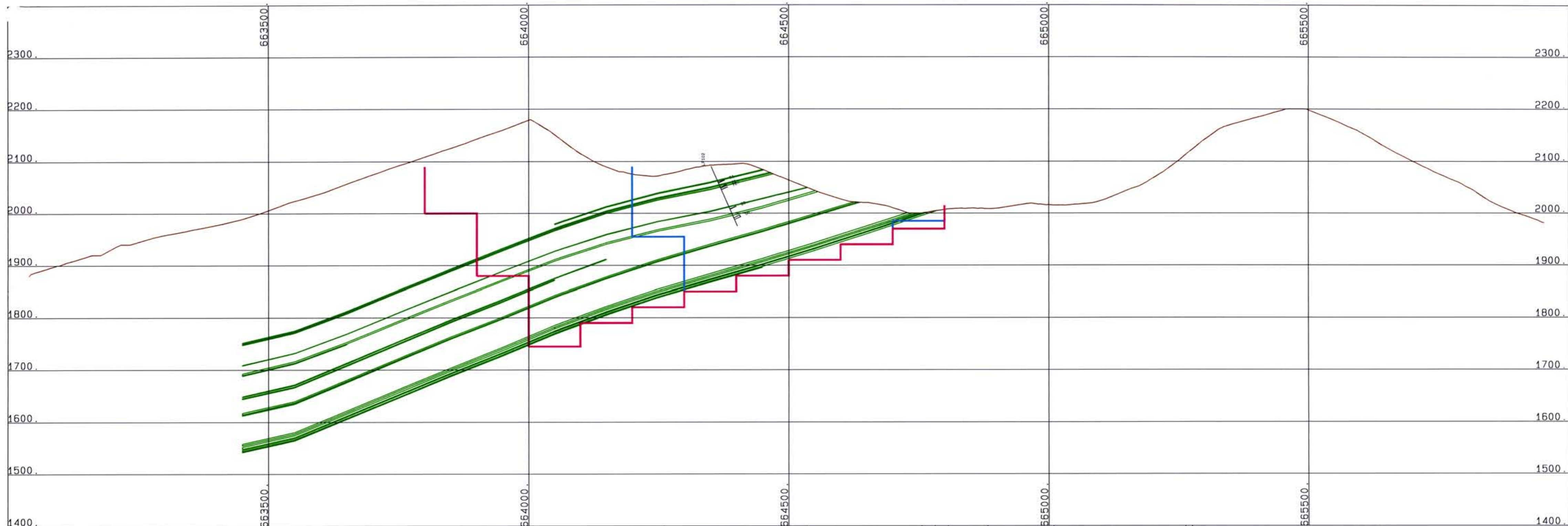


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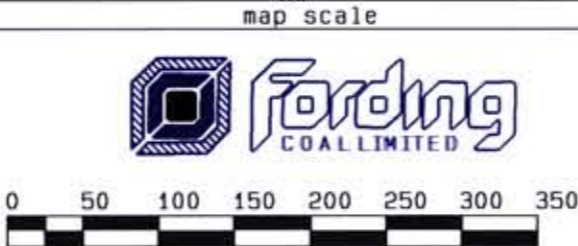
CALGARY DEVELOPMENT		
<b>Lodgepole 465150N w/ seams, holes, two s/r pits</b>		
MAP INDEX NUMBER	SCALE	DRAWING NUMBER
	1: 5000 .M	

LP162



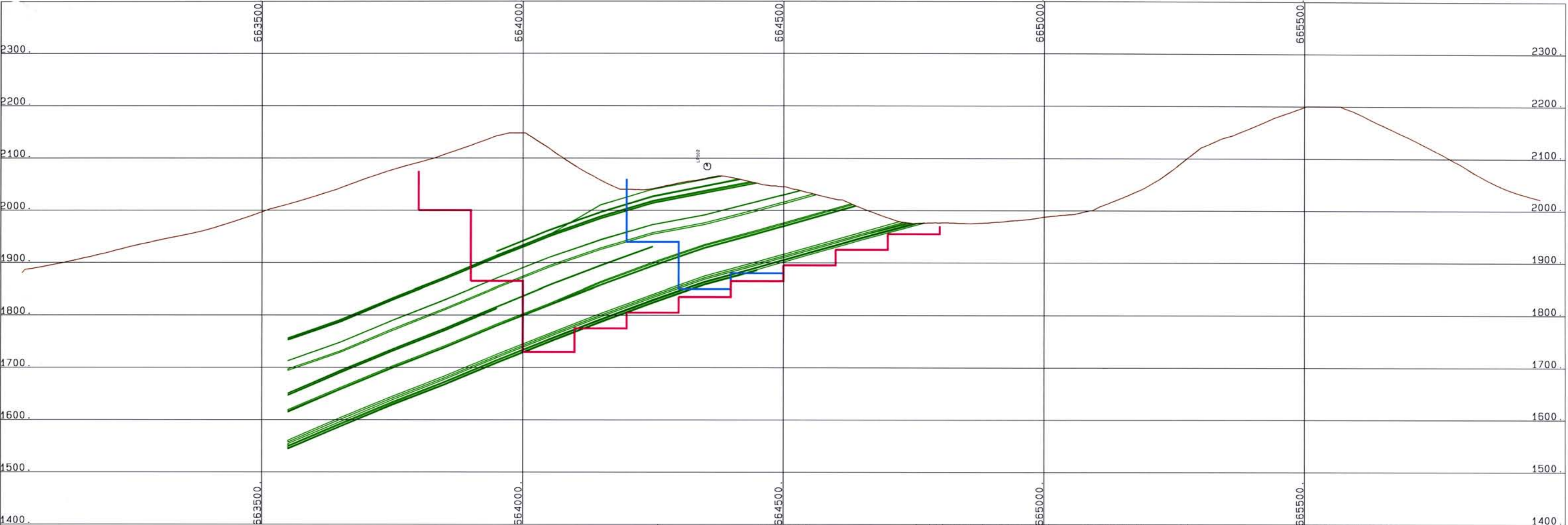
**Legend**

Cyan = 4:1 bcm/t raw S/R  
Magenta = 6:1 bcm/t raw S/R




REVISIONS	No	DATE	MADE BY	DESCRIPTION	
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CALGARY DEVELOPMENT		
<b>Lodgepole 465250N w/ seams, holes, two s/r pits</b>		
MAP INDEX NUMBER	SCALE	DRAWING NUMBER
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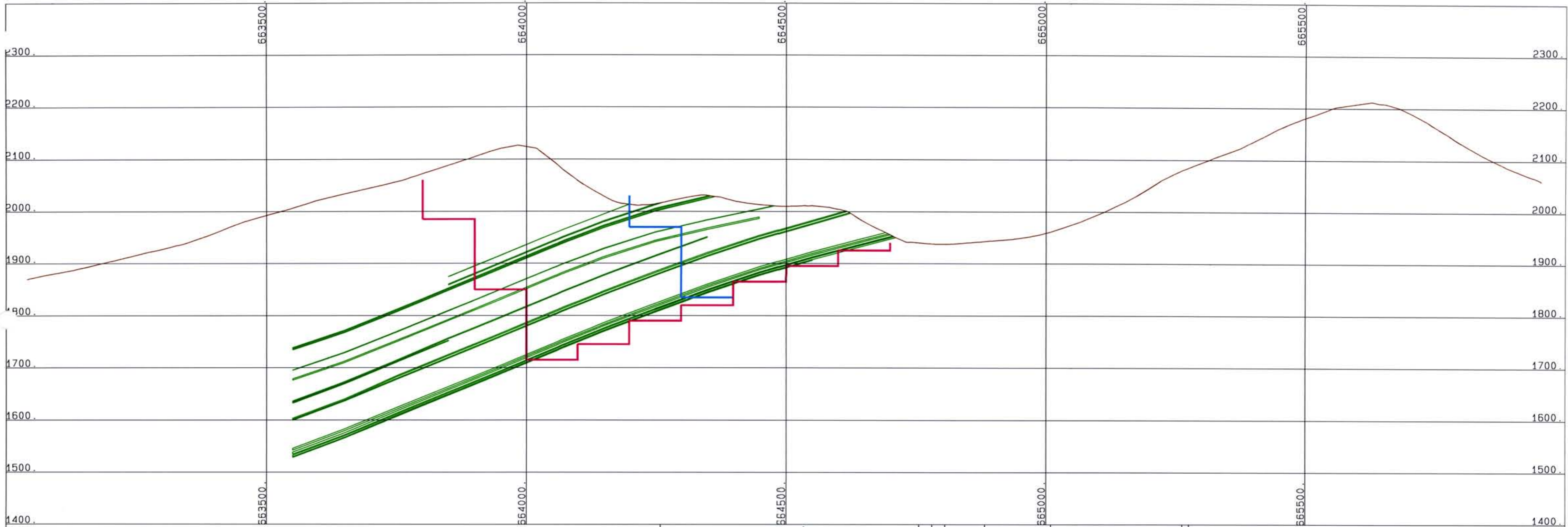
**Legend**  
Cyan = 4:1 bcm/t raw S/R  
Magenta = 6:1 bcm/t raw S/R

map scale

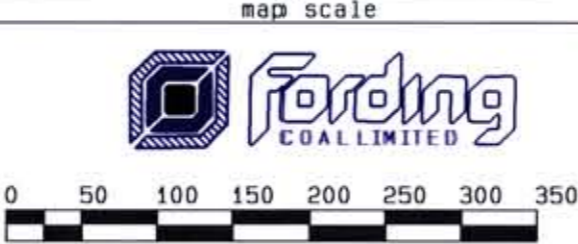
  
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CALGARY DEVELOPMENT		
Lodgepole 465350N w/ seams, holes, two s/r pits		
MAP INDEX NUMBER	SCALE	DRAWING NUMBER
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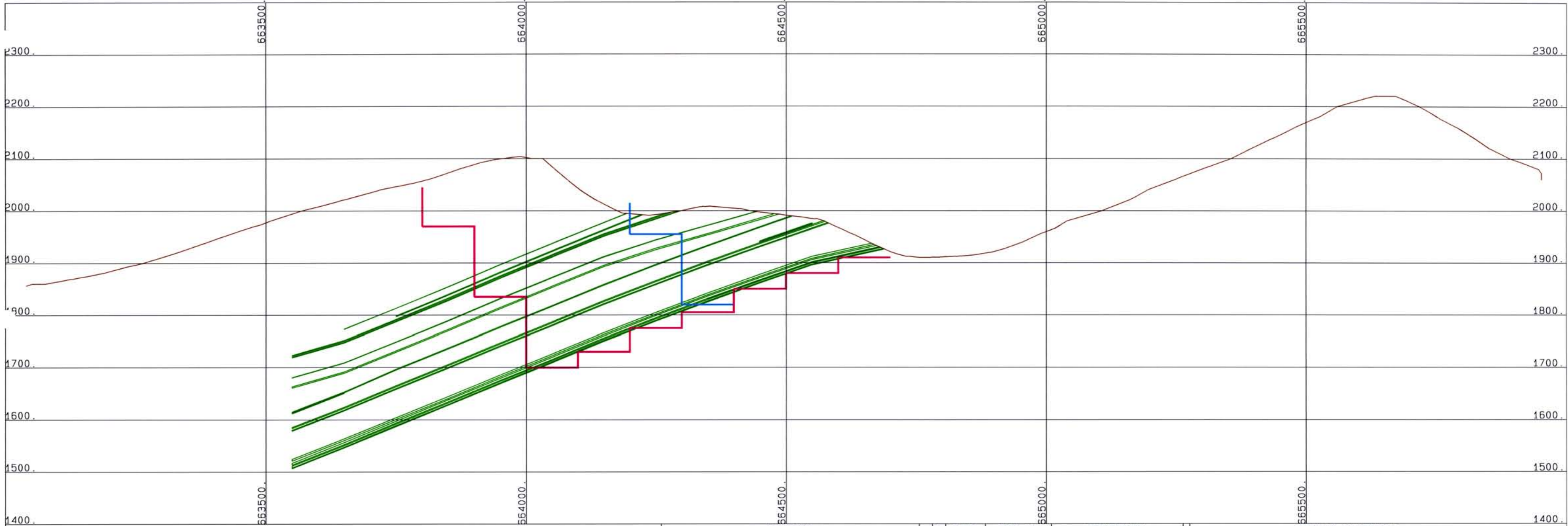


**Legend**  
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Magenta = 6: 1 bcm/t raw S/R



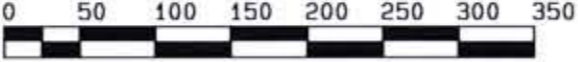

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CALGARY DEVELOPMENT		
Lodgepole 465450N w/ seams, holes, two s/r pits		
MAP INDEX NUMBER	SCALE	DRAWING NUMBER
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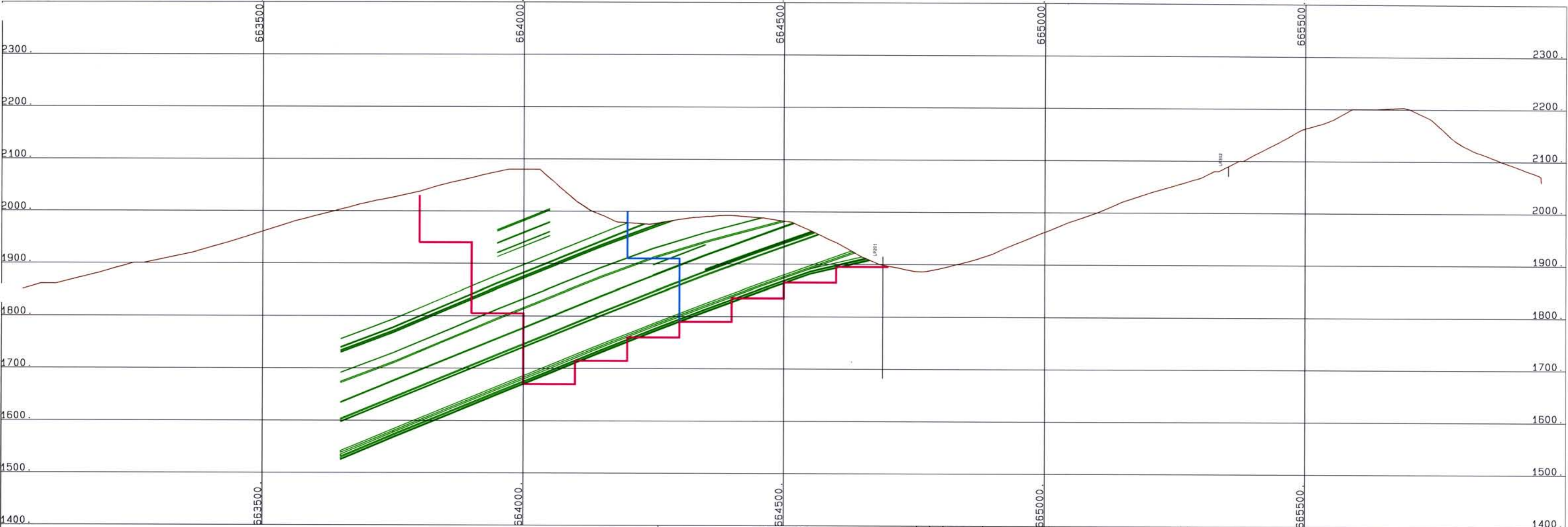
**Legend**  
Cyan = 4:1 bcm/t raw S/R  
Magenta = 6:1 bcm/t raw S/R

map scale

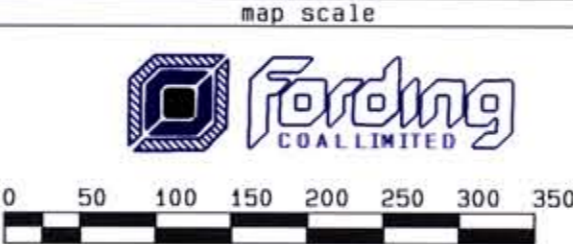


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CALGARY DEVELOPMENT		
Lodgepole 465550N w/ seams, holes, two s/r pits		
MAP INDEX NUMBER	SCALE	DRAWING NUMBER
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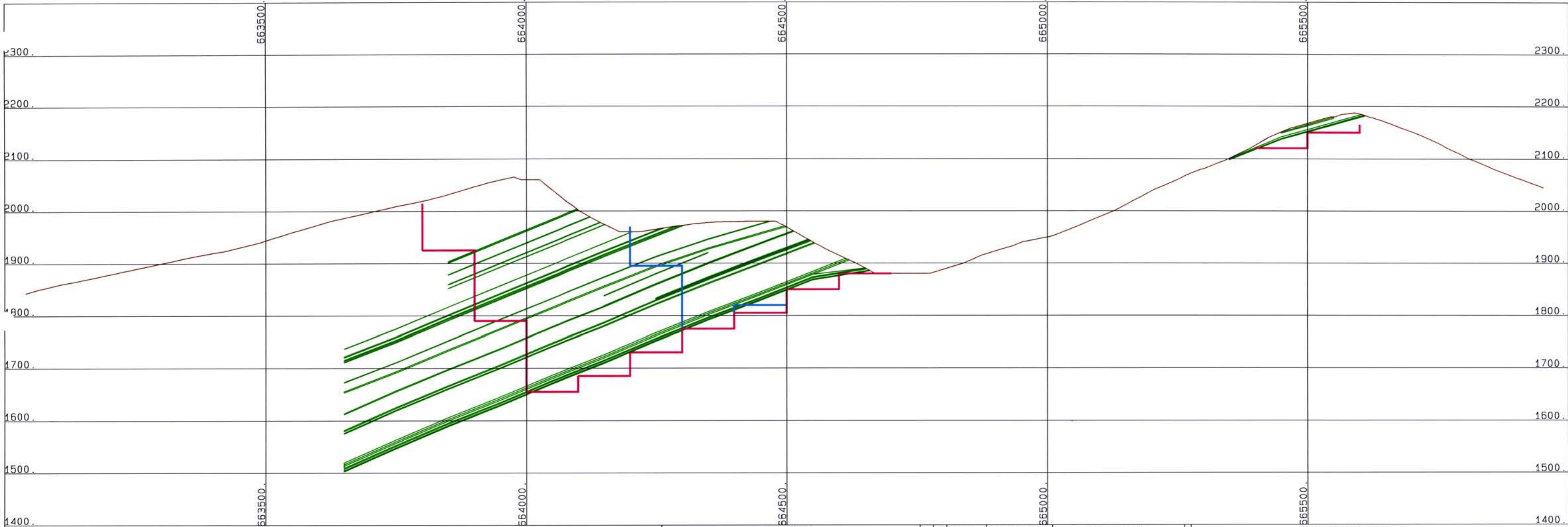


**Legend**  
Cyan = 4: 1 bcm/t raw S/R  
Magenta = 6: 1 bcm/t raw S/R

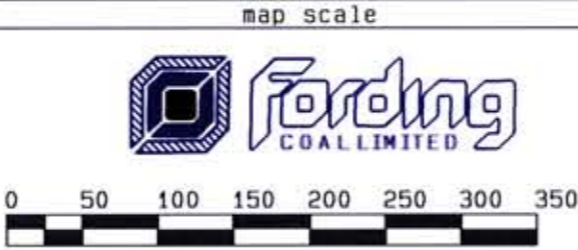


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CALGARY DEVELOPMENT		
Lodgepole 465650N w/ seams, holes, two s/r pits		
MAP INDEX NUMBER	SCALE	DRAWING NUMBER
	1: 5000 . M	

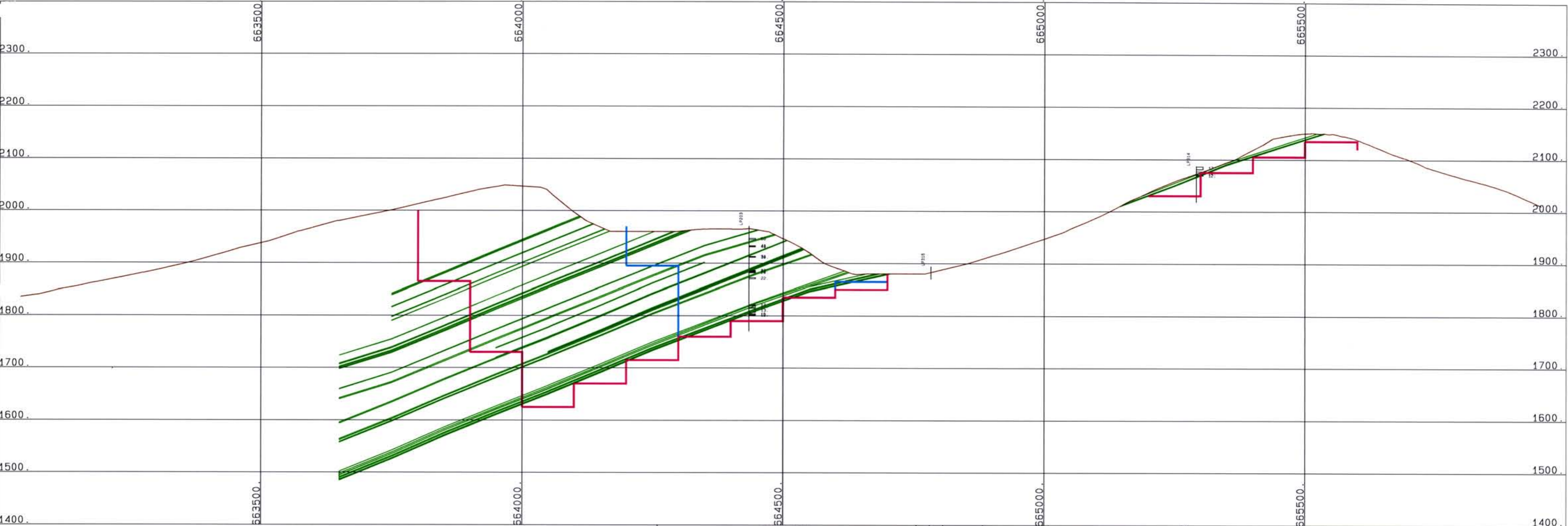


**Legend**  
Cyan = 4: 1 bcm/t raw S/R  
Magenta = 6: 1 bcm/t raw S/R



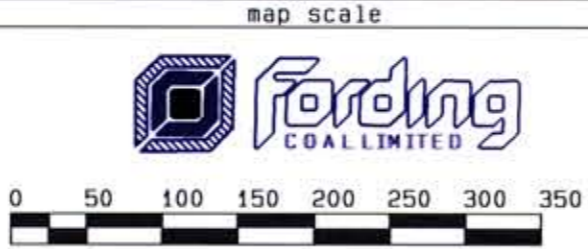
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CALGARY DEVELOPMENT		
<b>Lodgepole 465750N w/ seams, holes, two s/r pits</b>		
MAP INDEX NUMBER	SCALE	DRAWING NUMBER
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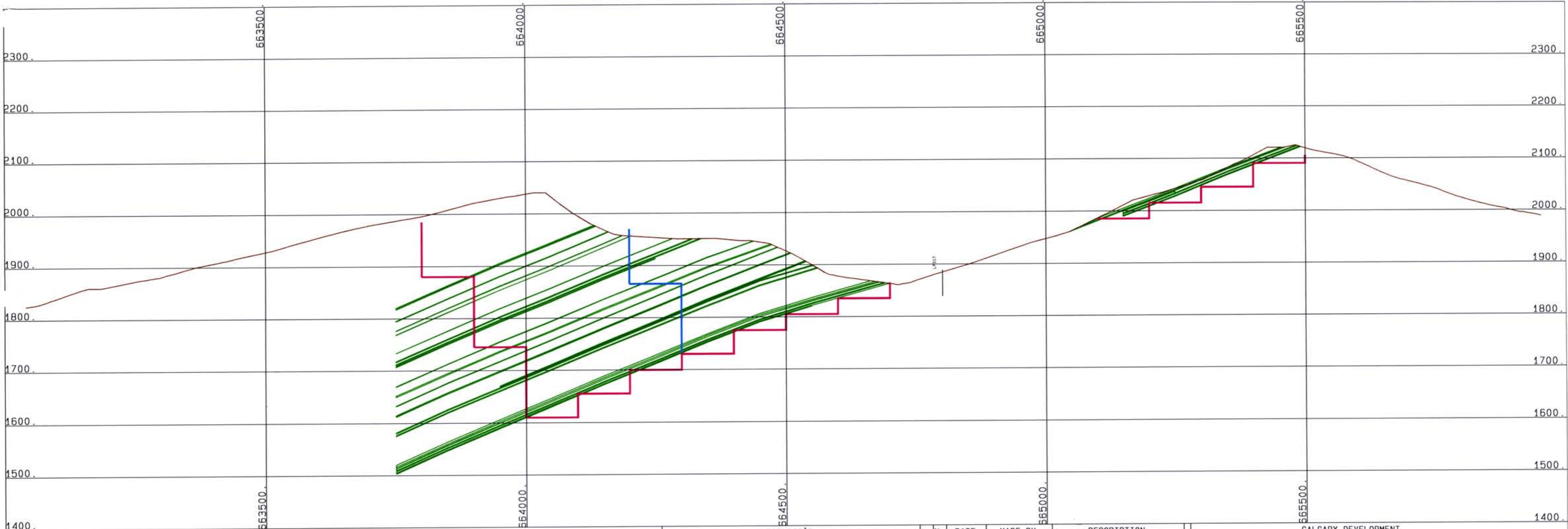
Legend

Cyan = 4: 1 bcm/t raw S/R  
Magenta = 6: 1 bcm/t raw S/R

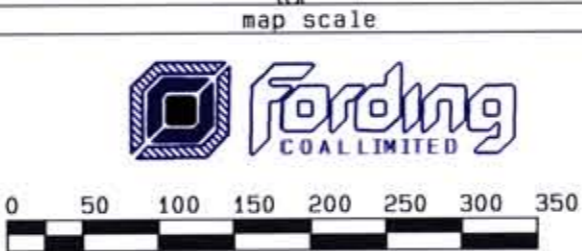


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CALGARY DEVELOPMENT		
Lodgepole 465850N w/ seams, holes, two s/r pits		
MAP INDEX NUMBER	SCALE	DRAWING NUMBER
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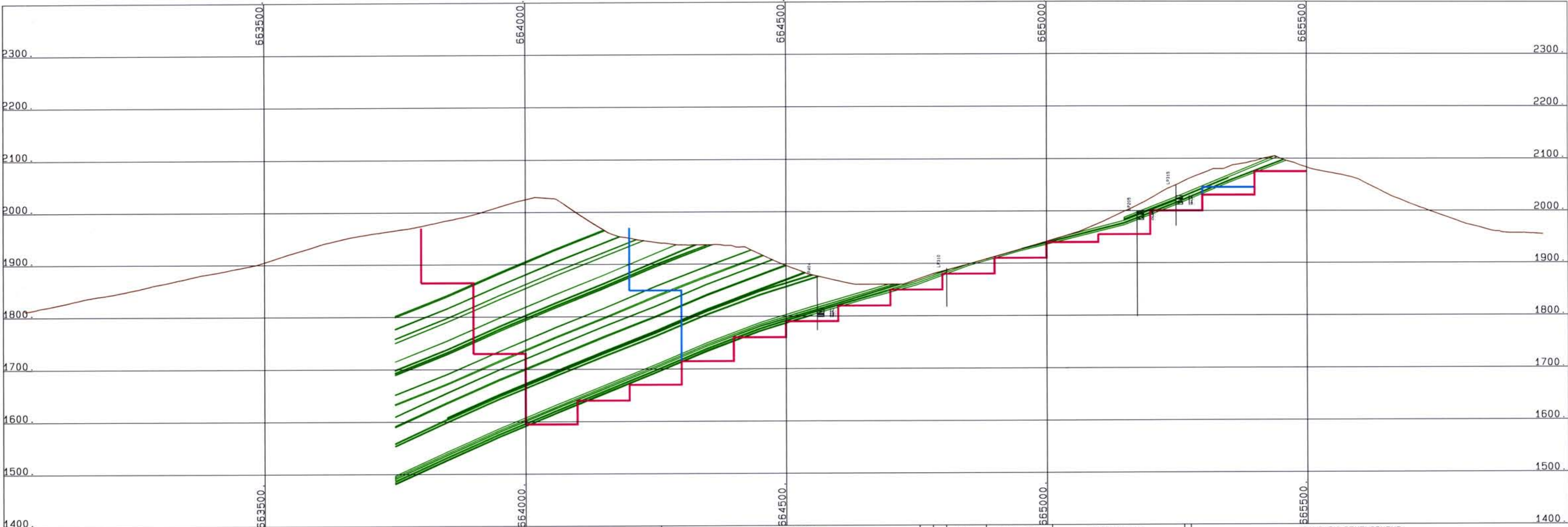
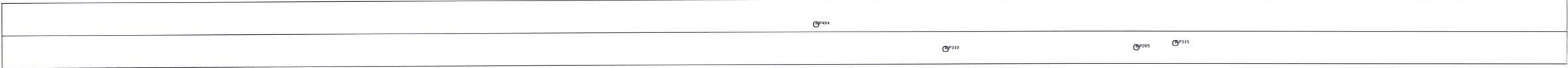


