

SECTOR BOND TOOL

NEBCOPY

PROVINCE N.W.T. FIELD CAMERON WELL PARA et al CAMERON A-05 300A056010117302 COMPANY PARAMOUNT RESOURCES LTD		COMPANY PARAMOUNT RESOURCES LTD	
WELL PARA et al CAMERON A-05 300A056010117302		PROVINCE N.W.T.	
FIELD CAMERON		Other Services:	
LSD Sec. Twp. Rge. Perm. Datum Ground Level Elev. 775.10 Log measured from K.B. , 3.80 m above Permanent Datum.		GR-CCL TCP	
UMI 300A056010117302 Licence 376		ELEV. K.B. 778.90 G.L. 775.10	
Date FEBRUARY 20 2007		Shot Density	
Service Order 10155012		No. of Shots	
Run No. ONE		Perf. Interval	
BHT 0 °C		From To	
Depth-Driller 1673			
Depth-Logger 1512.9			
Btm. Log Inter. 1512.9			
Top Log Inter. 1200			
Fluid in Hole WATER		Gun Type	
Fluid Level 678		Gun Size	
Bit Size (mm) 0.0		Tubing/Casing Record	
Unit # 14215		Size mm Wt. Kg/m From To	
Location HIGH LEVEL		219 35.70 SURFACE 253	
Recorded By D. BOIRE		139.4 23.08 SURFACE 1515	
Witnessed By K. McLEOD			
Other Services			
Service		Type	
Bridge Plug		Size	
Product. Packer		Depth	
Cement Retainer			
Cement			
Tubing Bottom		Junk Basket Type	
Seating Nipple		Gauge Ring Size	

All interpretations of log data are opinions based on inferences from electrical or other measurements. We do not guarantee the accuracy or correctness of any interpretation or recommendation and we shall not be liable or responsible for any loss, cost, damages or expenses incurred or sustained by anyone resulting from any interpretation or recommendation made by any of our employees or agents.

REMARKS Rig: CONCORD #19 Service Order # 10155012
CORRELATED TO FAX COPY OF McCULLOUGH GAMMA RAY NEUTRON LOG
DATED MARCH 18 1968

TICKET # 10155012

EQUIPMENT DATA

Run No.	Tool Type	Tool No.	Other
ONE	SBT	A250	SECTOR
	GRB	A183	GAMMA RAY
	CTB	A183	CCL TELEMETRY

FILE HISTORY

FILE NAME	DATE START	TIME START STOP	DEPTH START STOP	DEPTH SHIFT	TYPE	DIR	SOURCE	PASS IDENTIFIER
MAINON1	02/20/07	17:05 17:06	4964.2 3914.7	0.0	RAW	UP	CS400	MAIN PASS
SECMN1	02/20/07	12:29 12:29	4961.2 3911.7	0.0	RAW	UP	CS400	MAIN PASS
SECMN	02/20/07	11:56 12:23	4961.2 3911.7	0.0	RAW	UP	CS400	MAIN PASS

DEPTH SCALE: 5":100'