**Legend**  
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Magenta = 6: 1 bcm/t raw S/R

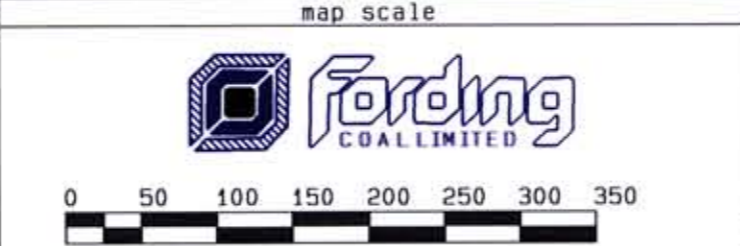


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CALGARY DEVELOPMENT		
Lodgepole 465950N w/ seams, holes, two s/r pits		
MAP INDEX NUMBER	SCALE	DRAWING NUMBER
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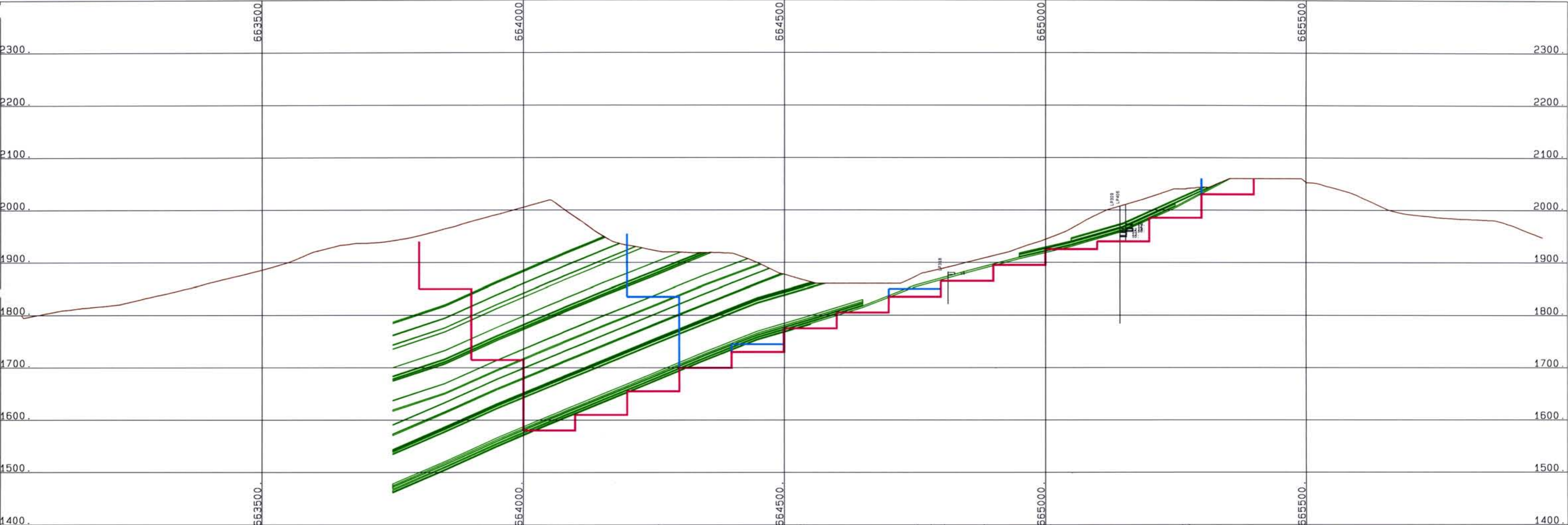


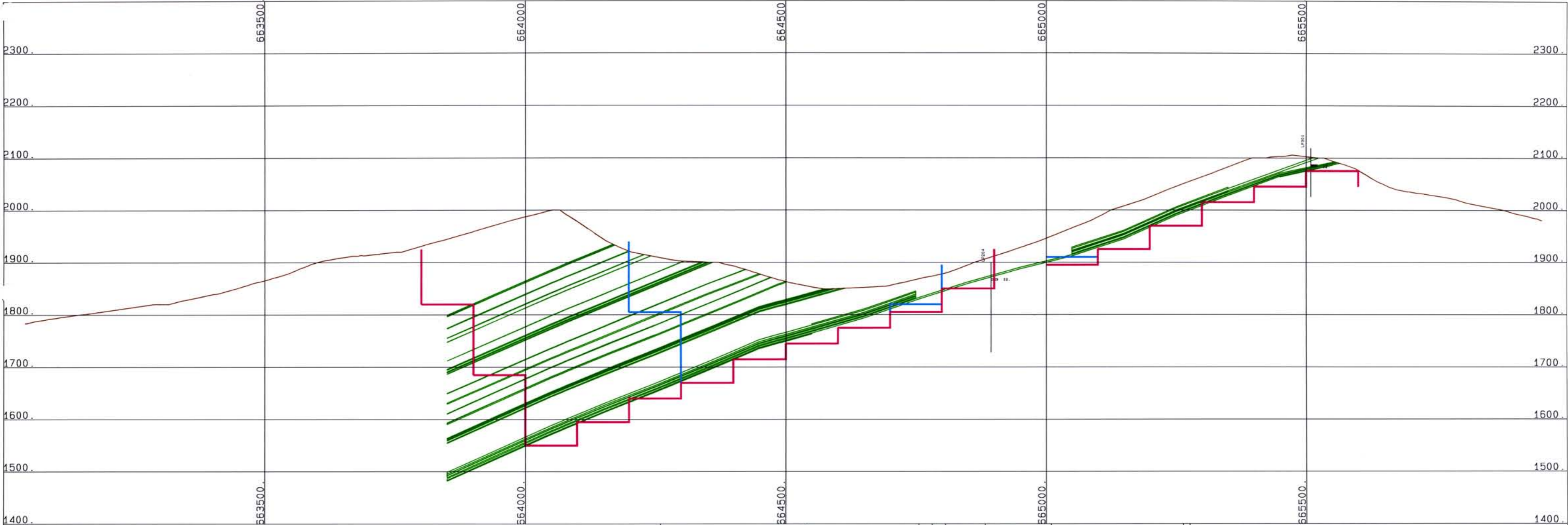
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Magenta = 6: 1 bcm/t raw S/R



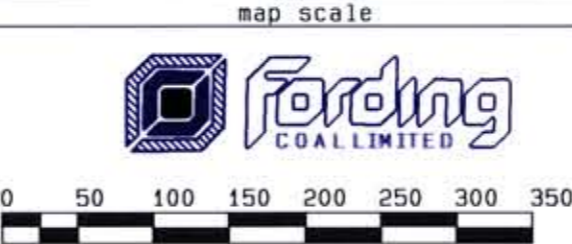
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CALGARY DEVELOPMENT		
Lodgepole 466050N w/ seams, holes, two s/r pits		
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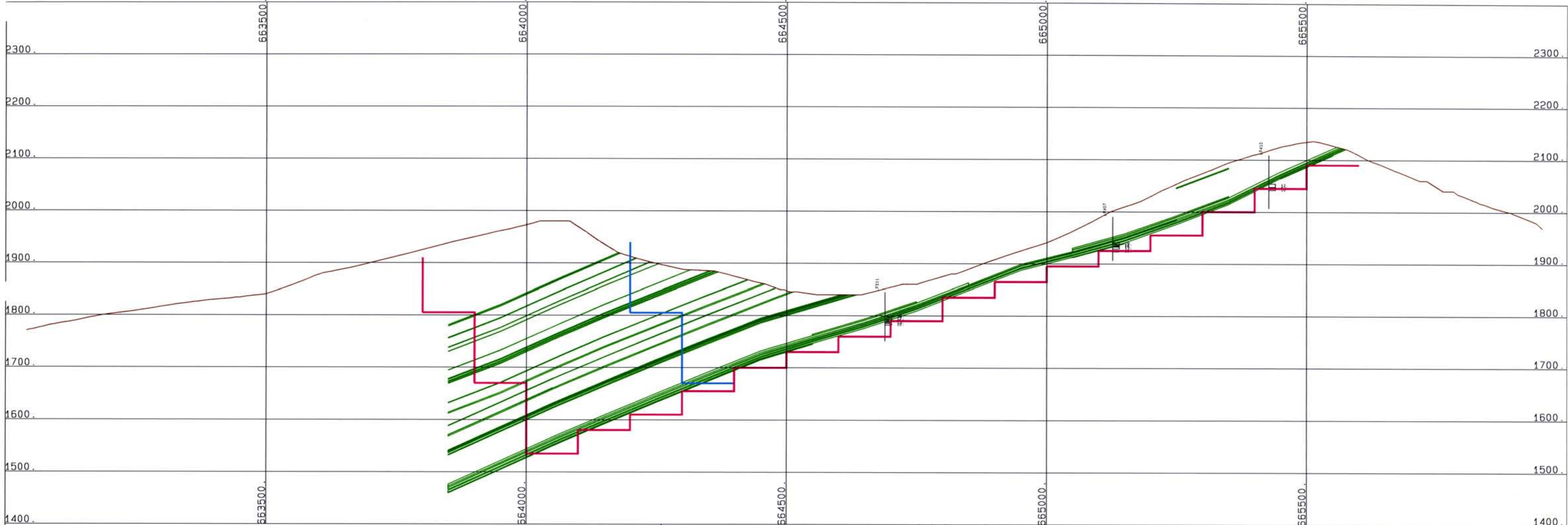


**Legend**  
Cyan = 4: 1 bcm/t raw S/R  
Magenta = 6: 1 bcm/t raw S/R




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CALGARY DEVELOPMENT		
Lodgepole 466250N w/ seams, holes, two s/r pits		
MAP INDEX NUMBER	SCALE	DRAWING NUMBER
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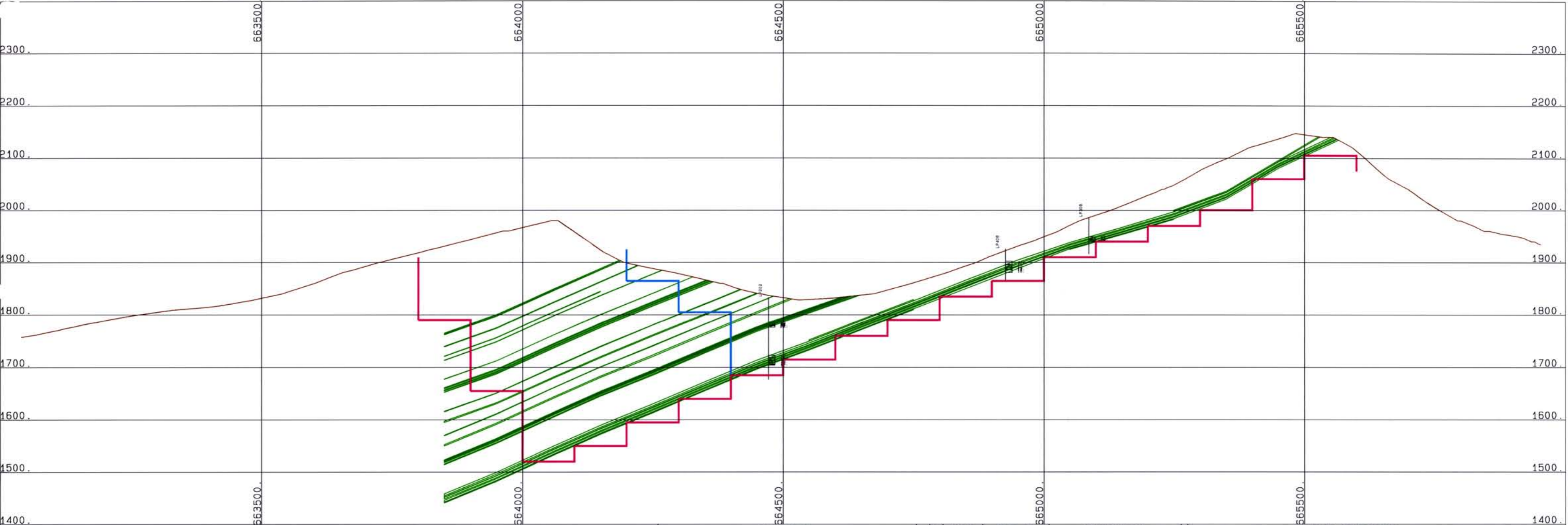
**Legend**  
Cyan = 4: 1 bcm/t raw S/R  
Magenta = 6: 1 bcm/t raw S/R

map scale

  
0 50 100 150 200 250 300 350


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DATE		DRAWN BY		CHECKED	APPROVED
03-30-98		rtg			

CALGARY DEVELOPMENT		
Lodgepole 466350N w/ seams, holes, two s/r pits		
MAP INDEX NUMBER	SCALE	DRAWING NUMBER
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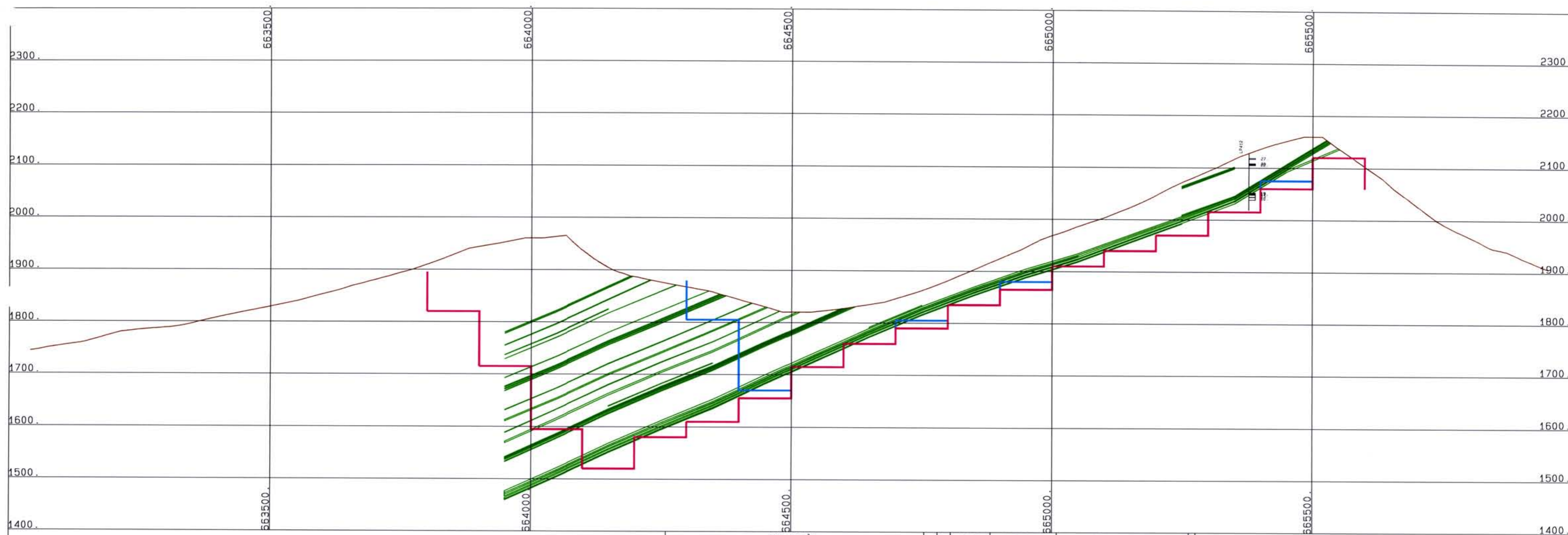
**Legend**  
Cyan = 4:1 bcm/t raw S/R  
Magenta = 6:1 bcm/t raw S/R

map scale

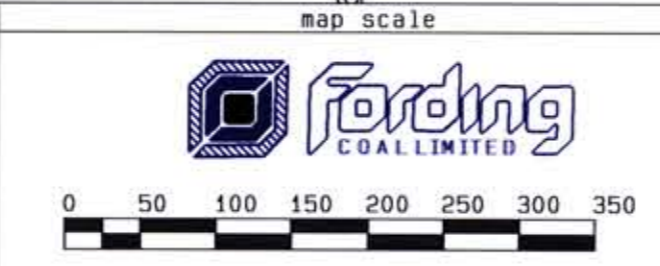
  
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CALGARY DEVELOPMENT		
Lodgepole 466450N w/ seams, holes, two s/r pits		
MAP INDEX NUMBER	SCALE	DRAWING NUMBER
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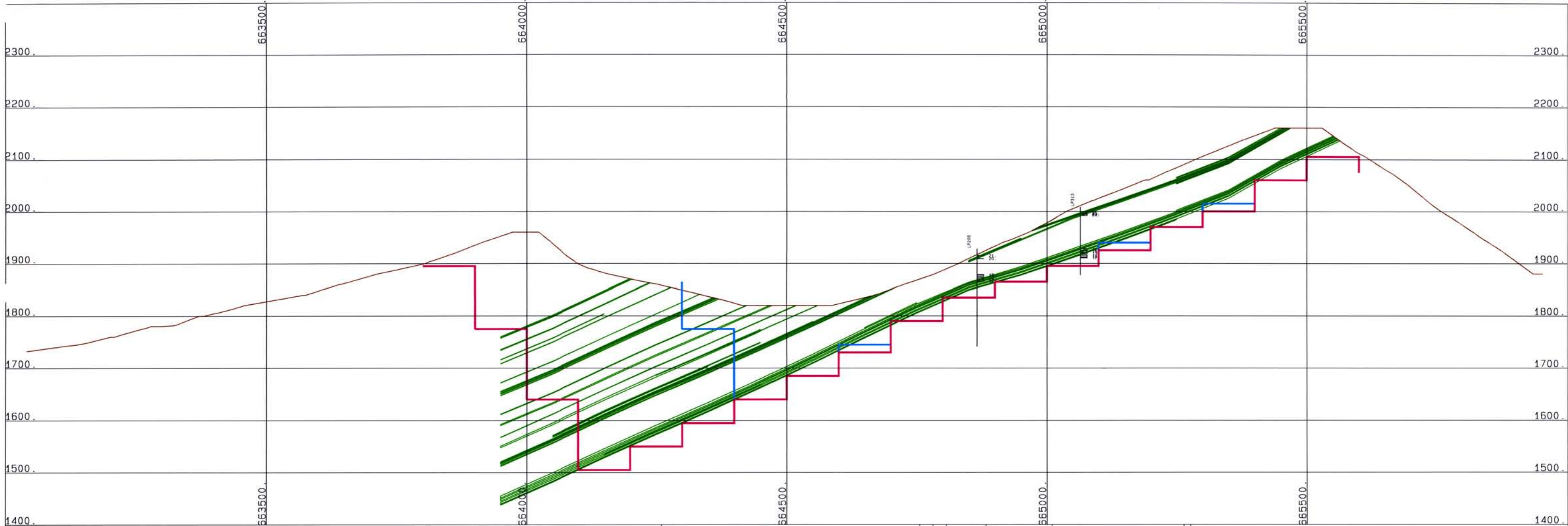


**Legend**  
Cyan = 4:1 bcm/t raw S/R  
Magenta = 6:1 bcm/t raw S/R




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CALGARY DEVELOPMENT		
Lodgepole 466550N w/ seams, holes, two s/r pits		
MAP INDEX NUMBER	SCALE	DRAWING NUMBER
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**Legend**  
Cyan = 4: 1 bcm/t raw S/R  
Magenta = 6: 1 bcm/t raw S/R

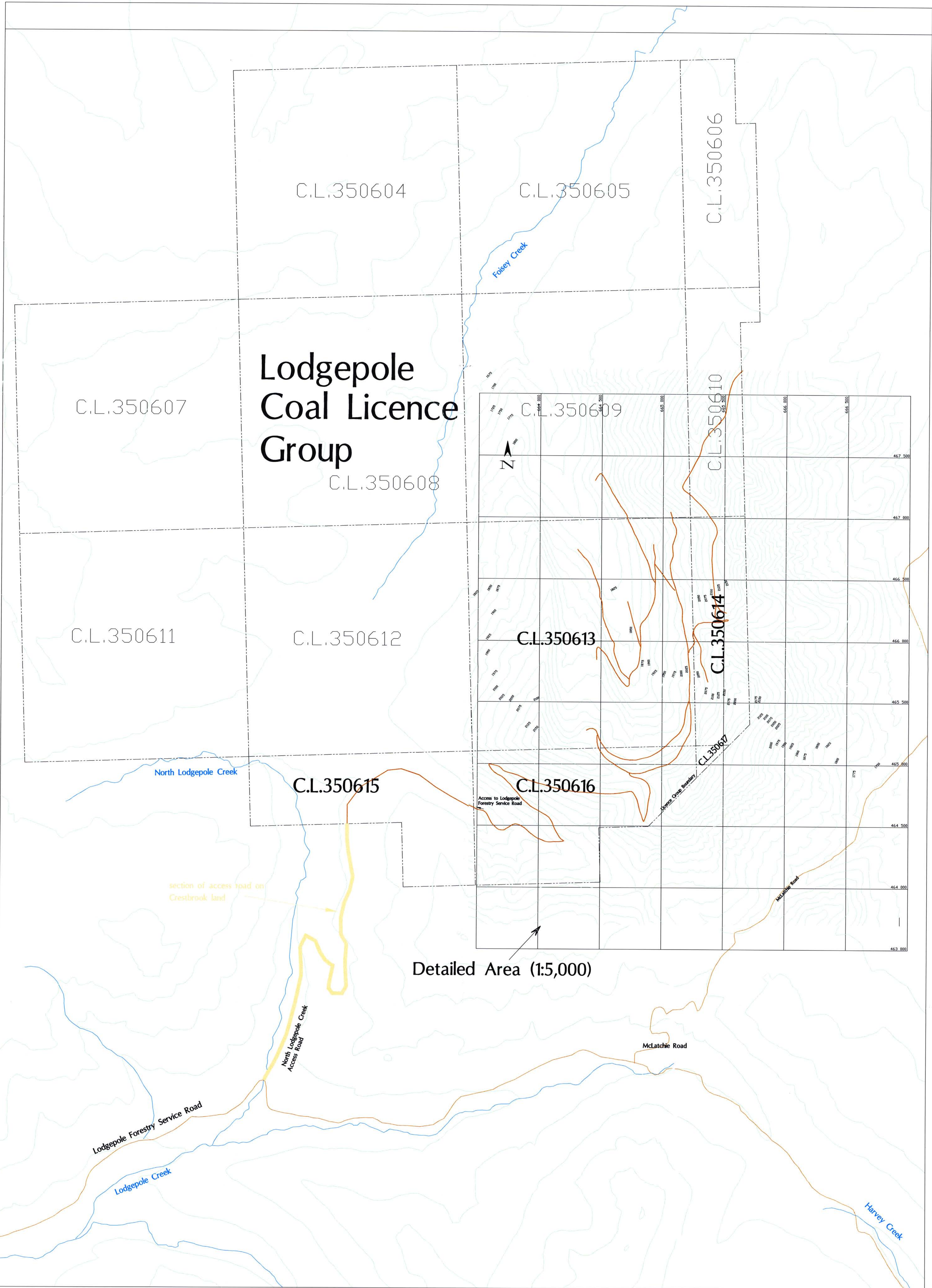
map scale



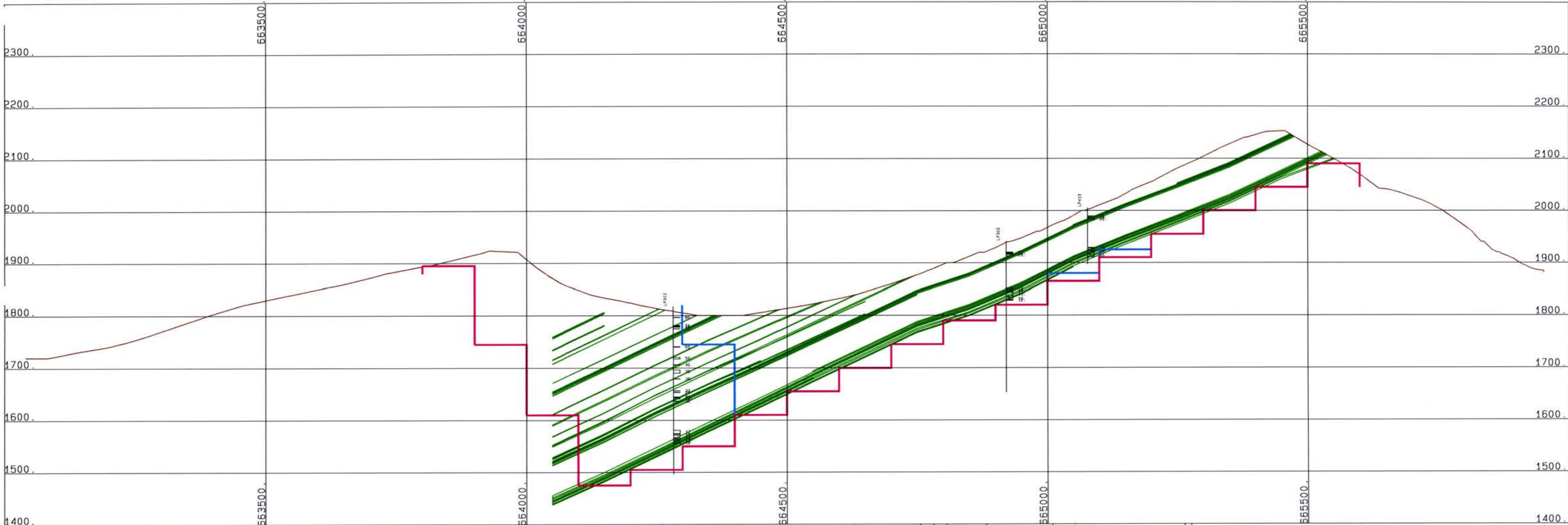
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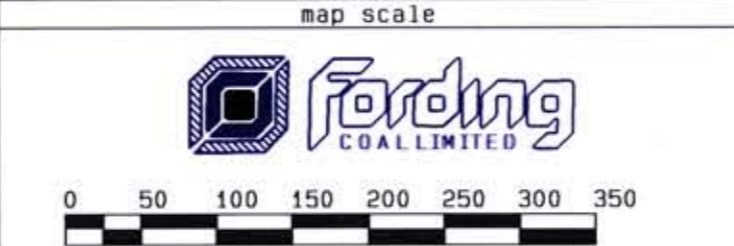
CALGARY DEVELOPMENT		
Lodgepole 466650N w/ seams, holes, two s/r pits		
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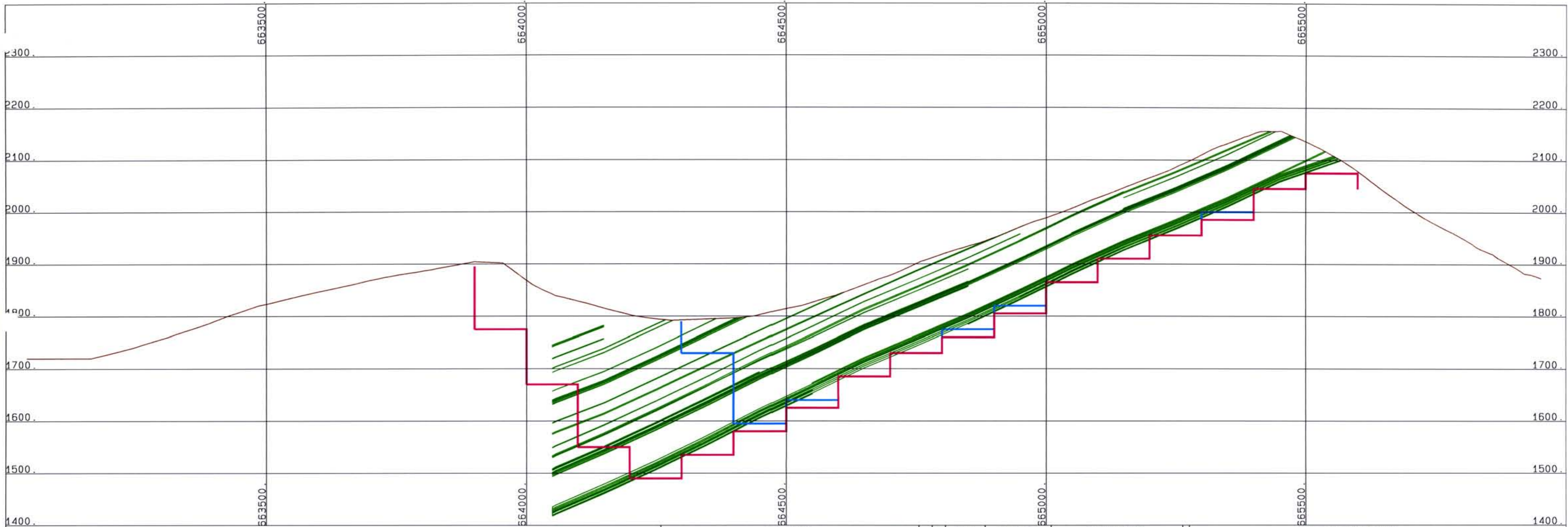


**Legend**  
Cyan = 4: 1 bcm/t raw S/R  
Magenta = 6: 1 bcm/t raw S/R



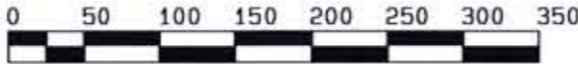
REVISED	No	DATE	MADE BY	DESCRIPTION	
	1				
	2				
	3				
	4				
	5				
DATE		DRAWN BY		CHECKED	APPROVED
03-30-98		rtg			

CALGARY DEVELOPMENT		
Lodgepole 466850N w/ seams, holes, two s/r pits		
MAP INDEX NUMBER	SCALE	DRAWING NUMBER
	1: 5000 . M	



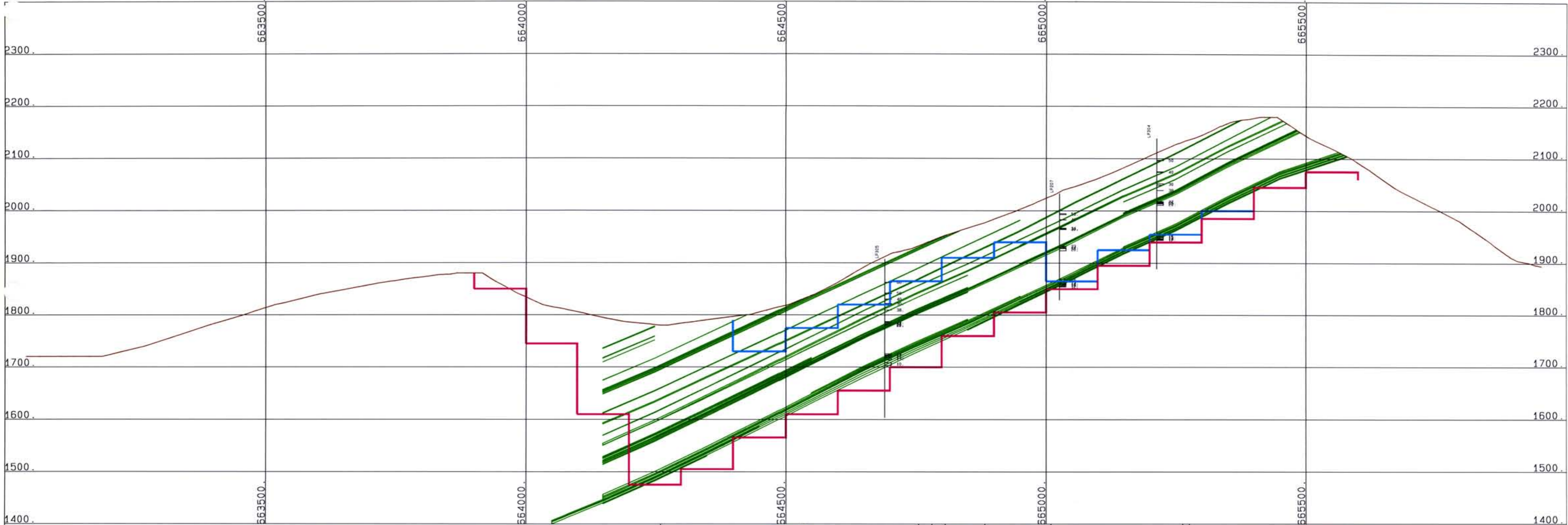
**Legend**

Cyan = 4: 1 bcm/t raw S/R  
Magenta = 6: 1 bcm/t raw S/R

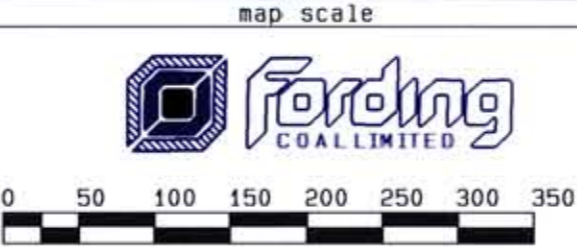


REVISIONS	No	DATE	MADE BY	DESCRIPTION	
	1				
	2				
	3				
	4				
	5				
DATE		DRAWN BY		CHECKED	APPROVED
03-30-98		rtg			

CALGARY DEVELOPMENT		
Lodgepole 466950N w/ seams, holes, two s/r pits		
MAP INDEX NUMBER	SCALE	DRAWING NUMBER
	1: 5000 .M	

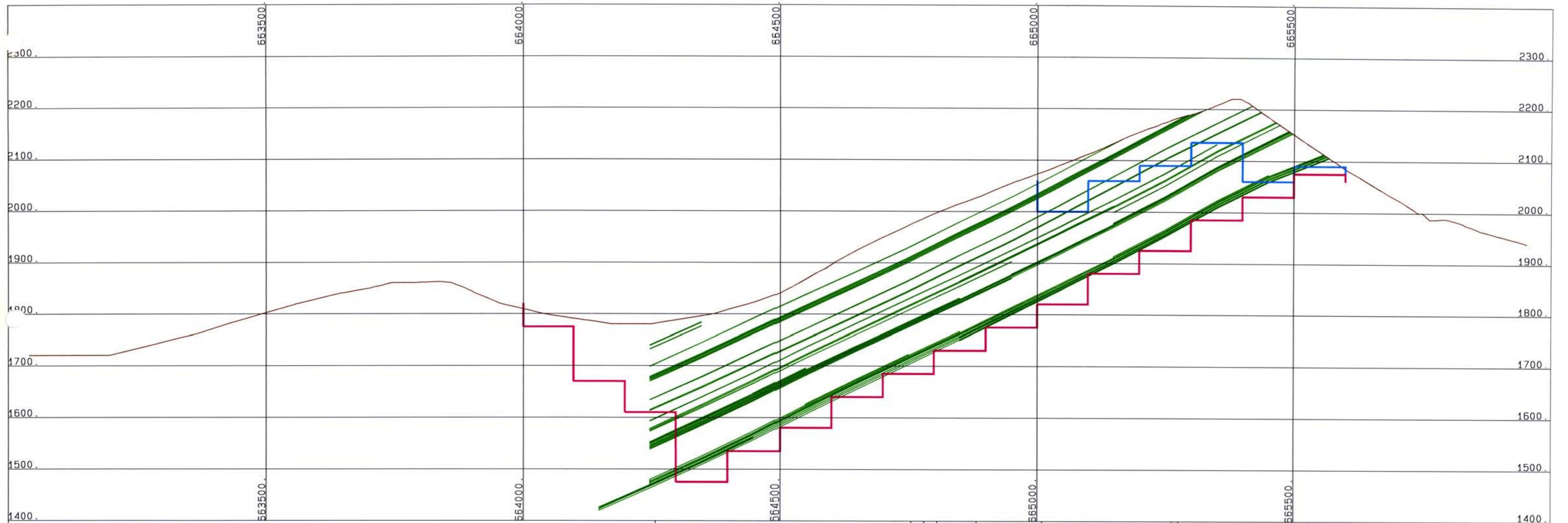


**Legend**  
Cyan = 4: 1 bcm/t raw S/R  
Magenta = 6: 1 bcm/t raw S/R



REVISIONS	No	DATE	MADE BY	DESCRIPTION	
	1				
	2				
	3				
	4				
	5				
DATE		DRAWN BY		CHECKED	APPROVED
03-30-98		rtg			

CALGARY DEVELOPMENT		
Lodgepole 467050N w/ seams, holes, two s/r pits		
MAP INDEX NUMBER	SCALE	DRAWING NUMBER
	1: 5000 .M	

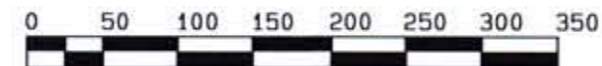


### Legend

Cyan = 4: 1 bcm/t raw S/R

Magenta = 6: 1 bcm/t raw S/R

map scale

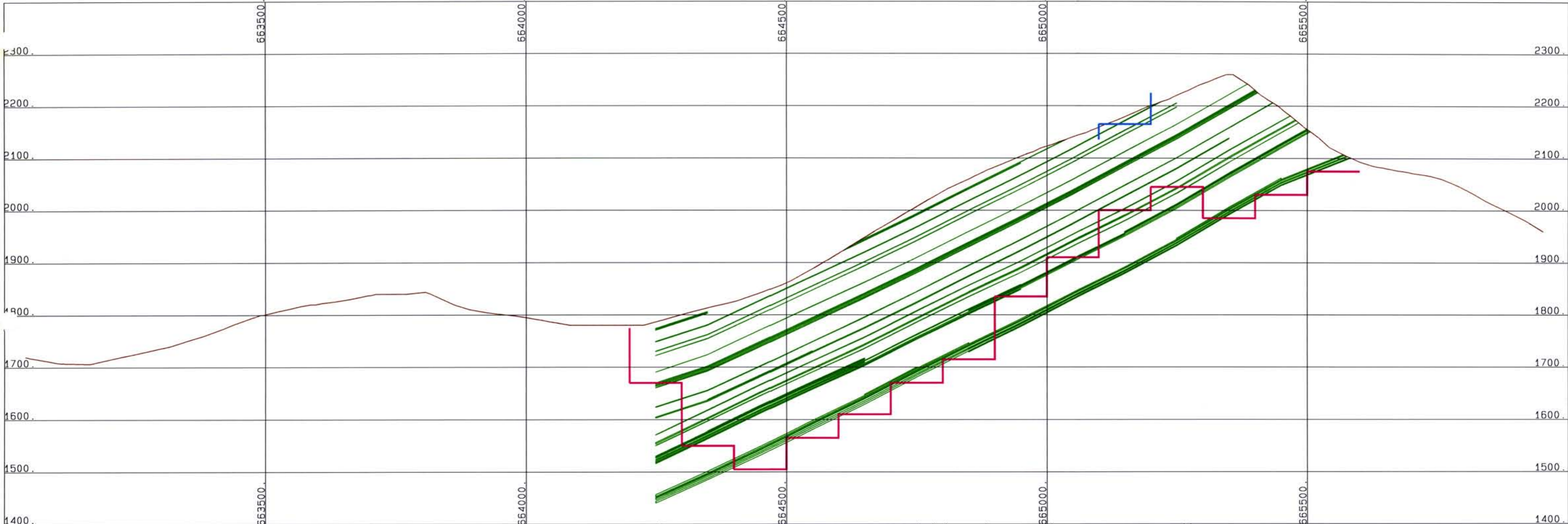


REVISIONS	No	DATE	MADE BY	DESCRIPTION	
	1				
	2				
	3				
	4				
	5				
DATE		DRAWN BY	CHECKED	APPROVED	
03-30-98		rtg			

CALGARY DEVELOPMENT

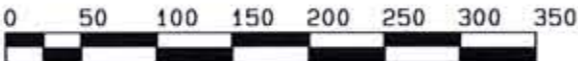
**Lodgepole 467150N w/ seams,  
holes, two s/r pits**

MAP INDEX NUMBER	SCALE	DRAWING NUMBER
	1: 5000 .M	



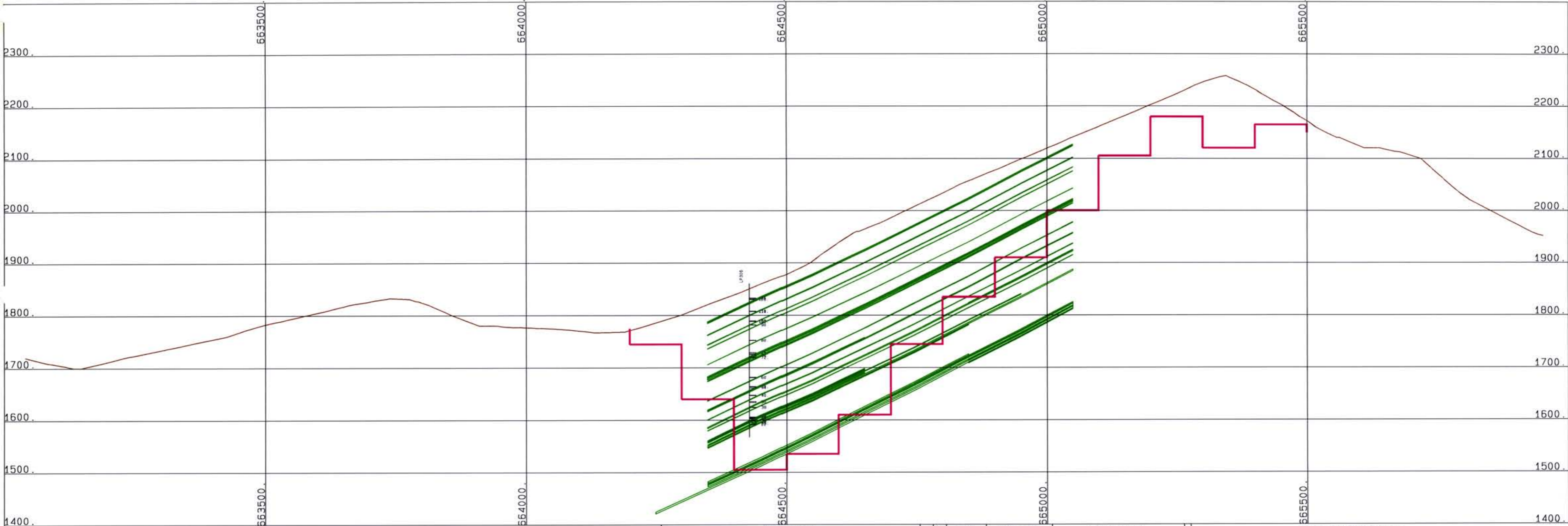
**Legend**

Cyan = 4:1 bcm/t raw S/R  
Magenta = 6:1 bcm/t raw S/R



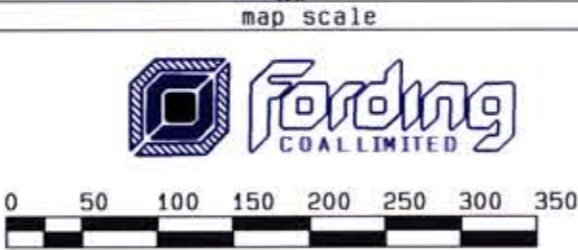
REVISIONS	No	DATE	MADE BY	DESCRIPTION	
	1				
	2				
	3				
	4				
	5				
DATE		DRAWN BY	CHECKED	APPROVED	
03-30-98		rtg			

CALGARY DEVELOPMENT		
Lodgepole 467250N w/ seams, holes, two s/r pits		
MAP INDEX NUMBER	SCALE	DRAWING NUMBER
	1: 5000 .M	



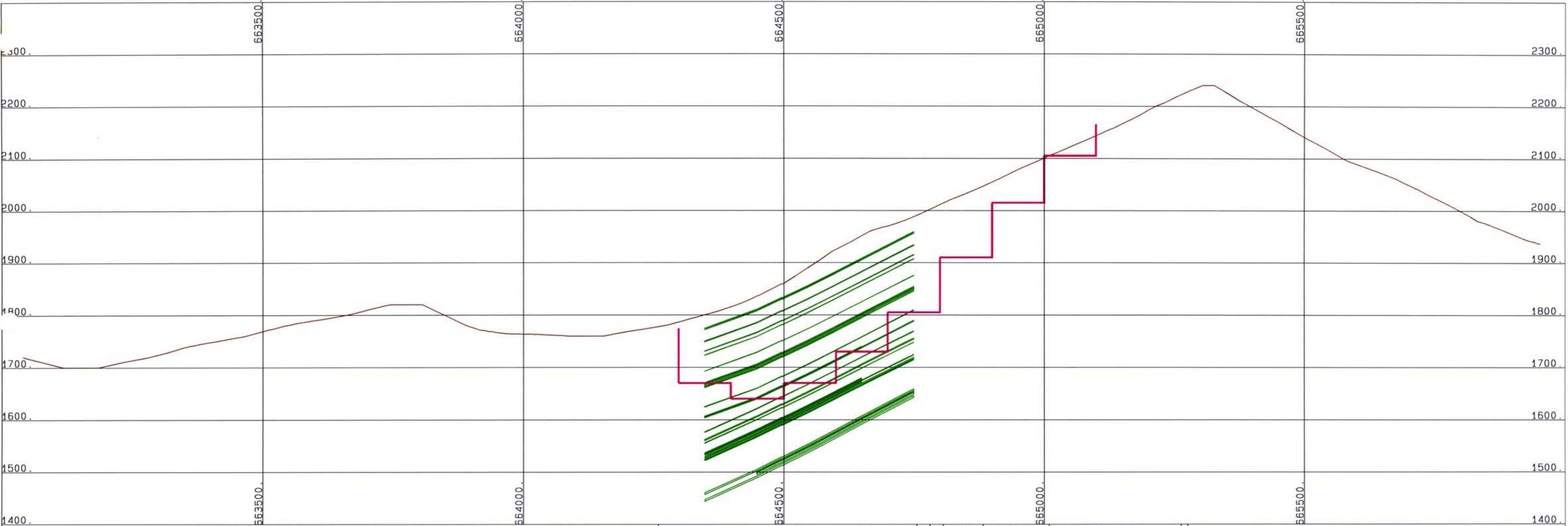
**Legend**

Cyan = 4: 1 bcm/t raw S/R  
Magenta = 6: 1 bcm/t raw S/R




REVISIONS	No	DATE	MADE BY	DESCRIPTION	
	1				
	2				
	3				
	4				
	5				
DATE		DRAWN BY	CHECKED	APPROVED	
03-30-98		rtg			

CALGARY DEVELOPMENT		
Lodgepole 467350N w/ seams, holes, two s/r pits		
MAP INDEX NUMBER	SCALE	DRAWING NUMBER
	1: 5000 . M	



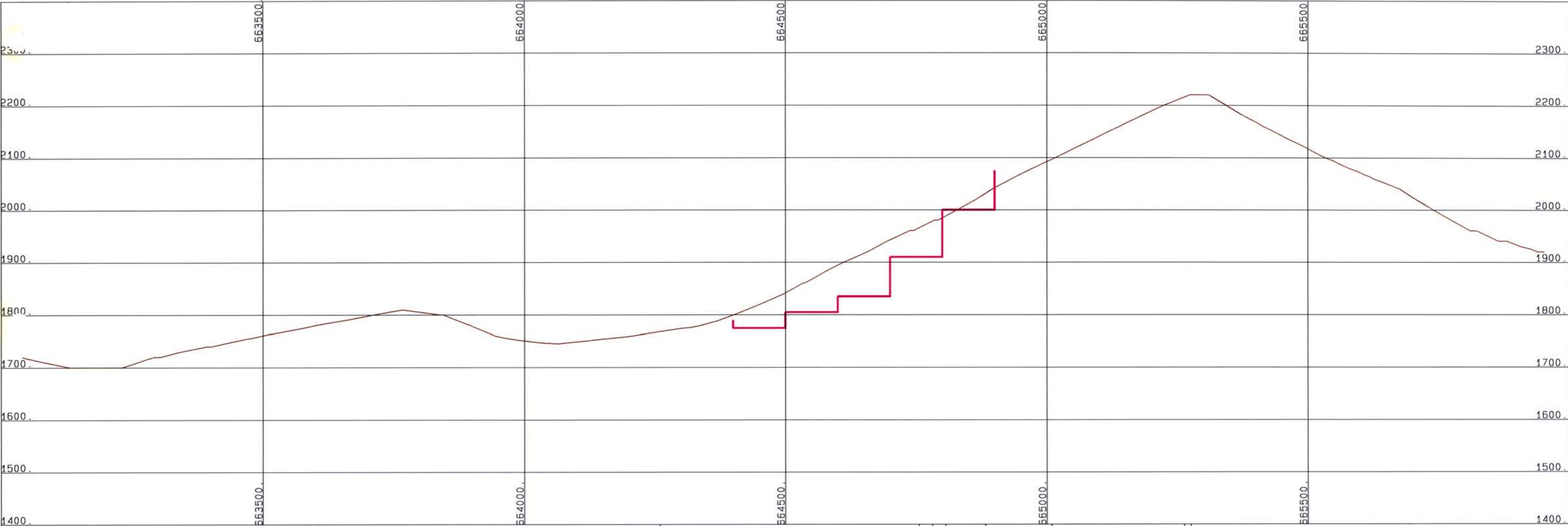
**Legend**  
Cyan = 4:1 bcm/t raw S/R  
Magenta = 6:1 bcm/t raw S/R

map scale

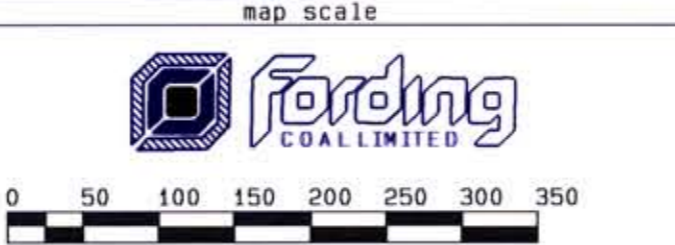
  
0 50 100 150 200 250 300 350

REVISIONS	No	DATE	MADE BY	DESCRIPTION	
	1				
	2				
	3				
	4				
	5				
DATE		DRAWN BY	CHECKED	APPROVED	
03-30-98		rtg			

CALGARY DEVELOPMENT		
Lodgepole 467450N w/ seams, holes, two s/r pits		
MAP INDEX NUMBER	SCALE	DRAWING NUMBER
	1: 5000 . M	



**Legend**  
Cyan = 4: 1 bcm/t raw S/R  
Magenta = 6: 1 bcm/t raw S/R

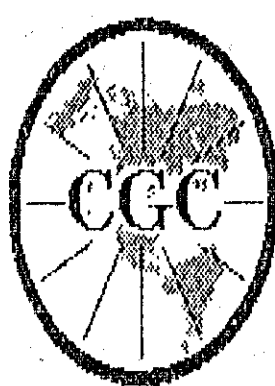


REVISIONS	No	DATE	MADE BY	DESCRIPTION	
	1				
	2				
	3				
	4				
	5				
		DATE	DRAWN BY	CHECKED	APPROVED
		03-30-98	rtg		

CALGARY DEVELOPMENT		
Lodgepole 467550N w/ seams, holes, two s/r pits		
MAP INDEX NUMBER	SCALE	DRAWING NUMBER
	1: 5000 . M	

## **Appendix G - Geophysical Logs**

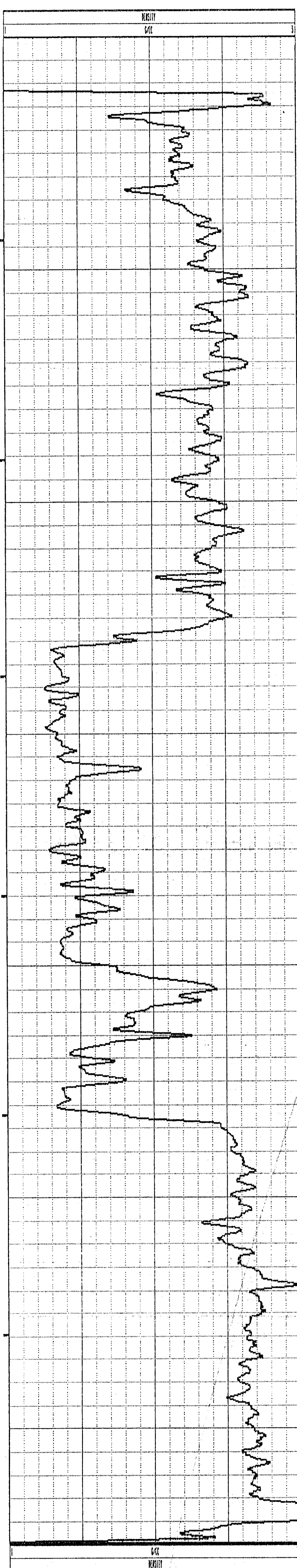
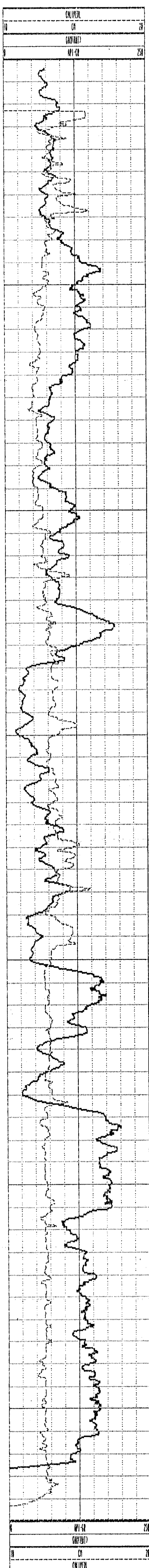
865



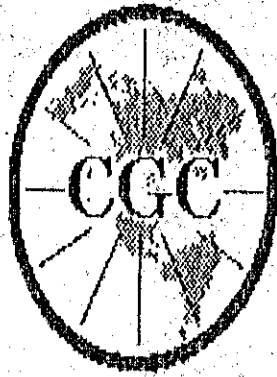
**Centruy**  
GEOPHYSICAL CORP.  
LP-401

COMPANY	: FORDING COAL LTD.	OTHER SERVICES:	9067
WELL	: LP-401		
LOCATION/FIELD	: FERNIE		
COUNTY	:		
STATE	: BRITISH COLUMBIA		
SECTION	:	TOWNSHIP	:
	:		RANGE :
DATE	: 10/02/97	PERMANENT DATUM	: GL
DEPTH DRILLER	: 66	ELEV. PERM. DATUM	: KB
LOG BOTTOM	: 64.97	LOG MEASURED FROM	: GL
LOG TOP	: 0.44	DRL MEASURED FROM	: GL
CASING DRILLER	: 3	LOGGING UNIT	: 9704
CASING TYPE	: STEEL	FIELD OFFICE	: CALGARY
CASING THICKNESS	: 0.65	RECORDED BY	: R. KOWALIK
BIT SIZE	: 13.3	BOREHOLE FLUID	: H2O/Air
MAGNETIC DECL.	: 18	RM	:
MATRIX DENSITY	: 2.65	RM TEMPERATURE	:
FLUID DENSITY	: 1.10	MATRIX DELTA T	: 177.1632
NEUTRON MATRIX	: Sandstone	FLUID DELTA T	:
REMARKS	:		
Open Hole, Vertical			
Driller: SDS			

ALL SERVICES PROVIDED SUBJECT TO STANDARD TERMS AND CONDITIONS



LP-401 10/02/97 412



**Century**  
**GEOPHYSICAL CORP.**  
**LP-401**

COMPANY : FORDING COAL LTD.  
WELL : LP-401  
LOCATION/FIELD : FERNIE  
COUNTY :  
STATE : BRITISH COLUMBIA  
SECTION : TOWNSHIP : RANGE :

OTHER SERVICES:  
9067

DATE : 10/02/97  
DEPTH DRILLER : 66  
LOG BOTTOM : 64.97  
LOG TOP : 0.44

PERMANENT DATUM : GL  
ELEV. PERM. DATUM :  
LOG MEASURED FROM: GL  
DRL MEASURED FROM: GL

ELEVATIONS  
KB :  
DF :  
GL :

CASING DRILLER : 3  
CASING TYPE : STEEL  
CASING THICKNESS: 0.65

LOGGING UNIT : 9704  
FIELD OFFICE : CALGARY  
RECORDED BY : R. KOWALIK

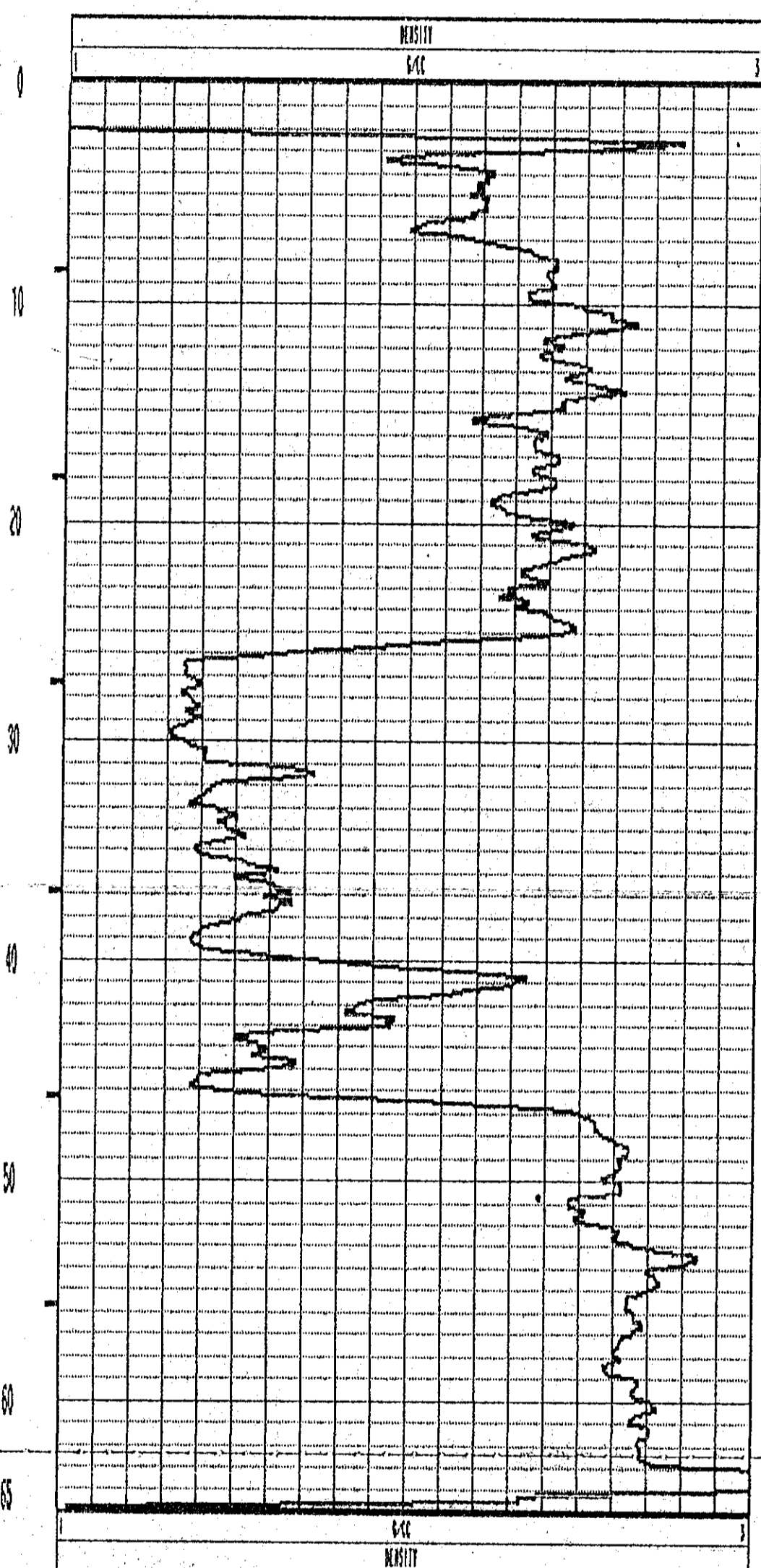
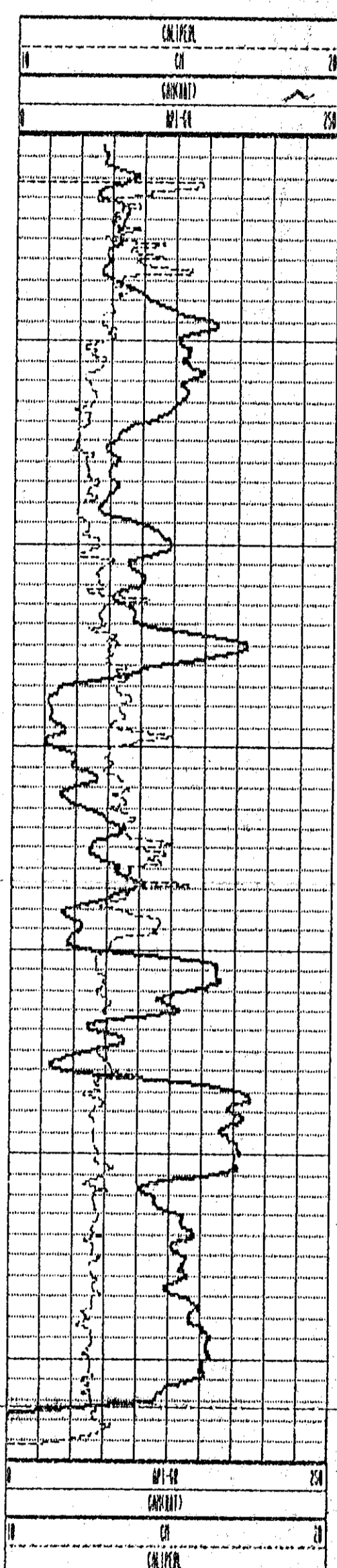
BIT SIZE : 13.3  
MAGNETIC DECL. : 18  
MATRIX DENSITY : 2.65  
FLUID DENSITY : 1.10  
NEUTRON MATRIX : Sandstone

BOREHOLE FLUID : H2O/Air  
RM :  
RM TEMPERATURE :  
MATRIX DELTA T : 177.1632  
FLUID DELTA T :

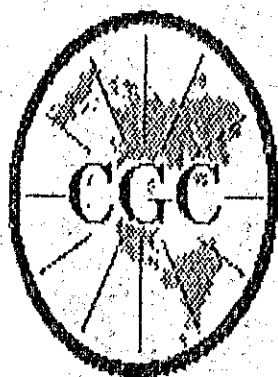
FILE : ORIGINAL  
TYPE : 9030AA  
LOG : 1  
PLOT : GREEN 9  
THRESH: 20000

REMARKS :  
Open Hole, Vertical  
Driller: SDS

ALL SERVICES PROVIDED SUBJECT TO STANDARD TERMS AND CONDITIONS



LP-401 10/02/97 412



**Century**  
**GEOPHYSICAL CORP.**  
**LP-401**

COMPANY : FORDING COAL LTD.  
WELL : LP-401  
LOCATION/FIELD : FERNIE  
COUNTY :  
STATE : BRITISH COLUMBIA  
SECTION : TOWNSHIP :

OTHER SERVICES:  
9067

RANGE :

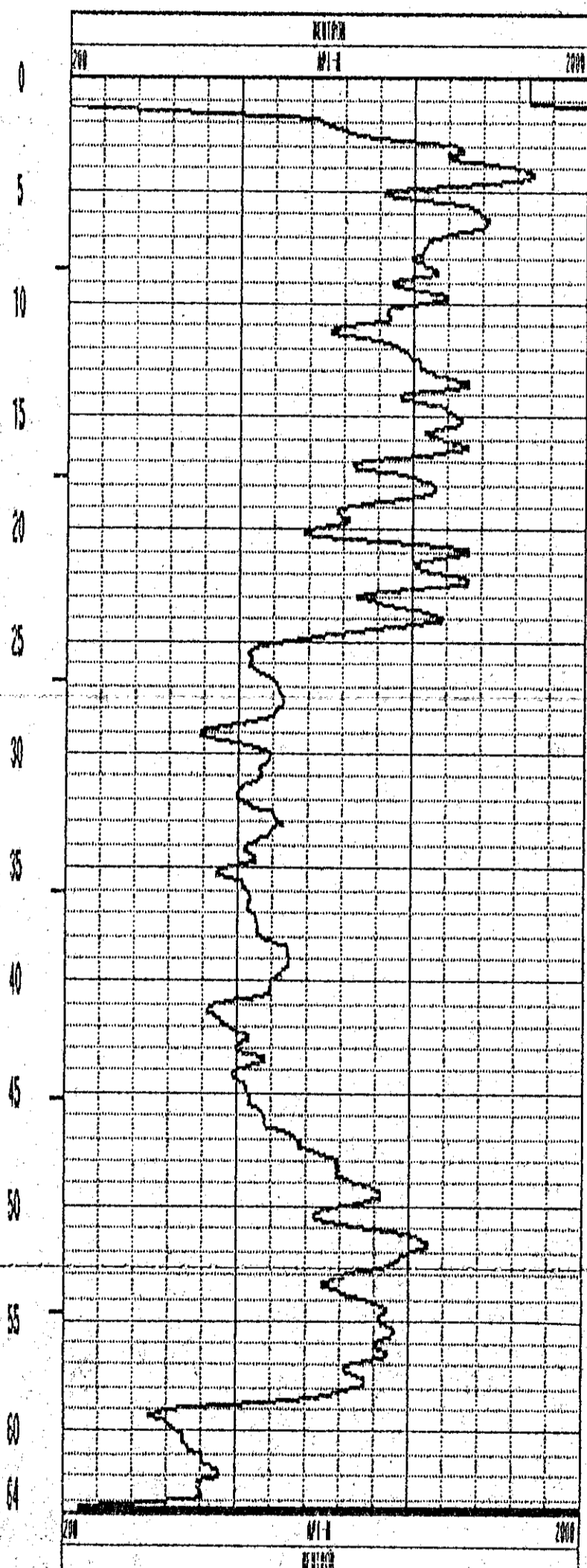
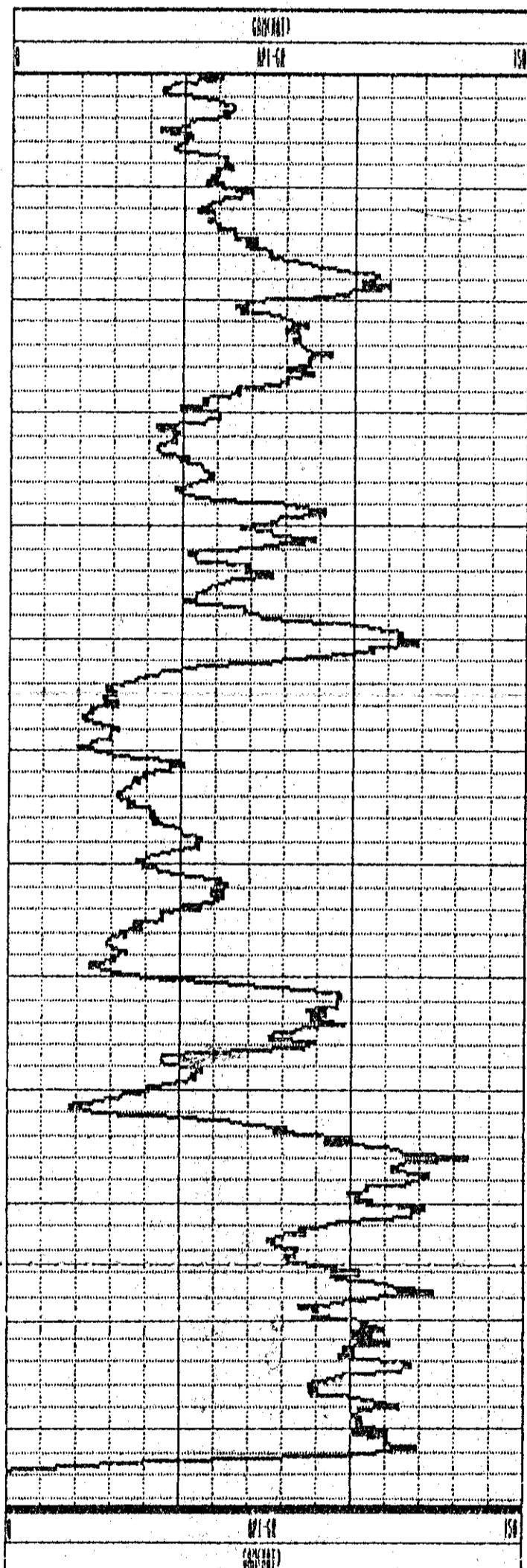
DATE : 10/02/97 PERMANENT DATUM : GL. ELEVATIONS  
DEPTH DRILLER : 66 ELEV. PERM. DATUM: KB :  
LOG BOTTOM : 63.52 LOG MEASURED FROM: GL. DF :  
LOG TOP : 0.18 DRL MEASURED FROM: GL. GL. :

CASING DRILLER : 3 LOGGING UNIT : 9704  
CASING TYPE : STEEL FIELD OFFICE : CALGARY  
CASING THICKNESS: 0.65 RECORDED BY : R. KOWALIK

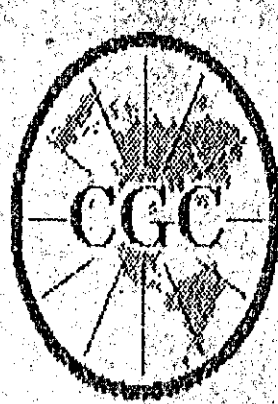
BIT SIZE : 13.3 BOREHOLE FLUID : H2O/Air FILE : ORIGINAL  
MAGNETIC DECL. : 18 RM : TYPE : 9067A  
MATRIX DENSITY : 2.65 RM TEMPERATURE : LOG : 0  
FLUID DENSITY : 1.10 MATRIX DELTA T : 177.1632 PLOT : GREEN 0  
NEUTRON MATRIX : Sandstone FLUID DELTA T : THRESH: 20000

REMARKS :  
Open Hole, Vertical  
Driller: SDS

ALL SERVICES PROVIDED SUBJECT TO STANDARD TERMS AND CONDITIONS



LP-401 10/02/97 523



**Century**  
**GEOPHYSICAL CORP.**  
**LP-401**

COMPANY : FORDING COAL LTD.  
WELL : LP-401  
LOCATION/FIELD : FERNIE  
COUNTY :  
STATE : BRITISH COLUMBIA  
SECTION : TOWNSHIP : RANGE :

OTHER SERVICES:  
9067

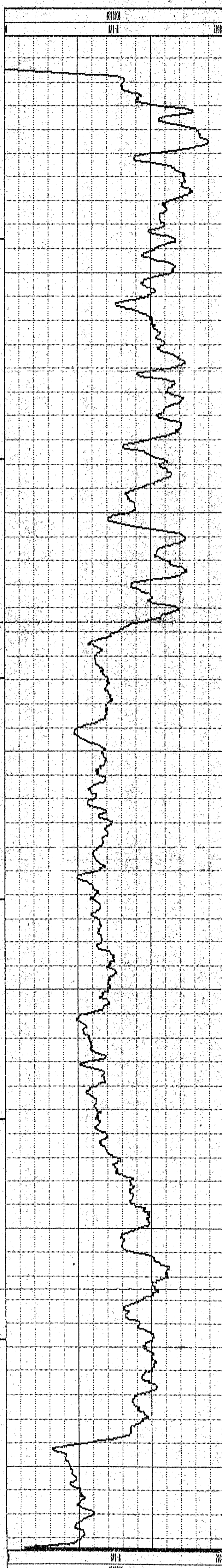
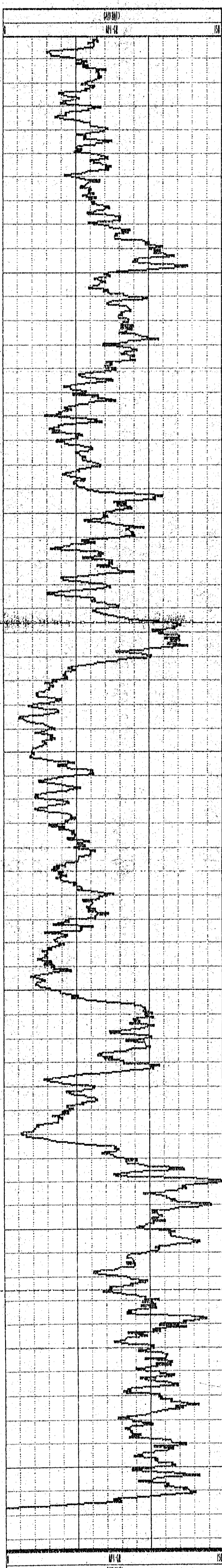
DATE : 10/02/97 PERMANENT DATUM : GL ELEVATIONS  
DEPTH DRILLER : 66 ELEV. PERM. DATUM: KB  
LOG BOTTOM : 63.52 LOG MEASURED FROM: GL DF  
LOG TOP : 0.18 DRL MEASURED FROM: GL GL

CASING DRILLER : 3 LOGGING UNIT : 9704  
CASING TYPE : STEEL FIELD OFFICE : CALGARY  
CASING THICKNESS: 0.65 RECORDED BY : R. KOHALIK

BIT SIZE : 13.3 BOREHOLE FLUID : H2O/Air FILE : ORIGINAL  
MAGNETIC DECL. : 18 RM TYPE : 9067A  
MATRIX DENSITY : 2.65 RM TEMPERATURE : LOG : 0  
FLUID DENSITY : 1.10 MATRIX DELTA T : 177.1632 PLOT : LODGE 1  
NEUTRON MATRIX : Sandstone FLUID DELTA T : THRESH: 20000

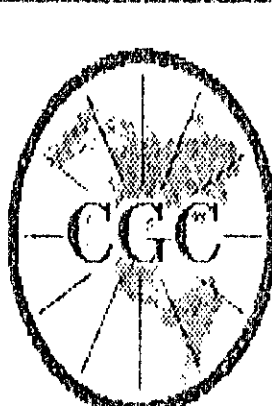
REMARKS :  
Open Hole, Vertical  
Driller: SDS

ALL SERVICES PROVIDED SUBJECT TO STANDARD TERMS AND CONDITIONS



LP-401 10/02/97 523

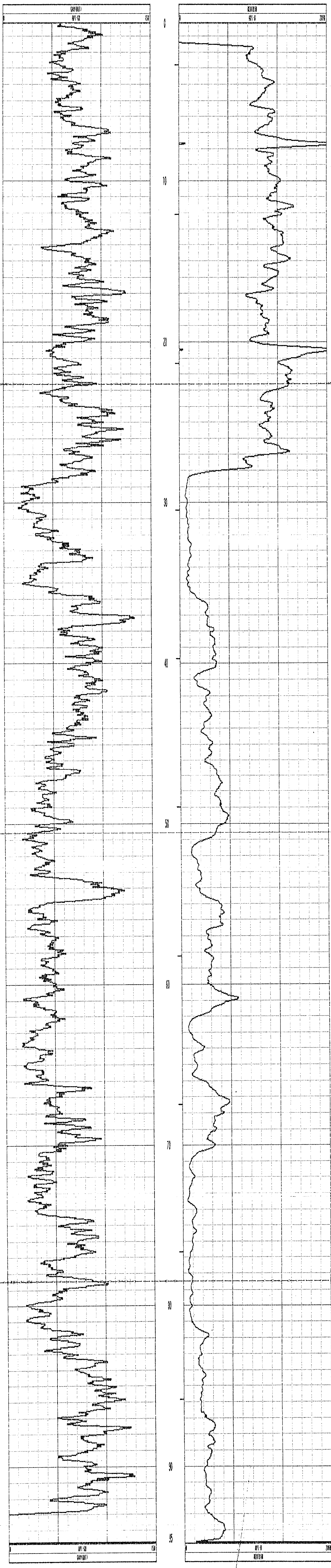
865



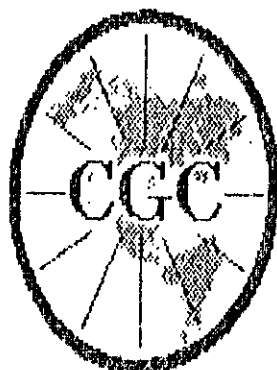
**Century**  
GEOPHYSICAL CORP.  
LP-402

COMPANY	: FORDING COAL LTD.	OTHER SERVICES:	9030
WELL	: LP-402		
LOCATION/FIELD	: FERNIE		
COUNTY			
STATE	: BRITISH COLUMBIA		
SECTION	: TOWNSHIP	RANGE	:
DATE	: 10/03/97	PERMANENT DATUM	: GL ELEVATIONS
DEPTH DRILLER	: 96	ELEV. PERM. DATUM:	KB :
LOG BOTTOM	: 94.80	LOG MEASURED FROM:	GL DF :
LOG TOP	: 0.26	DRL MEASURED FROM:	GL GL :
CASING DRILLER	: 6	LOGGING UNIT	: 9704
CASING TYPE	: STEEL	FIELD OFFICE	: CALGARY
CASING THICKNESS:	0.65	RECORDED BY	: R. KOWALIK
BIT SIZE	: 13.3	BOREHOLE FLUID	: H2O/Air FILE : ORIGINAL
MAGNETIC DECL.	: 18	RM	: TYPE : 9067A
MATRIX DENSITY	: 2.65	RM TEMPERATURE	: LOG : 2
FLUID DENSITY	: 1.18	MATRIX DELTA T	: 177.1632 PLOT : LODGE 1
NEUTRON MATRIX	: Sandstone	FLUID DELTA T	: THRESH: 20000
REMARKS	:		
Logged Through Rods			
Driller: SDS			

ALL SERVICES PROVIDED SUBJECT TO STANDARD TERMS AND CONDITIONS



LP-402 10/03/97 523.1



Century  
GEOPHYSICAL CORP.  
LP-402

COMPANY : FORDING COAL LTD.  
WELL : LP-402  
LOCATION/FIELD : FERNIE  
COUNTY :  
STATE : BRITISH COLUMBIA  
SECTION : TOWNSHIP :

OTHER SERVICES:  
9067

RANGE :

DATE : 10/03/97  
DEPTH DRILLER : 96  
LOG BOTTOM : 50.84  
LOG TOP : 0.68

PERMANENT DATUM : GL  
ELEV. PERM. DATUM: KB :  
LOG MEASURED FROM: GL DF :  
DRL MEASURED FROM: GL GL :

CASING DRILLER : 3  
CASING TYPE : STEEL  
CASING THICKNESS: 0.65

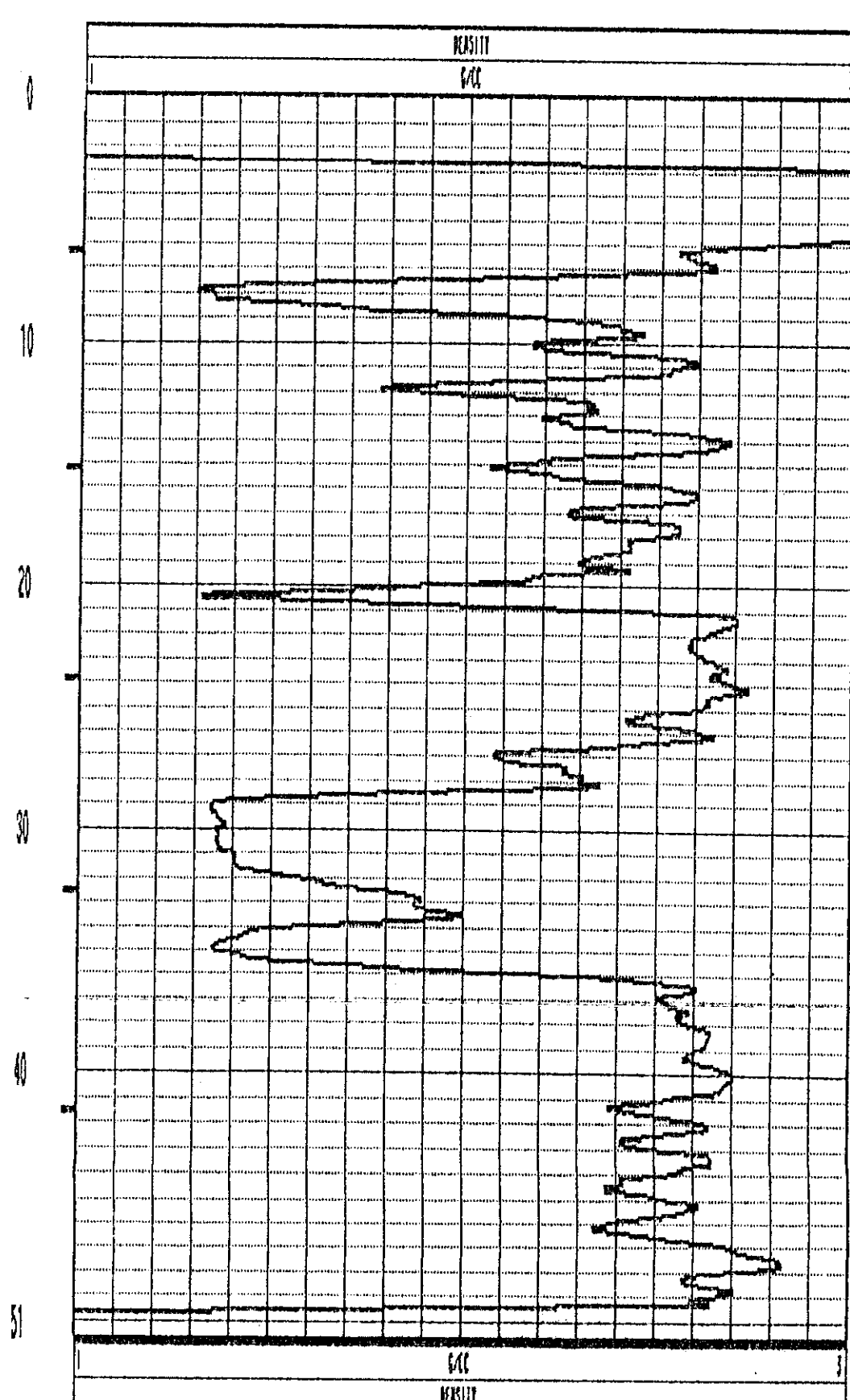
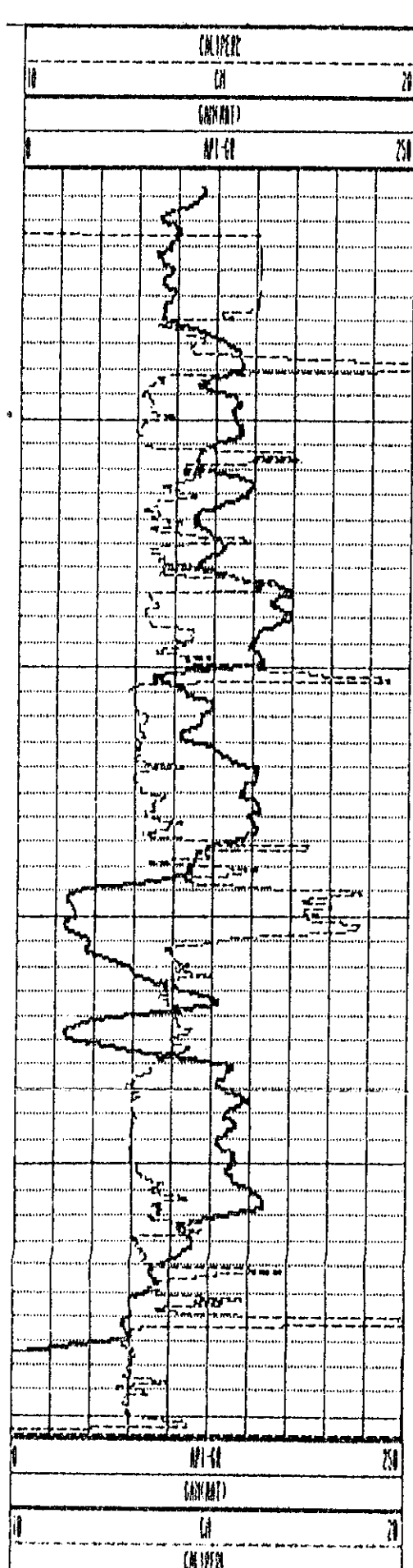
LOGGING UNIT : 9704  
FIELD OFFICE : CALGARY  
RECORDED BY : R. KOWALIK

BIT SIZE : 13.3  
MAGNETIC DECL. : 18  
MATRIX DENSITY : 2.65  
FLUID DENSITY : 1.10  
NEUTRON MATRIX : Sandstone

BOREHOLE FLUID : H2O/Air  
RM :  
RM TEMPERATURE :  
MATRIX DELTA T : 177.1632  
FLUID DELTA T :  
FILE : ORIGINAL  
TYPE : 9030AA  
LOG : 3  
PLOT : X 1  
THRESH: 20000

REMARKS :  
Open Hole  
Driller: SDS

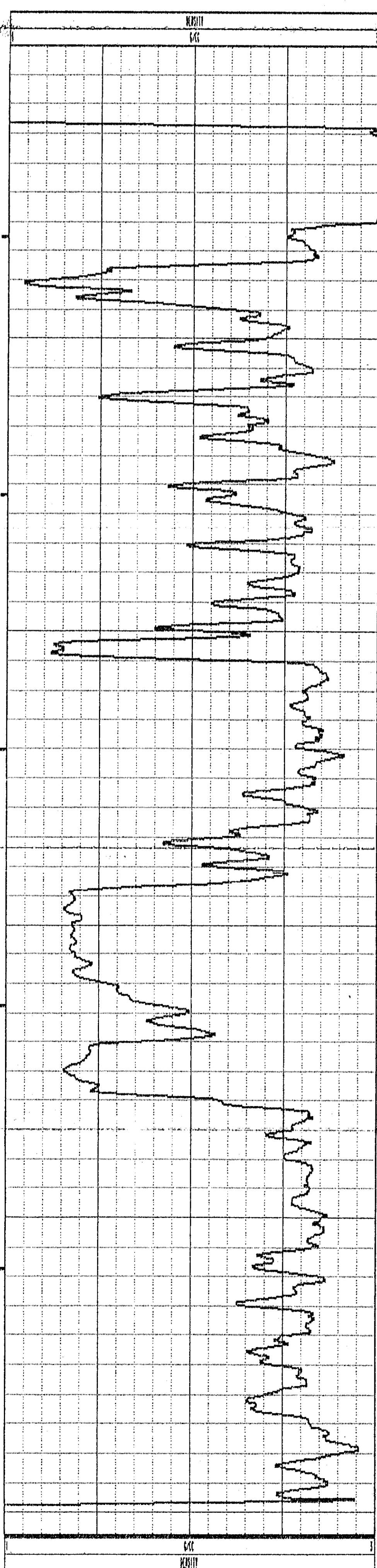
ALL SERVICES PROVIDED SUBJECT TO STANDARD TERMS AND CONDITIONS

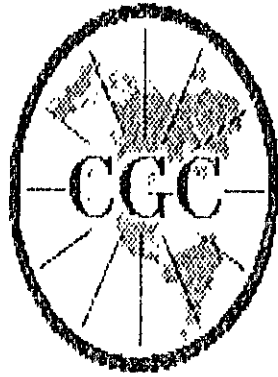


LP-402 10/03/97 412



ALL SERVICES PROVIDED SUBJECT TO STANDARD TERMS AND CONDITIONS





**Century**  
**GEOPHYSICAL CORP.**  
**LP-402**

COMPANY : FORDING COAL LTD.  
WELL : LP-402  
LOCATION/FIELD : FERNIE  
COUNTY :  
STATE : BRITISH COLUMBIA  
SECTION : TOWNSHIP :

OTHER SERVICES:  
9030

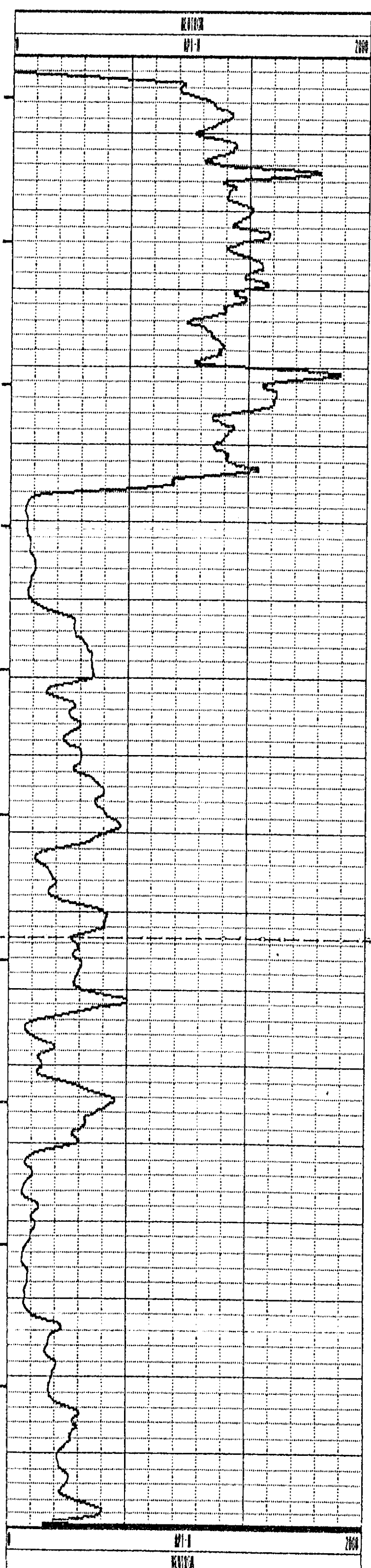
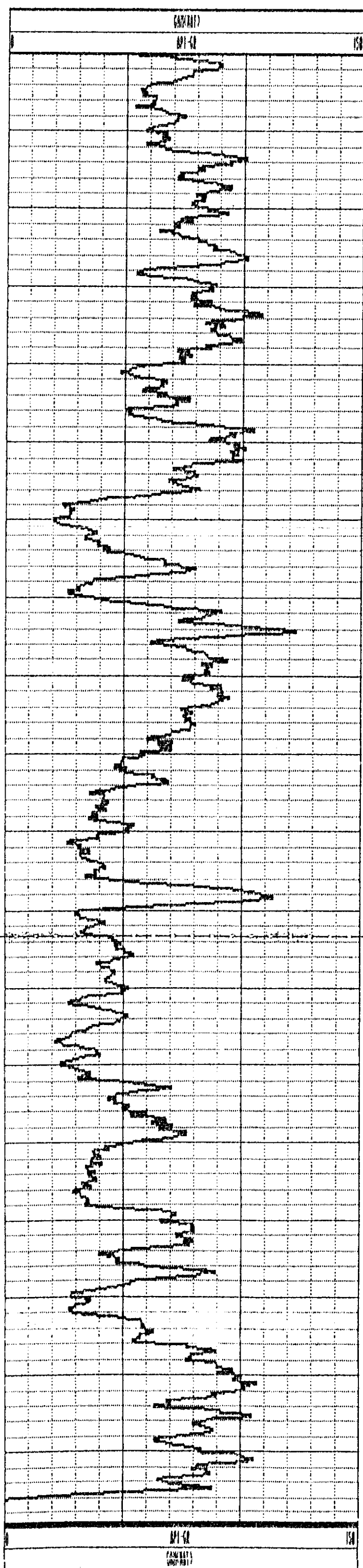
RANGE :

DATE : 10/03/97 PERMANENT DATUM : GL ELEVATIONS  
DEPTH DRILLER : 96 ELEV. PERM. DATUM: KB :  
LOG BOTTOM : 94.80 LOG MEASURED FROM: GL DF :  
LOG TOP : 0.26 DRL MEASURED FROM: GL GL :  
CASING DRILLER : 3 LOGGING UNIT : 9704  
CASING TYPE : STEEL FIELD OFFICE : CALGARY  
CASING THICKNESS: 0.65 RECORDED BY : R. KOWALIK

BIT SIZE : 13.3 BOREHOLE FLUID : H2O/Air FILE : ORIGINAL  
MAGNETIC DECL. : 18 RM TYPE : 9067A  
MATRIX DENSITY : 2.65 RM TEMPERATURE : LOG : 2  
FLUID DENSITY : 1.10 MATRIX DELTA T : 177.1632 PLOT : X 0  
NEUTRON MATRIX : Sandstone FLUID DELTA T : THRESH: 20000

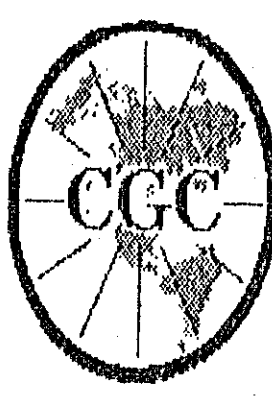
REMARKS :  
Logged Through Rods  
Driller: SDS

ALL SERVICES PROVIDED SUBJECT TO STANDARD TERMS AND CONDITIONS



LP-402 10/03/97 523

865



**Century**  
GEOPHYSICAL CORP.  
LP-404

COMPANY : FORDING COAL LTD.  
WELL : LP-404  
LOCATION/FIELD : FERNIE  
COUNTY :  
STATE : BRITISH COLUMBIA  
SECTION : TOWNSHIP :

OTHER SERVICES:  
9067  
0012  
9055

RANGE :

DATE : 10/10/97  
DEPTH DRILLER : 102  
LOG BOTTOM : 101.53  
LOG TOP : 0.94

PERMANENT DATUM : GL  
ELEV. PERM. DATUM :  
LOG MEASURED FROM: GL  
DRL MEASURED FROM: GL

ELEVATIONS  
KB :  
DF :  
GL :

CASING DRILLER : 21  
CASING TYPE : STEEL  
CASING THICKNESS: 0.65

LOGGING UNIT : 9704  
FIELD OFFICE : CALGARY  
RECORDED BY : R. KOWALIK

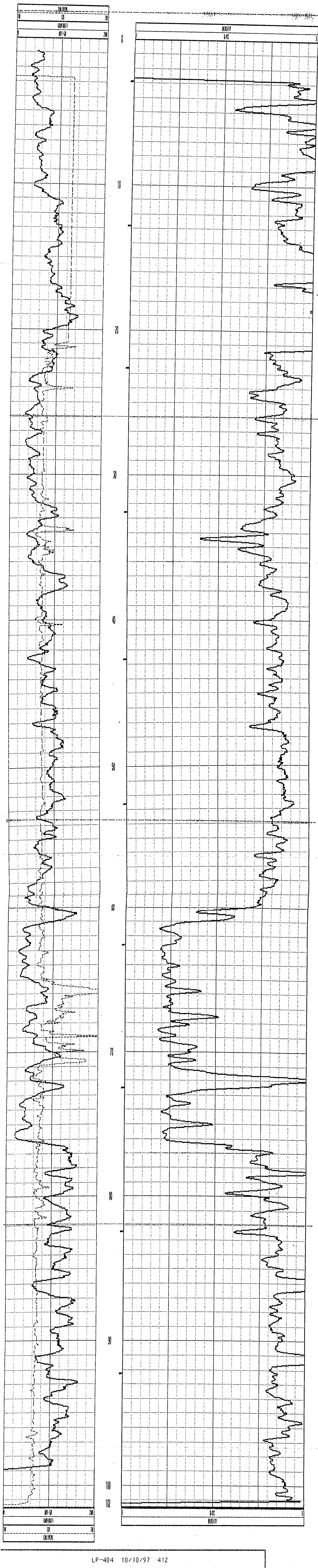
BIT SIZE : 13.3  
MAGNETIC DECL. : 18  
MATRIX DENSITY : 2.65  
FLUID DENSITY : 1.10  
NEUTRON MATRIX : Sandstone

BOREHOLE FLUID : H2O/Air  
RM :  
RM TEMPERATURE :  
MATRIX DELTA T : 177.1632  
FLUID DELTA T :

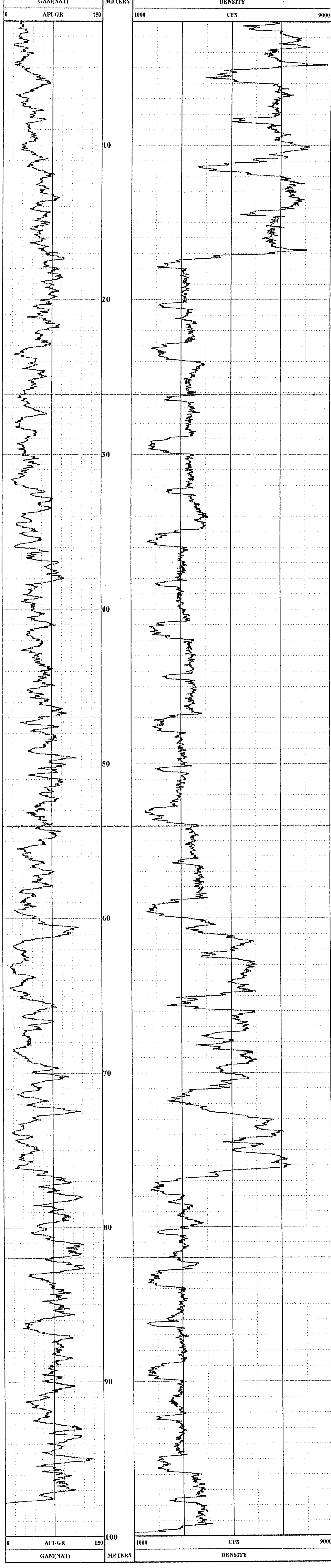
FILE : ORIGINAL  
TYPE : 903000  
LOG : 1  
PLOT : LODGE 3  
THRESH: 20000

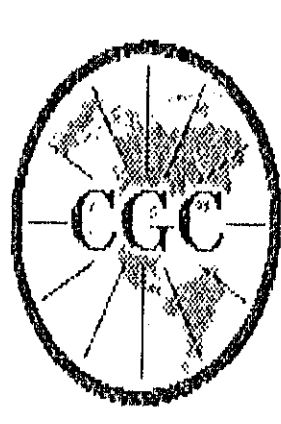
REMARKS :  
Open Hole, Vertical  
Driller: SDS

ALL SERVICES PROVIDED SUBJECT TO STANDARD TERMS AND CONDITIONS



LP-404 10/10/97 412





# Century GEOPHYSICAL CORP.

LP-404

COMPANY : FORDING COAL LTD.  
WELL : LP-404  
LOCATION/FIELD : FERNIE  
COUNTY :  
STATE : BRITISH COLUMBIA  
SECTION : TOWNSHIP :

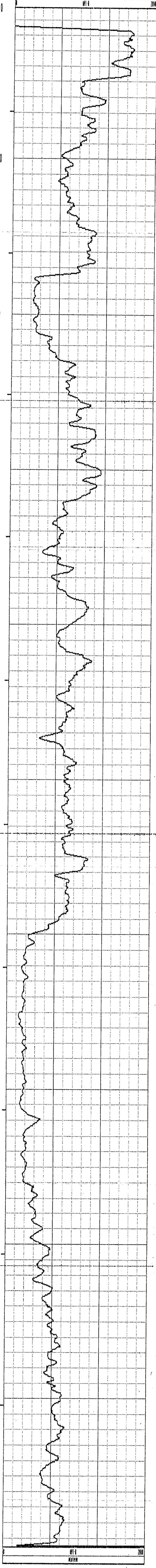
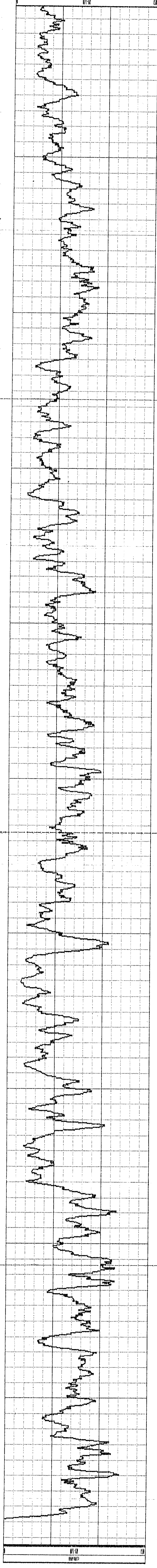
OTHER SERVICES:  
9055  
9030

DATE : 10/10/97 PERMANENT DATUM : GL ELEVATIONS  
DEPTH DRILLER : 102 ELEV. PERM. DATUM: KB :  
LOG BOTTOM : 99.56 LOG MEASURED FROM: GL DF :  
LOG TOP : 0.30 DRL MEASURED FROM: GL GL :  
CASING DRILLER : 21 LOGGING UNIT : 9704  
CASING TYPE : STEEL FIELD OFFICE : CALGARY  
CASING THICKNESS: 0.65 RECORDED BY : R. KOMALIK

BIT SIZE : 13.3 BOREHOLE FLUID : H2O/Air FILE : ORIGINAL  
MAGNETIC DECL. : 18 RM TYPE : 90670  
MATRIX DENSITY : 2.65 RM TEMPERATURE : LOG : 9  
FLUID DENSITY : 1.10 MATRIX DELTA T : 177.1632 PLOT : LODGE 1  
NEUTRON MATRIX : Sandstone FLUID DELTA T : THRESH: 20000

REMARKS :  
Logged Through Rods, Vertical  
Driller: SDS

ALL SERVICES PROVIDED SUBJECT TO STANDARD TERMS AND CONDITIONS

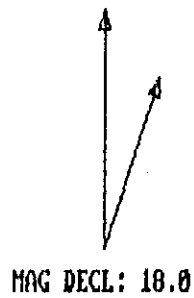


LP-404 10/10/97 523

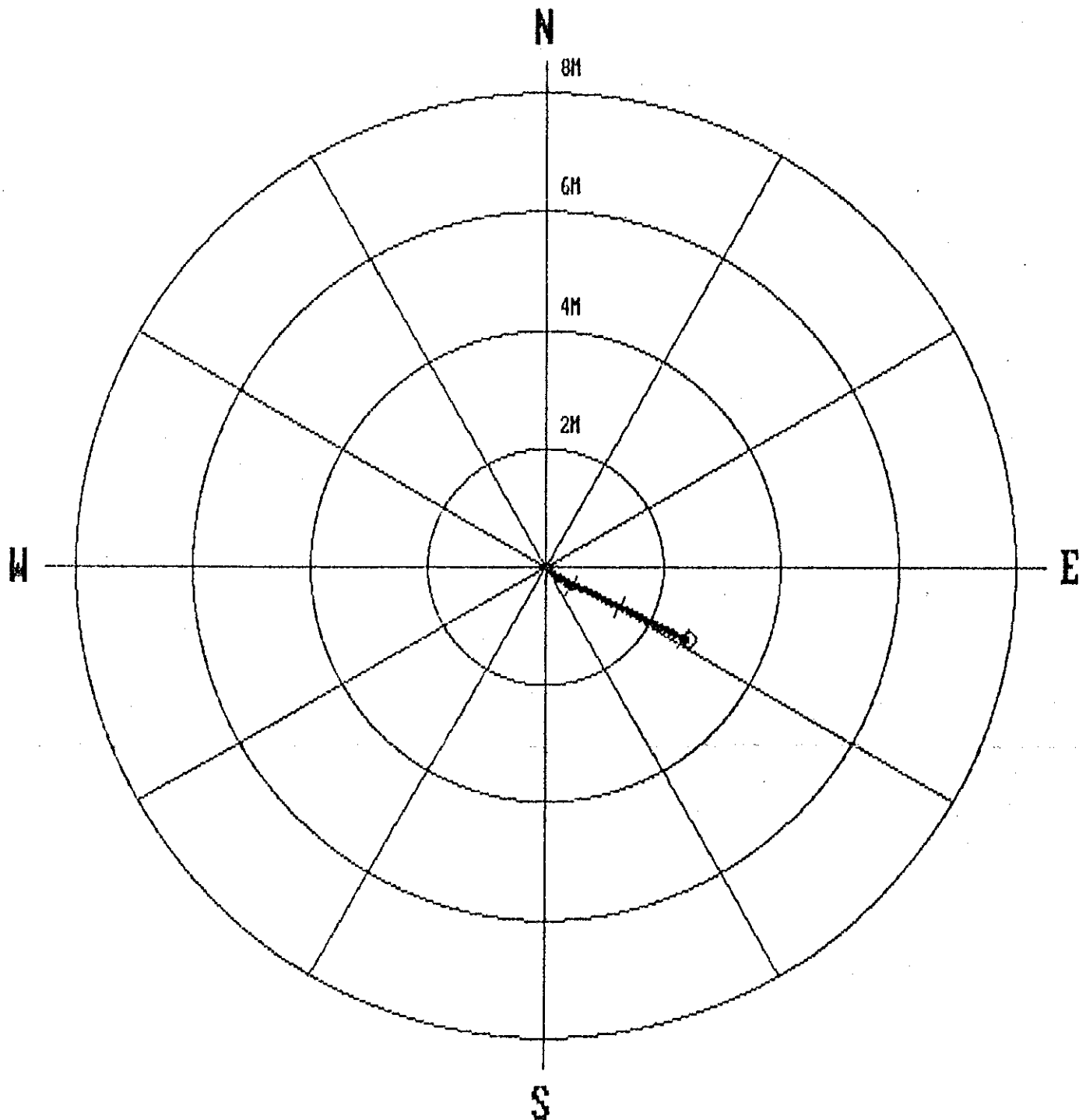
# PLAN VIEW

## COMPU-LOG DEVIATION

CLIENT: FORDING COAL LTD.  
 LOCATION: FERNIE  
 HOLE ID: LP-404  
 DATE OF LOG: 10/10/97  
 PROBE: 9055A 247



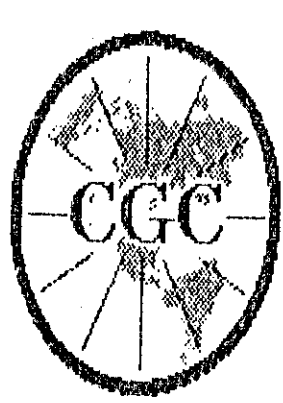
SCALE: 1 M/CM  
 TRUE DEPTH: 101.33 M  
 AZIMUTH: 117.0  
 DISTANCE: 2.7 M  
 + = 20 M INCR  
 O = BOTTOM OF HOLE



### \* \* \* \* \* COMPU-LOG - VERTICAL DEVIATION \* \* \* \* \*

CLIENT	: FORDING COAL LTD.	HOLE ID.	: LP-404
FIELD OFFICE	: CALGARY	DATE OF LOG	: 10/10/97
DATA FROM	:	PROBE	: 9055A , 247
MAG. DECL.	: 18.000	DEPTH UNITS	: METERS LOG 3

CABLE DEPTH	TRUE DEPTH	NORTH DEV.	EAST DEV.	DISTANCE	AZIMUTH	SANG	SANGB
27.1	27.10	-0.00	0.00	0.0	162.3	0.4	162.3
30.0	30.00	-0.02	0.01	0.0	147.3	0.5	134.9
35.0	35.00	-0.04	0.04	0.1	130.8	0.3	105.1
40.0	40.00	-0.07	0.07	0.1	132.0	0.6	149.9
45.0	45.00	-0.13	0.12	0.2	137.8	1.0	145.9
50.0	50.00	-0.19	0.20	0.3	133.4	1.4	105.5
55.0	55.00	-0.27	0.31	0.4	130.9	1.8	120.5
60.0	59.99	-0.32	0.45	0.6	125.5	1.9	101.9
65.0	64.99	-0.38	0.63	0.7	121.0	2.3	116.6
70.0	69.99	-0.45	0.80	0.9	119.2	2.2	118.4
75.0	74.98	-0.57	1.02	1.2	119.0	3.2	117.3
80.0	79.97	-0.68	1.27	1.4	118.2	3.6	111.1
85.0	84.96	-0.80	1.53	1.7	117.7	3.2	116.8
90.0	89.96	-0.93	1.77	2.0	117.6	3.3	117.4
95.0	94.95	-1.05	2.04	2.3	117.3	3.5	114.7
100.0	99.94	-1.20	2.34	2.6	117.2	4.2	113.8
101.4	101.33	-1.24	2.44	2.7	117.0	4.2	108.3



# Century

## GEOPHYSICAL CORP.

LP-406

COMPANY : FORDING COAL LTD.  
WELL : LP-406  
LOCATION/FIELD : FERNIE  
COUNTY :  
STATE : BRITISH COLUMBIA  
SECTION : TOWNSHIP : RANGE :

OTHER SERVICES:  
9067

DATE : 10/06/97  
DEPTH DRILLER : 70  
LOG BOTTOM : 69.61  
LOG TOP : 0.76

PERMANENT DATUM : GL  
ELEV. PERM. DATUM :  
LOG MEASURED FROM: GL  
DRL MEASURED FROM: GL

ELEVATIONS  
KB :  
BF :  
GL :

CASING DRILLER : 9  
CASING TYPE : STEEL  
CASING THICKNESS: 0.65

LOGGING UNIT : 9704  
FIELD OFFICE : CALGARY  
RECORDED BY : R. KOWALIK

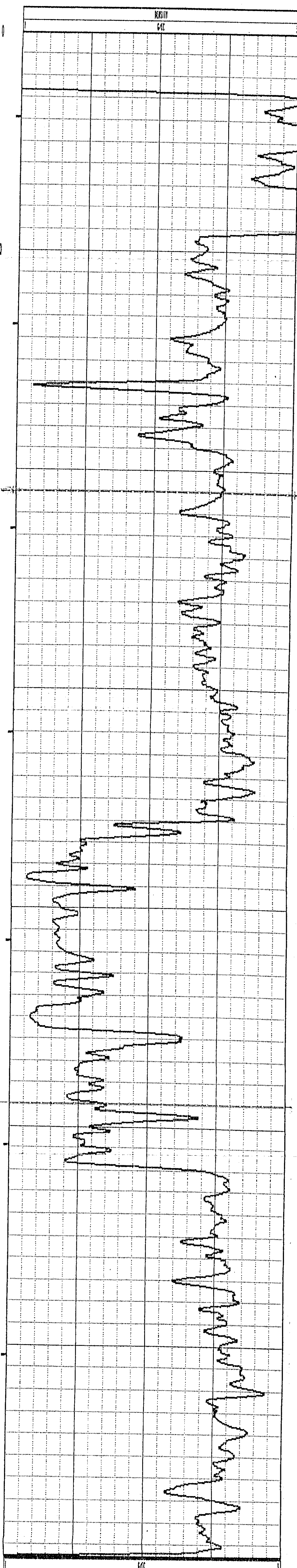
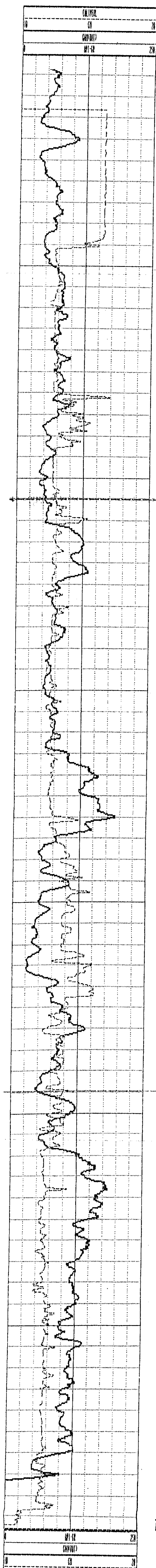
BIT SIZE : 13.3  
MAGNETIC DECL. : 18  
MATRIX DENSITY : 2.65  
FLUID DENSITY : 1.10  
NEUTRON MATRIX : Sandstone

BOREHOLE FLUID : H2O/Air  
RM :  
RM TEMPERATURE :  
MATRIX DELTA T : 177.1632  
FLUID DELTA T :

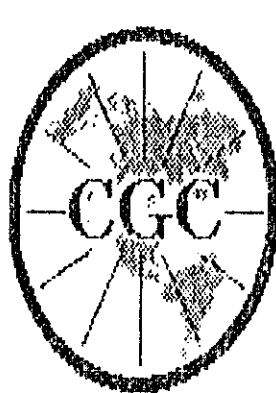
FILE : ORIGINAL  
TYPE : 9030AA  
LOG : 2  
PLOT : LODGE 3  
THRESH: 20000

REMARKS :  
Open Hole, Vertical  
Driller: SDS

ALL SERVICES PROVIDED SUBJECT TO STANDARD TERMS AND CONDITIONS



865



**Century**  
GEOPHYSICAL CORP.  
LP-406

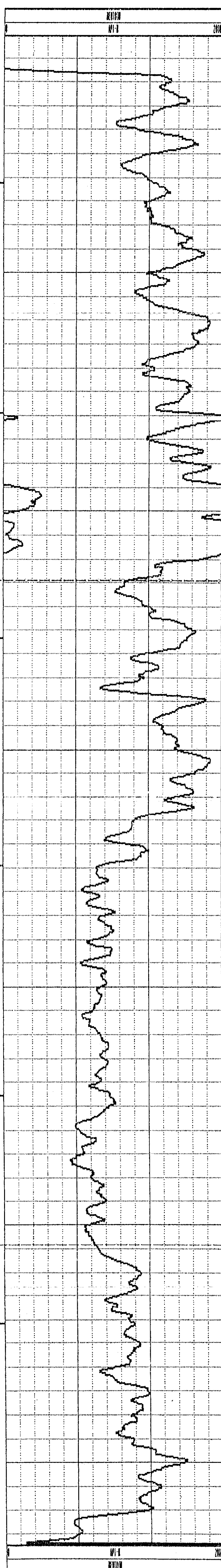
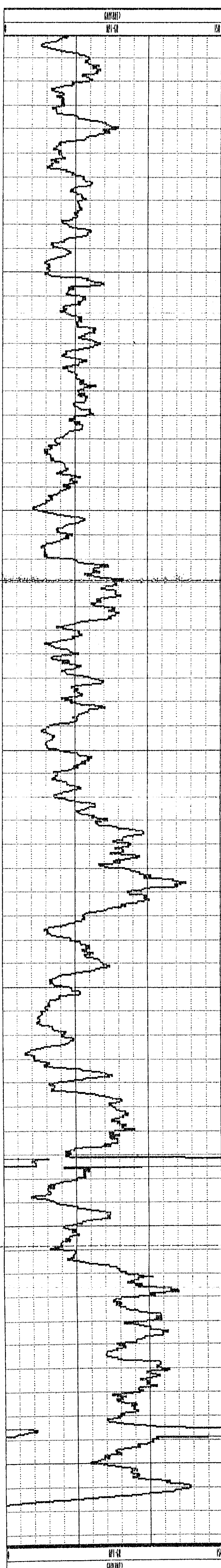
COMPANY : FORDING COAL LTD.  
WELL : LP-406  
LOCATION/FIELD : FERNIE  
COUNTY :  
STATE : BRITISH COLUMBIA  
SECTION : TOWNSHIP :

OTHER SERVICES:  
9030

RANGE :

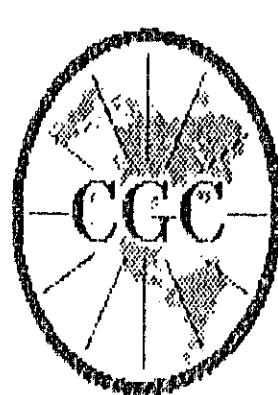
DATE : 10/06/97 PERMANENT DATUM : GL ELEVATIONS  
DEPTH DRILLER : 70 ELEV. PERM. DATUM: KB :  
LOG BOTTOM : 63.46 LOG MEASURED FROM: GL DF :  
LOG TOP : 0.18 DRL MEASURED FROM: GL GL :  
CASING DRILLER : 9 LOGGING UNIT : 9704  
CASING TYPE : STEEL FIELD OFFICE : CALGARY  
CASING THICKNESS: 0.65 RECORDED BY : R. KOHALIK  
BIT SIZE : 13.3 BOREHOLE FLUID : H2O/Air FILE : ORIGINAL  
MAGNETIC DECL. : 18 RM TYPE : 9067A  
MATRIX DENSITY : 2.65 RM TEMPERATURE : LOG : 1  
FLUID DENSITY : 1.10 MATRIX DELTA T : 177.1632 PLOT : LODGE 1  
NEUTRON MATRIX : Sandstone FLUID DELTA T : THRESH: 20000  
REMARKS :  
Logged Through Rods, Vertical  
Driller: SDS

ALL SERVICES PROVIDED SUBJECT TO STANDARD TERMS AND CONDITIONS



LP-406 10/06/97 523

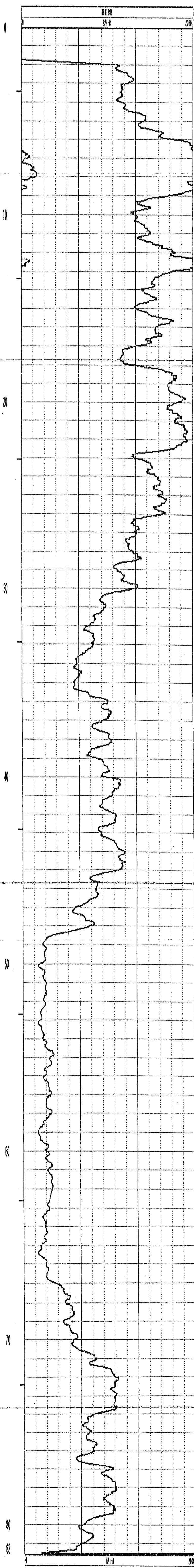
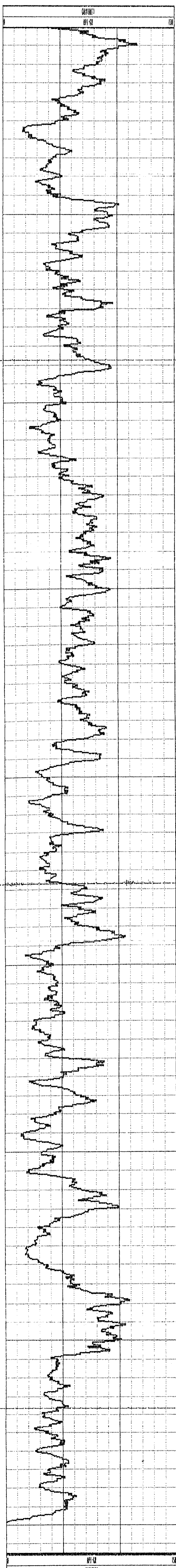
865

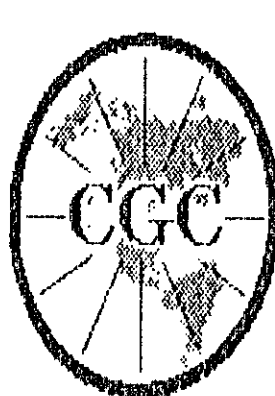


**Century**  
**GEOPHYSICAL CORP.**  
**LP-407**

COMPANY	: FORDING COAL LTD.	OTHER SERVICES:	
WELL	: LP-407	9055	
LOCATION/FIELD	: FERNIE	9030	
COUNTY	:		
STATE	: BRITISH COLUMBIA		
SECTION	: TOWNSHIP	RANGE	:
DATE	: 10/07/97	PERMANENT DATUM	: GL ELEVATIONS
DEPTH DRILLER	: 84	ELEV. PERM. DATUM:	KB :
LOG BOTTOM	: 81.59	LOG MEASURED FROM:	GL DF :
LOG TOP	: 0.54	DRL MEASURED FROM:	GL GL :
CASING DRILLER	: 6	LOGGING UNIT	: 9704
CASING TYPE	: STEEL	FIELD OFFICE	: CALGARY
CASING THICKNESS:	0.65	RECORDED BY	: R. KOWALIK
BIT SIZE	: 13.3	BOREHOLE FLUID	: H2O/Air FILE : ORIGINAL
MAGNETIC DECL.	: 18	RH	: TYPE : 9067A
MATRIX DENSITY	: 2.65	RH TEMPERATURE	: LOG : 3
FLUID DENSITY	: 1.10	MATRIX DELTA T	: 177.1632 PLOT : LODGE 1
NEUTRON MATRIX	: Sandstone	FLUID DELTA T	: THRESH: 20000
REMARKS	:		
Logged Through Rods, Vertical			
Driller: SDS			

ALL SERVICES PROVIDED SUBJECT TO STANDARD TERMS AND CONDITIONS





# Century

## GEOPHYSICAL CORP.

LP-407

COMPANY : FORDING COAL LTD.  
WELL : LP-407  
LOCATION/FIELD : FERNIE  
COUNTY :  
STATE : BRITISH COLUMBIA  
SECTION : TOWNSHIP :

OTHER SERVICES:  
9067  
9055

RANGE :

DATE : 10/07/97  
DEPTH DRILLER : 84  
LOG BOTTOM : 82.49  
LOG TOP : 0.70

PERMANENT DATUM : GL  
ELEV. PERM. DATUM: KB  
LOG MEASURED FROM: GL  
DRL MEASURED FROM: GL  
LOGGING UNIT : 9704  
FIELD OFFICE : CALGARY  
RECORDED BY : R. KOWALIK

ELEVATIONS  
KB :  
DF :  
GL :

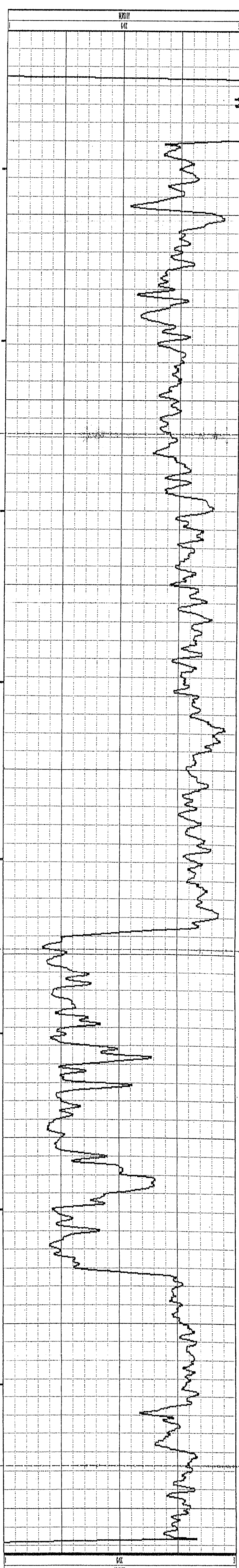
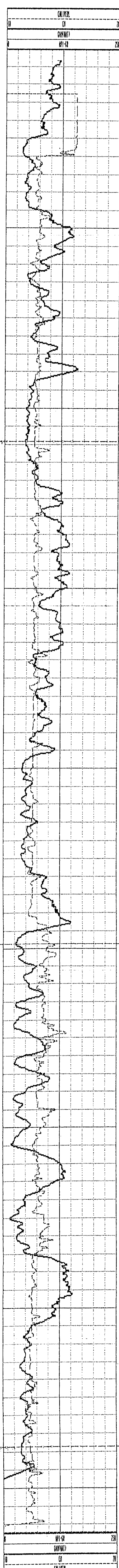
CASING DRILLER : 6  
CASING TYPE : STEEL  
CASING THICKNESS: 0.65  
BIT SIZE : 13.3  
MAGNETIC DECL. : 18  
MATRIX DENSITY : 2.65  
FLUID DENSITY : 1.10  
NEUTRON MATRIX : Sandstone

BOREHOLE FLUID : H2O/Air  
RM :  
RM TEMPERATURE :  
MATRIX DELTA T : 177.1632  
FLUID DELTA T :

FILE : ORIGINAL  
TYPE : 9030AA  
LOG : 5  
PLOT : LODGE 3  
THRESH: 20000

REMARKS :  
Open Hole, Vertical  
Driller: SDS

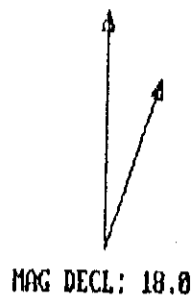
ALL SERVICES PROVIDED SUBJECT TO STANDARD TERMS AND CONDITIONS



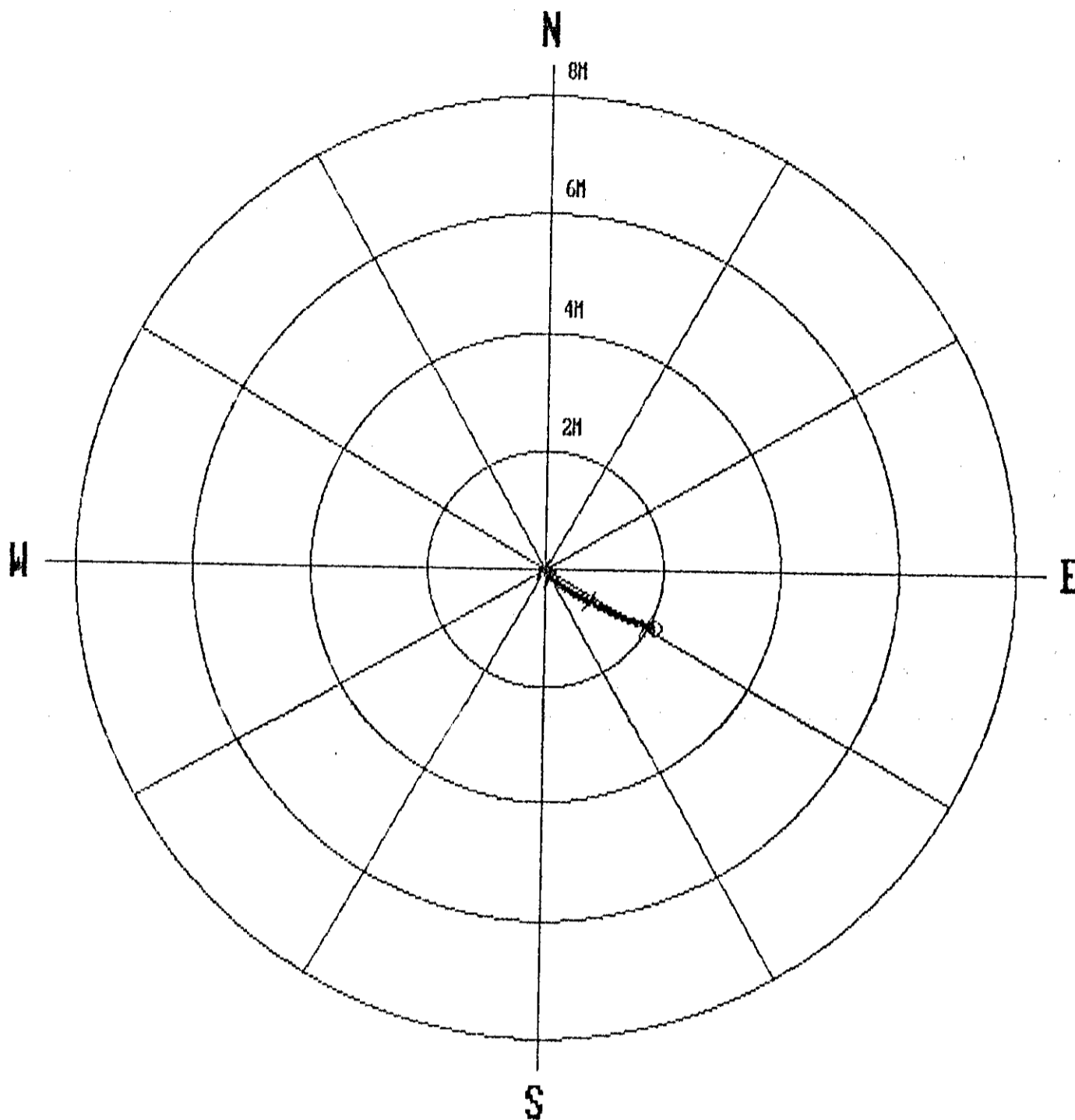
865

# PLAN VIEW COMPU-LOG DEVIATION

CLIENT: FORDING COAL LTD.  
LOCATION: FERNIE  
HOLE ID: LP-407  
DATE OF LOG: 10/07/97  
PROBE: 9055A 247



SCALE: 1 M/CM  
TRUE DEPTH: 82.75 M  
AZIMUTH: 117.1  
DISTANCE: 2.1 M  
+ = 20 M INCR  
O = BOTTOM OF HOLE



## \*\*\*\*\* COMPU-LOG - VERTICAL DEVIATION \*\*\*\*\*

CLIENT : FORDING COAL LTD. HOLE ID. : LP-407  
FIELD OFFICE : CALGARY DATE OF LOG : 10/07/97  
DATA FROM : PROBE : 9055A 247  
MAG. DECL. : 18.000 DEPTH UNITS : METERS LOG 6

CABLE DEPTH	TRUE DEPTH	NORTH DEV.	EAST DEV.	DISTANCE	AZIMUTH	SANG	SANGB
11.5	11.50	0.00	-0.00	0.0	279.5	0.2	279.5
15.0	15.00	0.00	-0.03	0.0	274.0	0.5	289.2
20.0	20.00	0.00	-0.04	0.0	275.7	0.1	308.7
25.0	25.00	0.00	-0.05	0.1	272.4	0.2	279.9
30.0	30.00	-0.01	-0.05	0.0	258.8	0.6	130.1
35.0	35.00	-0.06	-0.01	0.1	185.5	0.2	156.3
40.0	40.00	-0.15	0.09	0.2	149.4	1.5	137.4
45.0	44.99	-0.25	0.23	0.3	136.5	1.9	126.1
50.0	49.99	-0.35	0.40	0.5	131.7	2.3	127.2
55.0	54.99	-0.45	0.56	0.7	128.5	2.4	126.2
60.0	59.98	-0.54	0.76	0.9	125.4	2.4	114.9
65.0	64.98	-0.65	0.99	1.2	123.5	3.3	116.0
70.0	69.97	-0.76	1.24	1.5	121.5	3.2	101.5
75.0	74.96	-0.85	1.48	1.7	119.9	3.3	107.8
80.0	79.95	-0.92	1.72	2.0	118.2	3.1	104.0
82.8	82.75	-0.95	1.86	2.1	117.1	3.3	107.4

865



**Century**  
GEOPHYSICAL CORP.

LP-408

COMPANY : FORDING COAL LTD.  
WELL : LP-408  
LOCATION/FIELD : FERNIE  
COUNTY :  
STATE : BRITISH COLUMBIA  
SECTION :

OTHER SERVICES:

9067  
9030

DATE : 10/11/97  
DEPTH DRILLER : 80  
LOG BOTTOM : 67.35  
LOG TOP : 1.29

PERMANENT DATUM: GL  
ELEV. PERM. DATUM:  
LOG MEASURED FROM: GL  
ORL MEASURED FROM: GL

RANGE:  
ELEVATIONS:  
KB :  
DF :  
GL :

CASING DRILLER: 9  
CASING TYPE : STEEL  
CASING THICKNESS: 80.65

LOGGING UNIT : 9704  
FIELD OFFICE : CALGARY  
RECORDED BY : R. KOWALIK

BIT SIZE : 13.3  
MAGNETIC DECL.: 18  
MATRIX DENSITY: 2.65  
FLUID DENSITY : 1.10  
NEUTRON MATRIX: Sandstone

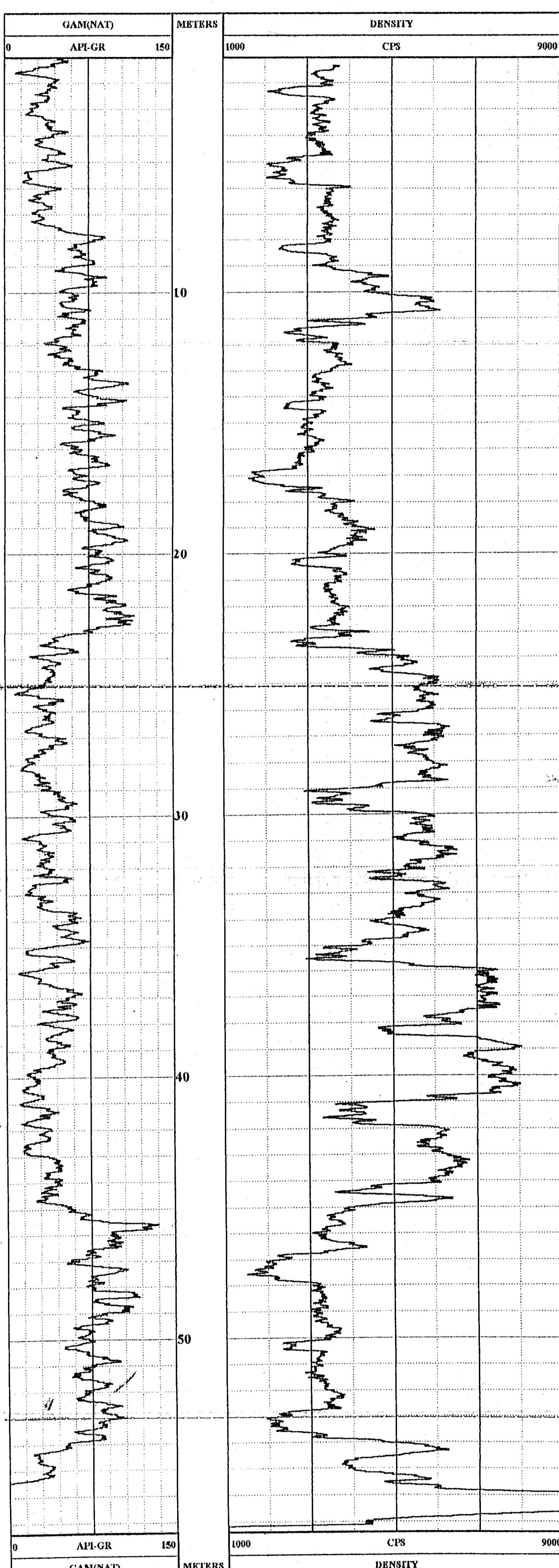
BOREHOLE FLUID : H2O/Air  
RM :  
RM TEMPERATURE :  
MATRIX DELTAT : 177.1632  
FLUID DELTAT :

FILE : ORIGINAL  
TYPE : 0012A  
LOG : 5.  
PLOT :  
THRESH: 120000

REMARKS:

Logged Through Rods, Vertical  
Driller: 9DS

ALL SERVICES PROVIDED SUBJECT TO STANDARD TERMS AND CONDITIONS



865



**Century**  
GEOPHYSICAL CORP.  
LP-408

COMPANY : FORDING COAL LTD.  
WELL : LP-408  
LOCATION/FIELD : FERNIE  
COUNTY :  
STATE : BRITISH COLUMBIA  
SECTION : TOWNSHIP :

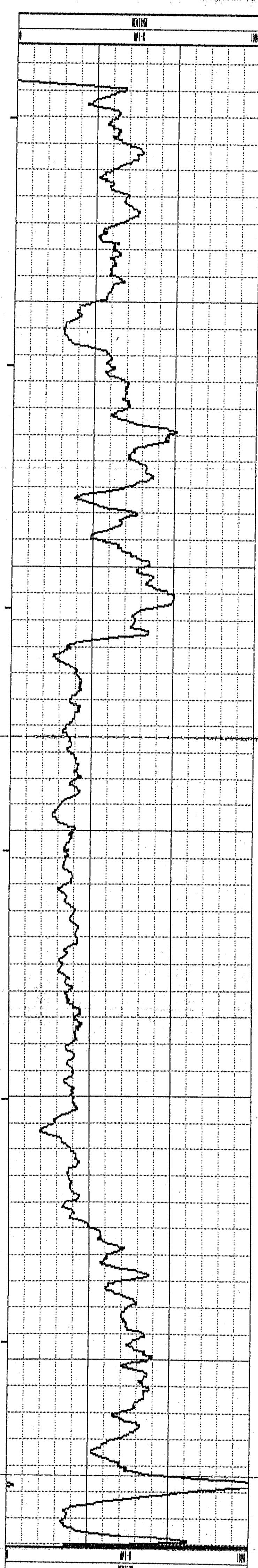
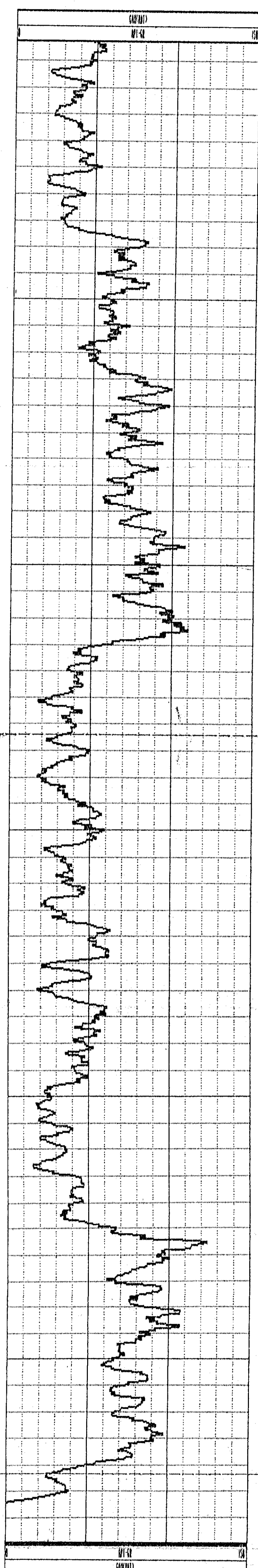
OTHER SERVICES:  
0012  
9030

DATE : 10/11/97 PERMANENT DATUM : GL ELEVATIONS  
DEPTH DRILLER : 60 ELEV. PERM. DATUM: KB :  
LOG BOTTOM : 57.17 LOG MEASURED FROM: GL DF :  
LOG TOP : 0.34 DRL MEASURED FROM: GL GL :  
CASING DRILLER : 9 LOGGING UNIT : 9704  
CASING TYPE : STEEL FIELD OFFICE : CALGARY  
CASING THICKNESS: 0.65 RECORDED BY : R. KOWALIK

BIT SIZE : 13.3 BOREHOLE FLUID : H2O/Air FILE : ORIGINAL  
MAGNETIC DECL. : 18 RM TYPE : 9067A  
MATRIX DENSITY : 2.65 RM TEMPERATURE : LOG : 4  
FLUID DENSITY : 1.10 MATRIX DELTA T : 177.1632 PLOT : LODGE 4  
NEUTRON MATRIX : Sandstone FLUID DELTA T : THRESH: 20000  
REMARKS :

Logged Through Rods, Vertical  
Driller: SDS

ALL SERVICES PROVIDED SUBJECT TO STANDARD TERMS AND CONDITIONS

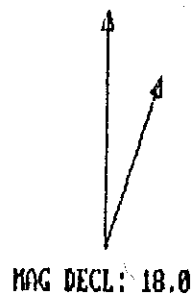


LP-408 10/11/97 523

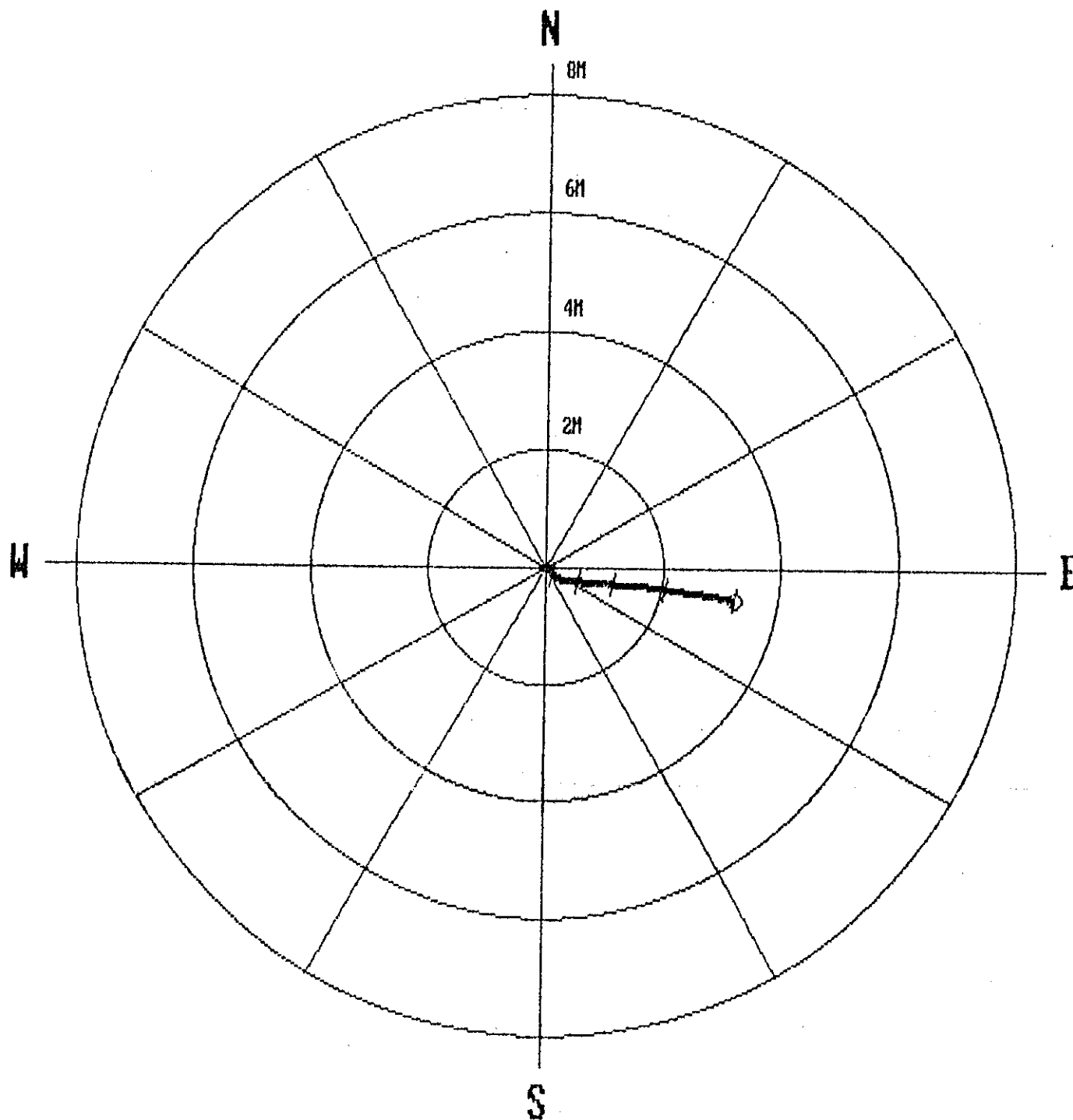
865

# PLAN VIEW COMPU-LOG DEVIATION

CLIENT: FORDING COAL LTD.  
LOCATION: FERNIE  
HOLE ID: LP-410  
DATE OF LOG: 10/04/97  
PROBE: 9055A 247



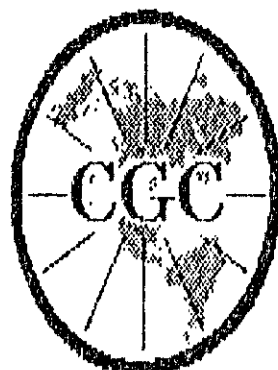
SCALE: 1 M/CM  
TRUE DEPTH: 99.92 M  
AZIMUTH: 99.5  
DISTANCE: 3.3 M  
+ = 20 M INCR  
O = BOTTOM OF HOLE



## \*\*\*\*\* COMPU-LOG - VERTICAL DEVIATION \*\*\*\*\*

CLIENT : FORDING COAL LTD. HOLE ID. : LP-410  
FIELD OFFICE : CALGARY DATE OF LOG : 10/04/97  
DATA FROM : PROBE : 9055A , 247  
MAG. DECL. : 18.000 DEPTH UNITS : METERS LOG 8

CABLE DEPTH	TRUE DEPTH	NORTH DEV.	EAST DEV.	DISTANCE	AZIMUTH	SANG	SANGB
11.3	11.30	-0.00	0.00	0.0	123.7	1.0	123.7
15.0	15.00	-0.06	0.05	0.1	140.3	0.9	141.3
20.0	20.00	-0.12	0.11	0.2	136.4	1.1	113.7
25.0	25.00	-0.18	0.23	0.3	128.8	1.7	131.1
30.0	29.99	-0.21	0.33	0.4	122.5	1.7	133.9
35.0	34.99	-0.22	0.45	0.5	116.0	2.0	92.8
40.0	39.99	-0.23	0.57	0.6	111.6	1.0	105.4
45.0	44.99	-0.25	0.70	0.7	109.5	1.8	111.4
50.0	49.99	-0.26	0.85	0.9	106.9	1.5	93.6
55.0	54.98	-0.27	0.99	1.0	105.0	1.4	95.9
60.0	59.98	-0.28	1.16	1.2	103.5	2.0	91.9
65.0	64.98	-0.29	1.36	1.4	102.1	2.5	92.5
70.0	69.97	-0.30	1.57	1.6	100.9	2.5	81.1
75.0	74.97	-0.33	1.80	1.8	100.3	3.0	98.8
80.0	79.96	-0.36	2.05	2.1	100.0	2.7	82.9
85.0	84.95	-0.40	2.32	2.4	99.7	3.8	97.5
90.0	89.94	-0.43	2.61	2.6	99.3	3.3	86.3
95.0	94.93	-0.48	2.91	2.9	99.4	3.6	84.6
100.0	99.92	-0.54	3.22	3.3	99.5	3.5	98.1
100.0	99.92	-0.54	3.22	3.3	99.5	3.5	98.1



# Century

## GEOPHYSICAL CORP.

### LP-410

COMPANY : FORDING COAL LTD.  
WELL : LP-410  
LOCATION/FIELD : FERNIE  
COUNTY :  
STATE : BRITISH COLUMBIA  
SECTION : TOWNSHIP

OTHER SERVICES:  
9030

RANGE :

DATE : 10/04/97 PERMANENT DATUM : GL ELEVATIONS  
DEPTH DRILLER : 102 ELEV. PERM. DATUM: KB :  
LOG BOTTOM : 99.48 LOG MEASURED FROM: GL DF :  
LOG TOP : 0.44 DRL MEASURED FROM: GL GL :

CASING DRILLER : 3 LOGGING UNIT : 9704  
CASING TYPE : STEEL FIELD OFFICE : CALGARY  
CASING THICKNESS: 0.65 RECORDED BY : R. KOWALIK

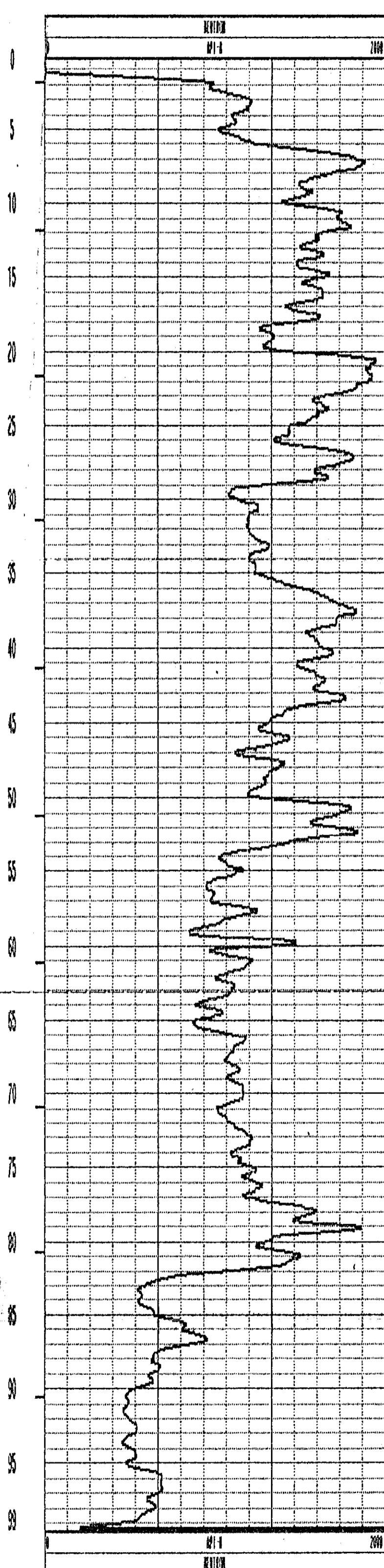
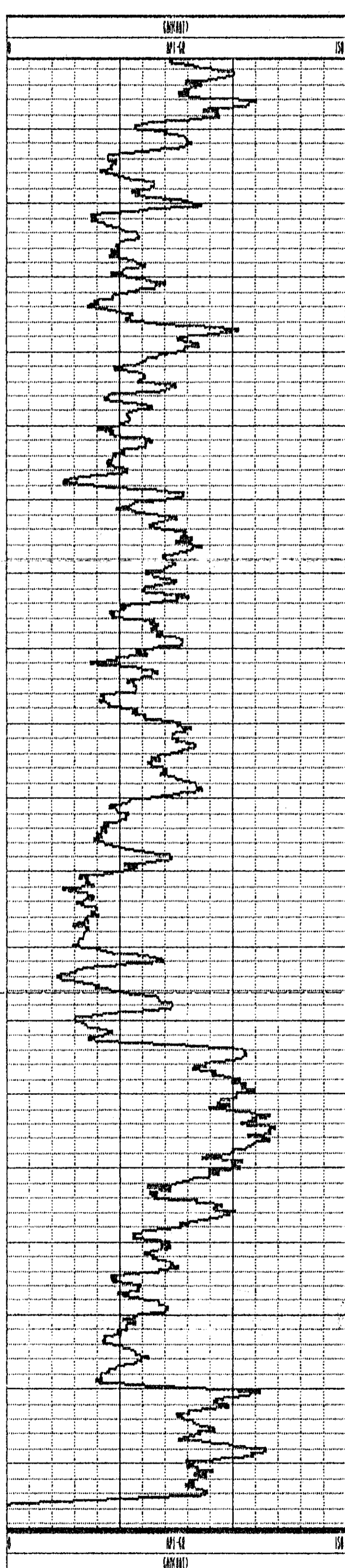
BIT SIZE : 13.3 BOREHOLE FLUID : H2O/Air FILE : ORIGINAL  
MAGNETIC DECL. : 18 RM : TYPE : 9067A  
MATRIX DENSITY : 2.65 RM TEMPERATURE : LOG : 4  
FLUID DENSITY : 1.10 MATRIX DELTA T : 177.1632 PLOT : X 0  
NEUTRON MATRIX : Sandstone FLUID DELTA T : THRESH: 20000

REMARKS :

Logged Through Rods

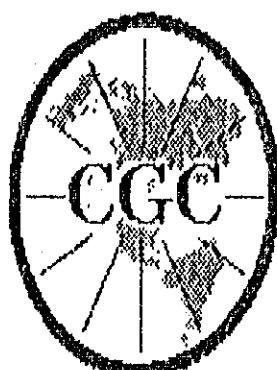
Driller: SDS

ALL SERVICES PROVIDED SUBJECT TO STANDARD TERMS AND CONDITIONS



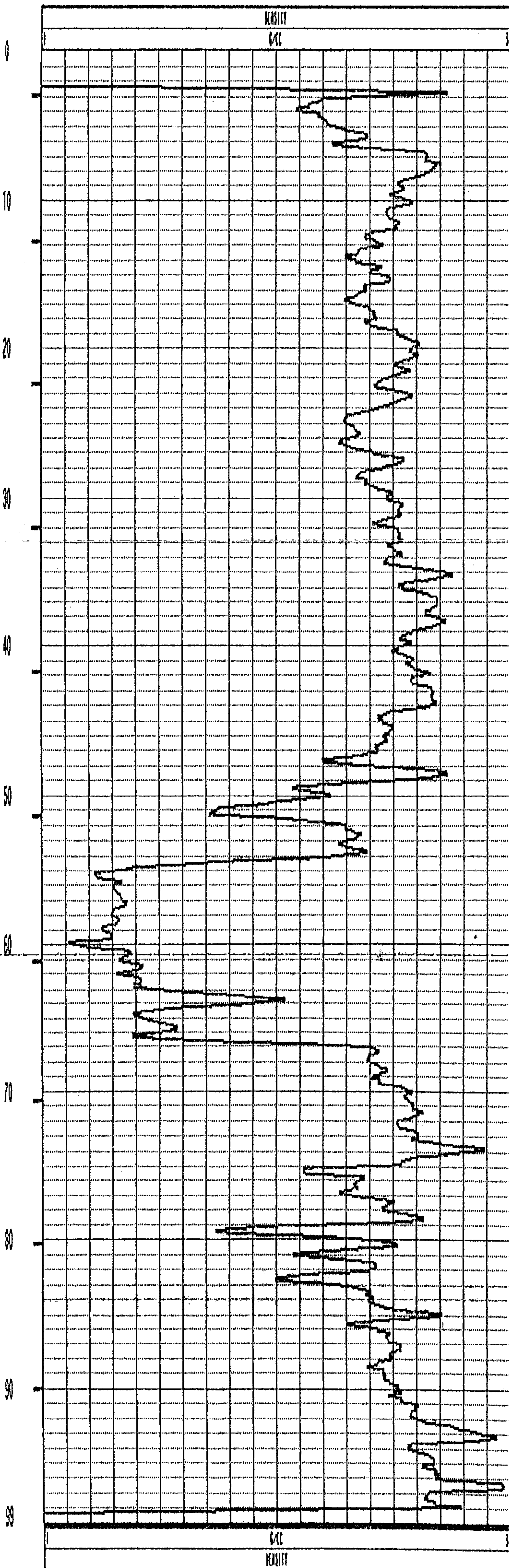
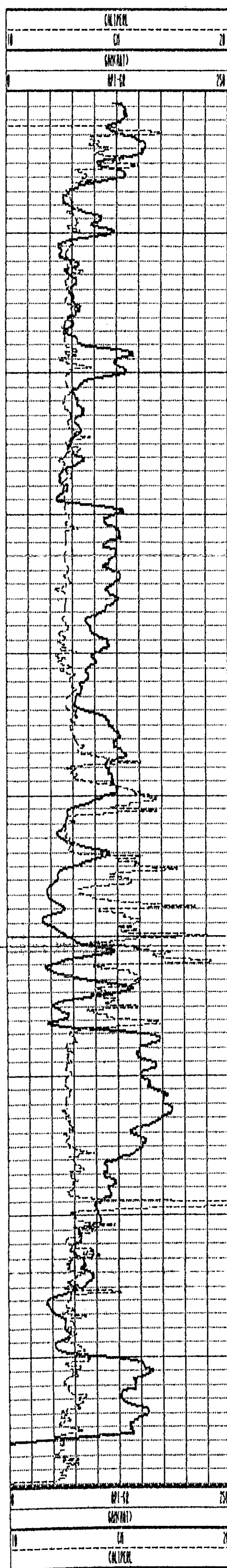
LP-410 10/04/97 523

865

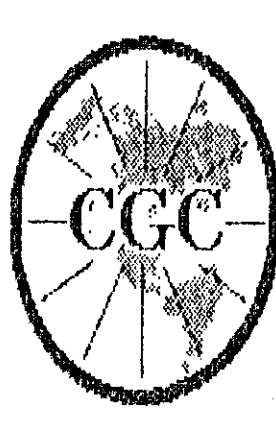


**Century**  
**GEOPHYSICAL CORP.**  
**LP-410**

COMPANY	: FORDING COAL LTD.	OTHER SERVICES:	
WELL	: LP-410	9055	
LOCATION/FIELD	: FERNIE	9067	
COUNTY	:	0012	
STATE	: BRITISH COLUMBIA		
SECTION	: TOWNSHIP	RANGE	:
DATE	: 10/04/97	PERMANENT DATUM	: GL ELEVATIONS
DEPTH DRILLER	: 102	ELEV. PERM. DATUM:	KB :
LOG BOTTOM	: 99.20	LOG MEASURED FROM:	GL DF :
LOG TOP	: 0.00	DRL MEASURED FROM:	GL GL :
CASING DRILLER	: 3	LOGGING UNIT	: 9704
CASING TYPE	: STEEL	FIELD OFFICE	: CALGARY
CASING THICKNESS:	0.65	RECORDED BY	: R. KOWALIK
BIT SIZE	: 13.3	BOREHOLE FLUID	: H2O/Air FILE : ORIGINAL
MAGNETIC DECL.	: 18	RM	: TYPE : 9030AA
MATRIX DENSITY	: 2.65	RM TEMPERATURE	: LOG : 7
FLUID DENSITY	: 1.10	MATRIX DELTA T	: 177.1632 PLOT : X 1
NEUTRON MATRIX	: Sandstone	FLUID DELTA T	: THRESH: 20000
REMARKS	:		
Open Hole			
Driller: SDS			
ALL SERVICES PROVIDED SUBJECT TO STANDARD TERMS AND CONDITIONS			



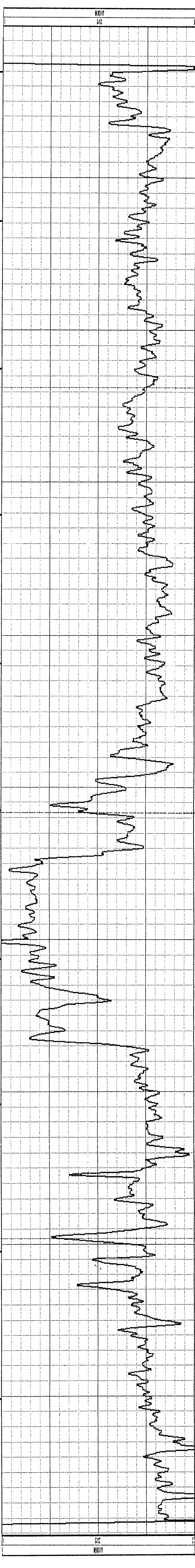
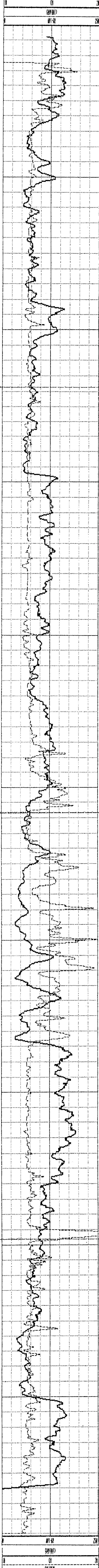
265

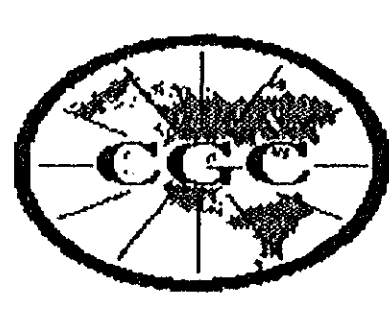


Century  
GEOPHYSICAL CORP.  
LP-410

COMPANY	: FORDING COAL LTD.	OTHER SERVICES:	
WELL	: LP-410	9055	
LOCATION/FIELD	: FERNIE	9067	
COUNTY	:	0012	
STATE	: BRITISH COLUMBIA		
SECTION	:	TOWNSHIP	: RANGE :
DATE	: 10/04/97	PERMANENT DATUM	: GL ELEVATIONS
DEPTH DRILLER	: 102	ELEV. PERM. DATUM:	KB :
LOG BOTTOM	: 99.20	LOG MEASURED FROM:	GL DF :
LOG TOP	: 0.00	DRL MEASURED FROM:	GL GL :
CASING DRILLER	: 3	LOGGING UNIT	: 9704
CASING TYPE	: STEEL	FIELD OFFICE	: CALGARY
CASING THICKNESS:	0.65	RECORDED BY	: R. KOWALIK
BIT SIZE	: 13.3	BOREHOLE FLUID	: H2O/Air FILE : ORIGINAL
MAGNETIC DECL.	: 18	RM	: TYPE : 9030AA
MATRIX DENSITY	: 2.65	RM TEMPERATURE	: LOG : 7
FLUID DENSITY	: 1.10	MATRIX DELTA T	: 177.1632 PLOT : LODGE 3
NEUTRON MATRIX	: Sandstone	FLUID DELTA T	: THRESH: 20000
REMARKS	:		
Open Hole			
Driller: SDS			

ALL SERVICES PROVIDED SUBJECT TO STANDARD TERMS AND CONDITIONS





# Century GEOPHYSICAL CORP.

LP-410

COMPANY : FORDING COAL LTD.  
WELL : LP-410  
LOCATION/FIELD: FERNIE  
COUNTY :  
STATE : BRITISH COLUMBIA  
SECTION :

OTHER SERVICES:  
9030  
9067  
9066

TOWNSHIP :

RANGE:

DATE : 10/04/97  
DEPTH DRILLER : 102  
LOG BOTTOM : 99.70  
LOG TOP : 1.33

PERMANENT DATUM: GL  
ELEV. PERM. DATUM:  
LOG MEASURED FROM: GL  
DRL MEASURED FROM: GL

ELEVATIONS:  
KB :  
DF :  
GL :

CASING DRILLER: 3  
CASING TYPE : STEEL  
CASING THICKNESS: 50.65

LOGGING UNIT : 9704  
FIELD OFFICE : CALGARY  
RECORDED BY : R. KOWALIK

BIT SIZE : 13.3  
MAGNETIC DECL: 18  
MATRIX DENSITY: 2.65  
FLUID DENSITY : 1.10  
NEUTRON MATRIX: Sandstone

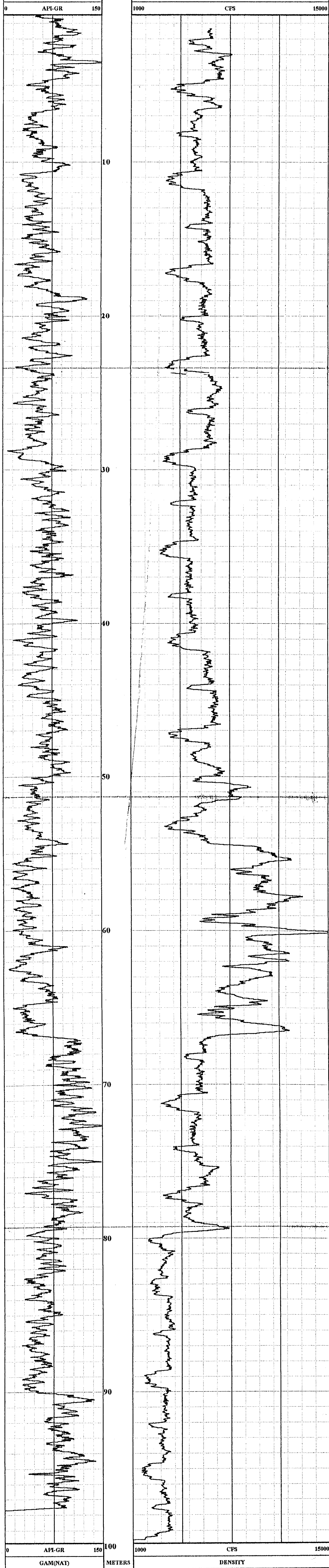
BOREHOLE FLUID : H2O/Air  
RM :  
RM TEMPERATURE :  
MATRIX DELTA T : 177.1632  
FLUID DELTA T :

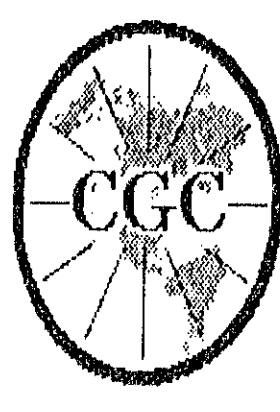
FILE : ORIGINAL  
TYPE : 0012A  
LOG : 5.  
PLOT :  
THRES: 120000

## REMARKS:

Logged Through Rods  
Driller: SDB

ALL SERVICES PROVIDED SUBJECT TO STANDARD TERMS AND CONDITIONS





# Century GEOPHYSICAL CORP.

LP-410

COMPANY : FORDING COAL LTD.  
WELL : LP-410  
LOCATION/FIELD : FERNIE  
COUNTY :  
STATE : BRITISH COLUMBIA  
SECTION : TOWNSHIP :

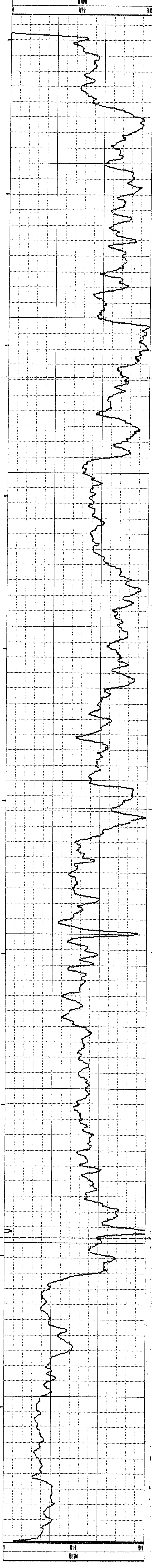
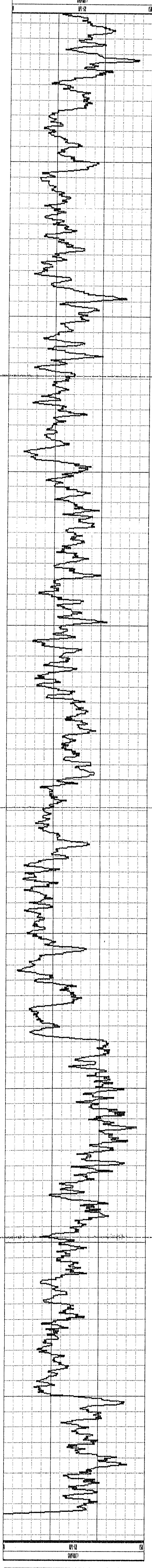
OTHER SERVICES:  
9030  
9055  
0012

DATE : 10/04/97 PERMANENT DATUM : GL ELEVATIONS  
DEPTH DRILLER : 102 ELEV. PERM. DATUM: KB :  
LOG BOTTOM : 99.48 LOG MEASURED FROM: GL DF :  
LOG TOP : 0.44 DRL MEASURED FROM: GL GL :  
CASING DRILLER : 3 LOGGING UNIT : 9704  
CASING TYPE : STEEL FIELD OFFICE : CALGARY  
CASING THICKNESS: 0.65 RECORDED BY : R. KOWALIK

BIT SIZE : 13.3 BOREHOLE FLUID : H2O/Air FILE : ORIGINAL  
MAGNETIC DECL. : 18 RM TYPE : 9067A  
MATRIX DENSITY : 2.65 RM TEMPERATURE : LOG : 4  
FLUID DENSITY : 1.10 MATRIX DELTA T : 177.1632 PLOT : LODGE 1  
NEUTRON MATRIX : Sandstone FLUID DELTA T : THRESH: 20000

REMARKS :  
Logged Through Rods  
Driller: SDS

ALL SERVICES PROVIDED SUBJECT TO STANDARD TERMS AND CONDITIONS

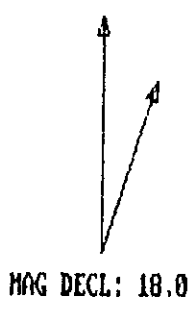


LP-410 10/04/97 523

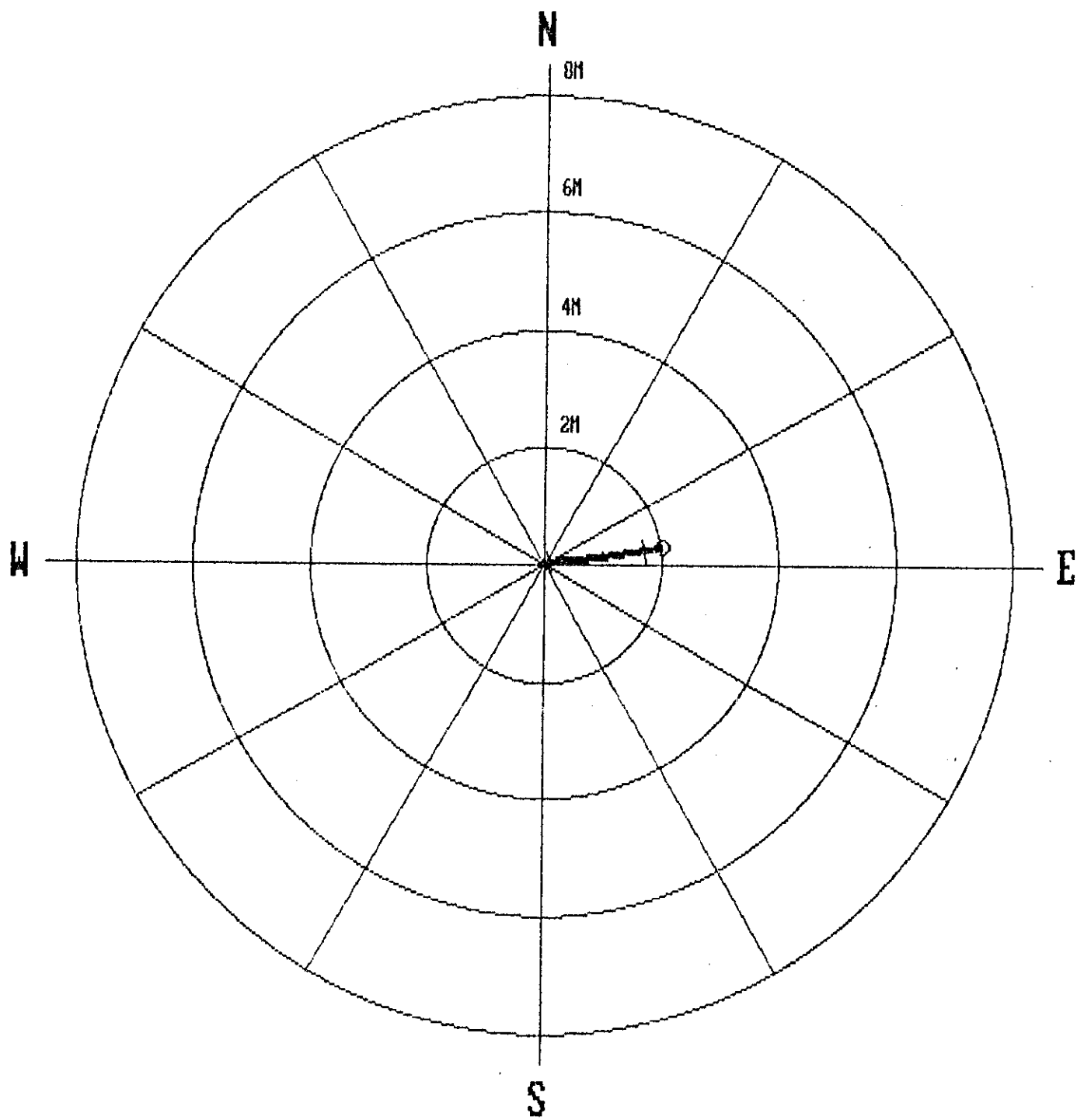
865

PLAN VIEW  
COMPU-LOG DEVIATION

CLIENT: FORDING COAL LTD.  
LOCATION: FERNIE  
HOLE ID: LP-412  
DATE OF LOG: 10/05/97  
PROBE: 9055A 247



SCALE: 1 M/CM  
TRUE DEPTH: 105.15 M  
AZIMUTH: 81.8  
DISTANCE: 2.0 M  
+ = 50 M INCR  
O = BOTTOM OF HOLE

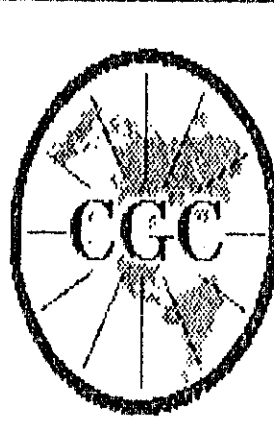


\*\*\*\*\* COMPU-LOG - VERTICAL DEVIATION \*\*\*\*\*

CLIENT : FORDING COAL LTD. HOLE ID. : LP-412  
FIELD OFFICE : CALGARY DATE OF LOG : 10/05/97  
DATA FROM : PROBE : 9055A 247  
MAG. DECL. : 18.000 DEPTH UNITS : METERS LOG 0

CABLE DEPTH	TRUE DEPTH	NORTH DEV.	EAST DEV.	DISTANCE	AZIMUTH	SANG	SANGB
12.1	12.10	-0.00	0.00	0.0	140.4	0.6	140.4
15.0	15.00	-0.01	0.01	0.0	142.8	0.3	66.4
20.0	20.00	-0.04	0.02	0.0	151.1	0.6	182.5
25.0	25.00	-0.01	-0.00	0.0	186.3	0.5	7.7
30.0	30.00	-0.00	0.01	0.0	92.3	0.7	21.1
35.0	35.00	0.01	0.02	0.0	70.9	0.4	223.8
40.0	40.00	0.00	0.02	0.0	80.5	0.4	88.4
45.0	45.00	0.01	0.05	0.0	79.6	0.6	77.9
50.0	50.00	0.03	0.08	0.1	69.3	0.5	17.9
55.0	55.00	0.05	0.13	0.1	68.8	0.7	75.3
60.0	60.00	0.06	0.19	0.2	71.6	0.8	80.9
65.0	65.00	0.08	0.28	0.3	74.5	1.1	77.0
70.0	69.99	0.08	0.39	0.4	78.2	1.5	87.5
75.0	74.99	0.09	0.55	0.6	80.7	2.1	83.9
80.0	79.99	0.10	0.73	0.7	81.9	1.4	62.5
85.0	84.98	0.12	0.93	0.9	82.6	2.5	75.4
90.0	89.98	0.16	1.17	1.2	82.0	2.8	86.2
95.0	94.97	0.20	1.43	1.4	81.9	3.4	81.6
100.0	99.96	0.24	1.71	1.7	81.9	3.0	74.5
105.0	104.95	0.29	2.00	2.0	81.8	3.6	78.0
105.2	105.15	0.29	2.01	2.0	81.8	3.3	78.3

865



**Century**  
**GEOPHYSICAL CORP.**  
**LP-412**

COMPANY : FORDING COAL LTD.  
WELL : LP-412  
LOCATION/FIELD : FERNIE  
COUNTY :  
STATE : BRITISH COLUMBIA  
SECTION : TOWNSHIP : RANGE :

OTHER SERVICES:  
9067  
9055

DATE : 10/05/97  
DEPTH DRILLER : 108  
LOG BOTTOM : 105.37  
LOG TOP : 0.82

PERMANENT DATUM : GL  
ELEV. PERM. DATUM : KB  
LOG MEASURED FROM: GL  
DRL MEASURED FROM: GL

CASING DRILLER : 6  
CASING TYPE : STEEL  
CASING THICKNESS: 0.65

LOGGING UNIT : 9704  
FIELD OFFICE : CALGARY  
RECORDED BY : R. KOWALIK

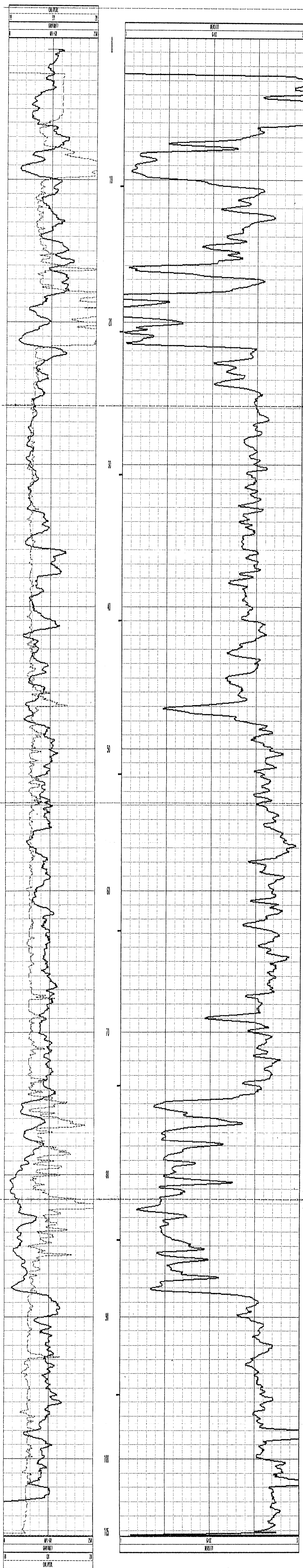
BIT SIZE : 13.3  
MAGNETIC DECL. : 18  
MATRIX DENSITY : 2.65  
FLUID DENSITY : 1.10  
NEUTRON MATRIX : Sandstone

BOREHOLE FLUID : H2O/Air  
RM :  
RM TEMPERATURE :  
MATRIX DELTA T : 177.1632  
FLUID DELTA T :

FILE : ORIGINAL  
TYPE : 9030AA  
LOG : 0  
PLOT : LODGE 3  
THRESH: 20000

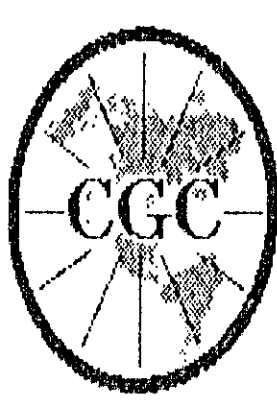
REMARKS :  
Open Hole, Vertical  
Driller: SDS

ALL SERVICES PROVIDED SUBJECT TO STANDARD TERMS AND CONDITIONS



LP-412 10/05/97 412

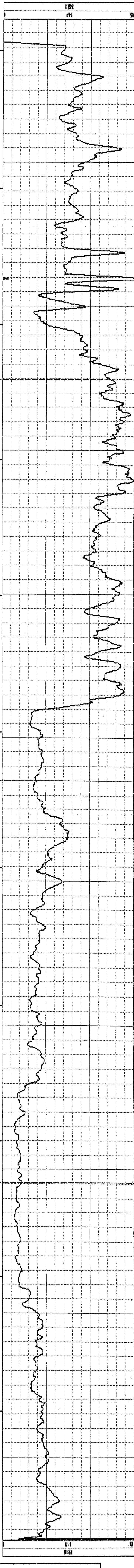
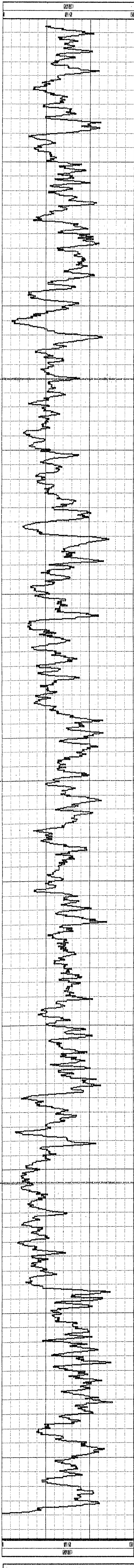
598

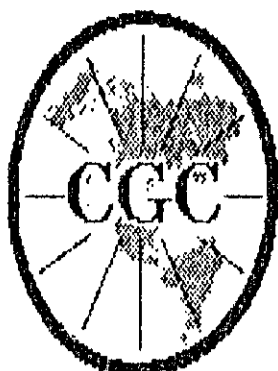


**Century**  
**GEOPHYSICAL CORP.**  
**LP-412**

COMPANY	: FORDING COAL LTD.	OTHER SERVICES:	
WELL	: LP-412	9035	
LOCATION/FIELD	: FERNIE	9030	
COUNTY	:	0012	
STATE	: BRITISH COLUMBIA		
SECTION	:	TOWNSHIP	: RANGE :
DATE	: 10/05/97	PERMANENT DATUM	: GL ELEVATIONS
DEPTH DRILLER	: 100	ELEV. PERM. DATUM:	KB :
LOG BOTTOM	: 105.71	LOG MEASURED FROM:	GL DF :
LOG TOP	: 0.54	DRL MEASURED FROM:	GL GL :
CASING DRILLER	: 6	LOGGING UNIT	: 9704
CASING TYPE	: STEEL	FIELD OFFICE	: CALGARY
CASING THICKNESS:	0.65	RECORDED BY	: R. KOWALIK
BIT SIZE	: 13.3	BOREHOLE FLUID	: H2O/Air FILE : ORIGINAL
MAGNETIC DECL.	: 18	RM	: TYPE : 9067A
MATRIX DENSITY	: 2.65	RM TEMPERATURE	: LOG : 9
FLUID DENSITY	: 1.10	MATRIX DELTA T	: 177.1632 PLOT : LODGE 1
NEUTRON MATRIX	: Sandstone	FLUID DELTA T	: THRESH: 20000
REMARKS	:		
Logged Through Rods, Vertical			
Driller: SDS			

ALL SERVICES PROVIDED SUBJECT TO STANDARD TERMS AND CONDITIONS





Century  
GEOPHYSICAL CORP.  
LP-413

865

COMPANY : FORDING COAL LTD.  
WELL : LP-413  
LOCATION/FIELD : FERNIE  
COUNTY :  
STATE : BRITISH COLUMBIA  
SECTION : TOWNSHIP : RANGE :

OTHER SERVICES:  
9067  
0012

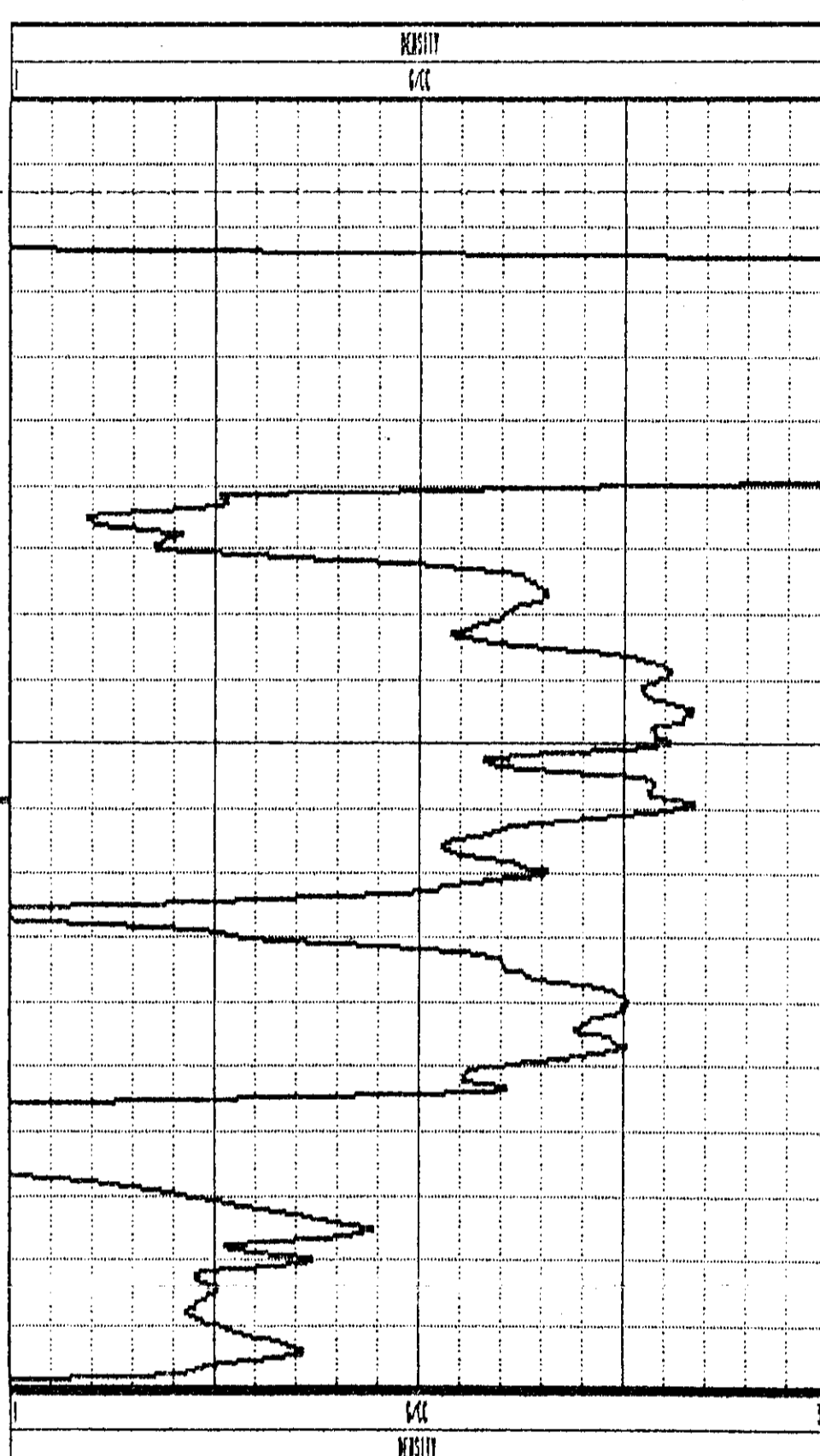
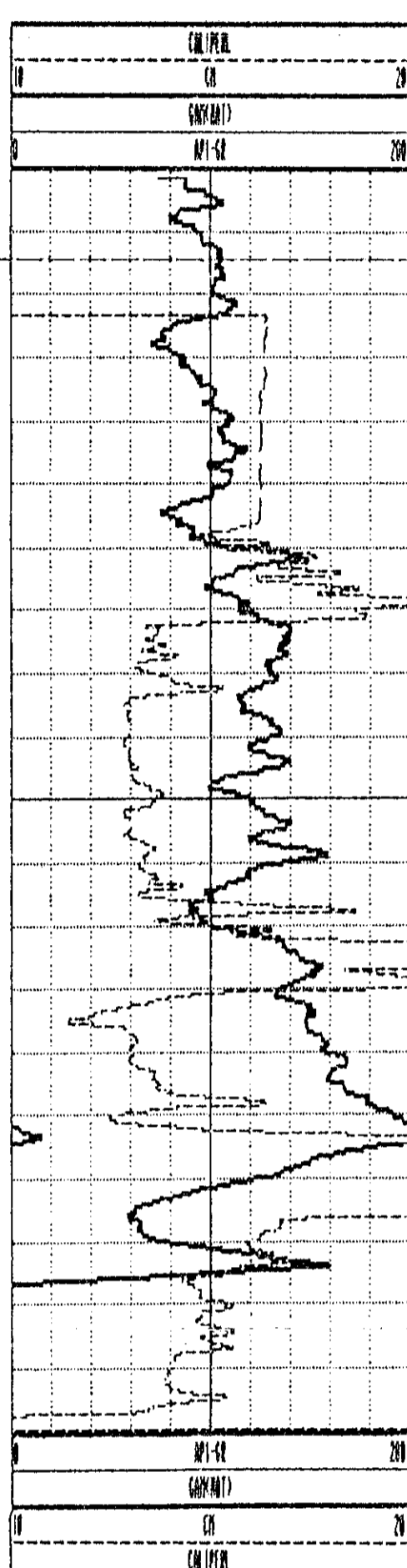
DATE : 10/08/97 PERMANENT DATUM : GL ELEVATIONS  
DEPTH DRILLER : 108 ELEV. PERM. DATUM: KB :  
LOG BOTTOM : 20.02 LOG MEASURED FROM: GL DF :  
LOG TOP : 0.20 DRL MEASURED FROM: GL GL :

CASING DRILLER : 6 LOGGING UNIT : 9704  
CASING TYPE : STEEL FIELD OFFICE : CALGARY  
CASING THICKNESS: 0.65 RECORDED BY : R. KOWALIK

BIT SIZE : 13.3 BOREHOLE FLUID : H2O/Air FILE : ORIGINAL  
MAGNETIC DECL. : 18 RM : TYPE : 9030AA  
MATRIX DENSITY : 2.65 RM TEMPERATURE : LOG : 8  
FLUID DENSITY : 1.10 MATRIX DELTA T : 177.1632 PLOT : LODGE 3  
NEUTRON MATRIX : Sandstone FLUID DELTA T : THRESH: 20000

REMARKS :  
Open Hole, Vertical  
Driller: SDS

ALL SERVICES PROVIDED SUBJECT TO STANDARD TERMS AND CONDITIONS



LP-413 10/08/97 412



Century  
GEOPHYSICAL CORP.

LP-413

COMPANY : FORDING COAL LTD.  
WELL : LP-413  
LOCATION/FIELD : FERNIE  
COUNTY :  
STATE : BRITISH COLUMBIA  
SECTION :

OTHER SERVICES:  
9067  
9030

DATE : 10/06/97  
DEPTH DRILLER : 108  
LOG BOTTOM : 107.34  
LOG TOP : 1.51

TOWNSHIP :

RANGE:

CASING DRILLER: 6  
CASING TYPE : STEEL  
CASING THICKNESS: 30.85

PERMANENT DATUM: GL  
ELEV. PERM. DATUM:  
LOG MEASURED FROM: GL  
DRL MEASURED FROM: GL  
LOGGING UNIT : 9704  
FIELD OFFICE : CALGARY  
RECORDED BY : R. KOWALIK

ELEVATIONS:  
KB :  
DF :  
GL :

BIT SIZE : 13.3  
MAGNETIC DECL: 18  
MATRIX DENSITY: 2.65  
FLUID DENSITY: 1.10  
NEUTRON MATRIX: Sandstone

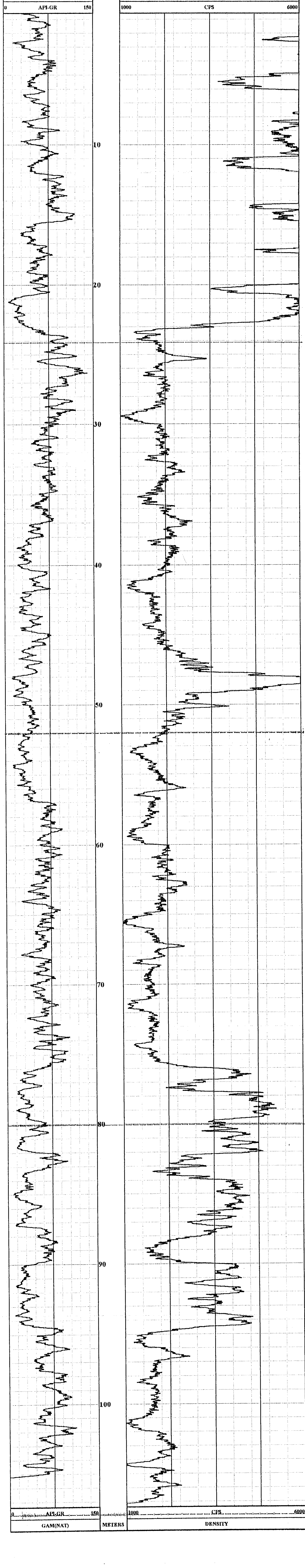
BORHOLE FLUID : H2O/Air  
RM :  
RM TEMPERATURE :  
MATRIX DELTA T : 177.1632  
FLUID DELTA T :

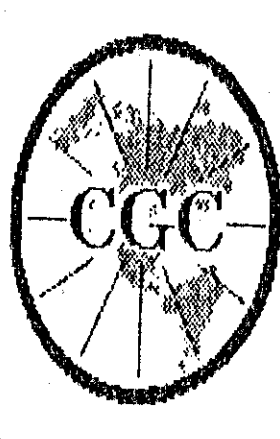
FILE : ORIGINAL  
TYPE : 0012A  
LOG : 7.  
PLOT :  
THRESH: 20000

REMARKS:

Logged Through Rods, Vertical  
Driller: SDS

ALL SERVICES PROVIDED SUBJECT TO STANDARD TERMS AND CONDITIONS





Century  
GEOPHYSICAL CORP.  
LP-413

865

COMPANY : FORDING COAL LTD.  
WELL : LP-413  
LOCATION/FIELD : FERNIE  
COUNTY :  
STATE : BRITISH COLUMBIA  
SECTION : TOWNSHIP :

OTHER SERVICES:  
0012  
9030

RANGE :

DATE : 10/08/97  
DEPTH DRILLER : 108  
LOG BOTTOM : 106.94  
LOG TOP : 0.56

PERMANENT DATUM : GL  
ELEV. PERM. DATUM :  
LOG MEASURED FROM: GL  
DRL MEASURED FROM: GL

ELEVATIONS  
KB :  
DF :  
GL :

CASING DRILLER : 6  
CASING TYPE : STEEL  
CASING THICKNESS: 0.65

LOGGING UNIT : 9704  
FIELD OFFICE : CALGARY  
RECORDED BY : R. KOWALIK

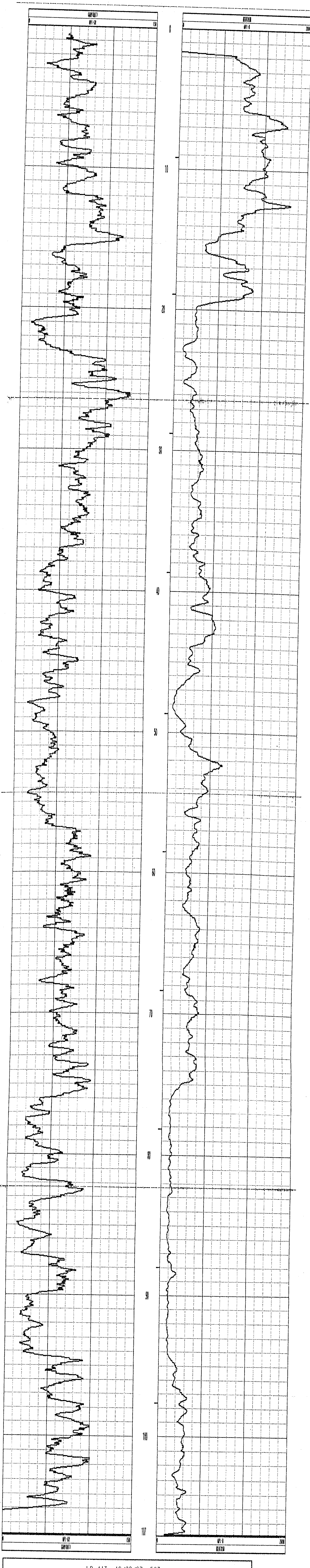
BIT SIZE : 13.3  
MAGNETIC DECL. : 18  
MATRIX DENSITY : 2.65  
FLUID DENSITY : 1.10  
NEUTRON MATRIX : Sandstone

BOREHOLE FLUID : H2O/Air  
RM :  
RM TEMPERATURE :  
MATRIX DELTA T : 177.1632  
FLUID DELTA T :

FILE : ORIGINAL  
TYPE : 9067A  
LOG : 6  
PLOT : LODGE 1  
THRESH: 20000

REMARKS :  
Logged Through Rods, Vertical  
Driller: SDS

ALL SERVICES PROVIDED SUBJECT TO STANDARD TERMS AND CONDITIONS



LP-413 10/08/97 523