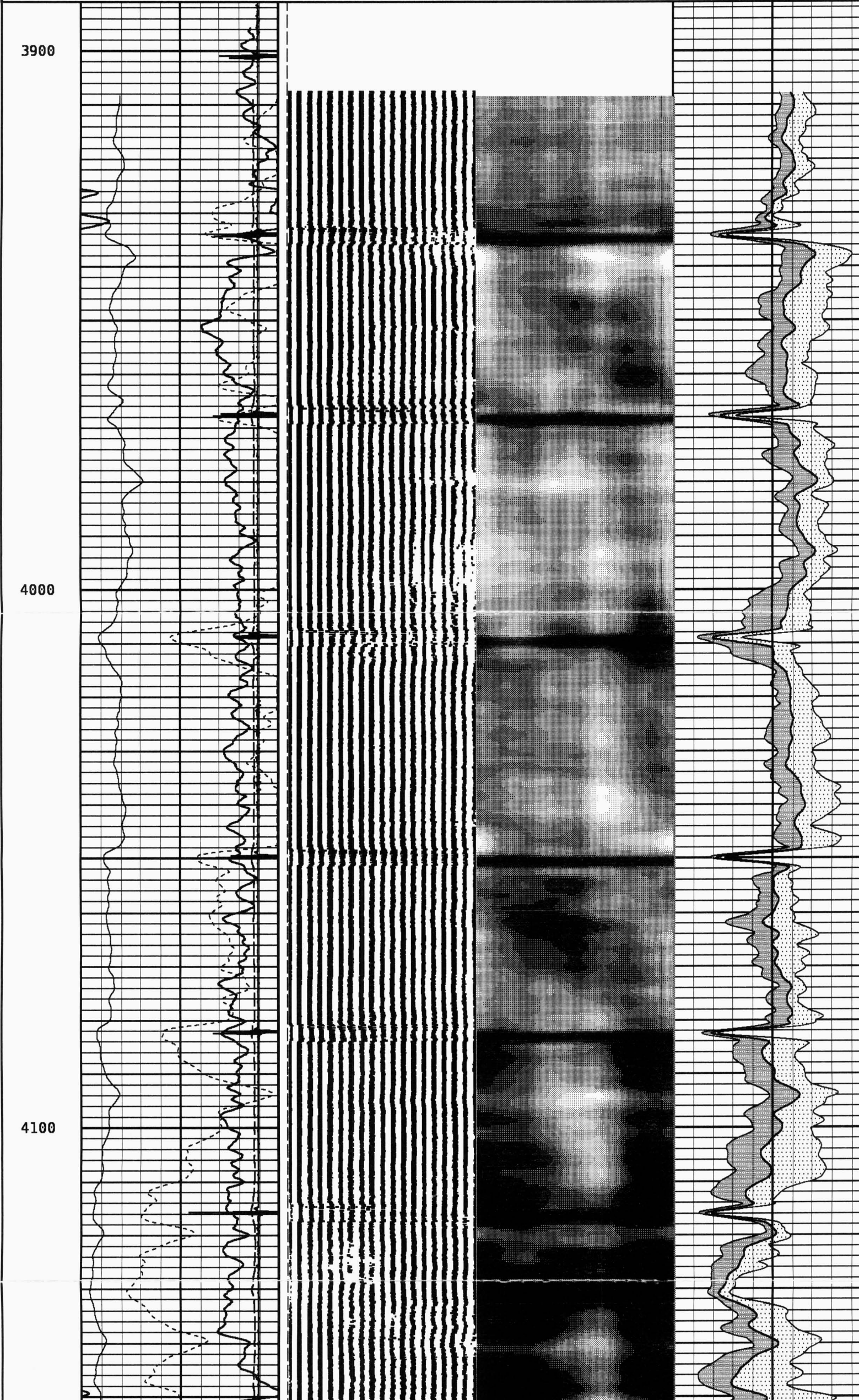
VERSION: 7020984 R"

MAIN PASS

10155012 MAINON1

FINISH DEPTH: 3914.7 Feet DIRECTION: UP DATE: 02/20/2007 TIME: 17:06 MODE: RECOMPUTE
RECOMPUTED DATE: 02/20/2007 TIME: 17:06

3' AMP. x5 0 Millivolts 20	COLLAR LOCATOR -5000 Millivolts 550	GAMMA RAY 0 API 120	3' TRAVEL TIME 600 Microseconds 200	FREE PIPE TT 200 Microseconds 1200	MAX ENERGY 0 Millivolts 100
3' AMPLITUDE 0 Millivolts 100	VARIABLE DENSITY 200 Microseconds 1200	VARIABLE ENERGY 0 Millivolts 80	MIN ENERGY 0 Millivolts 100		



4200

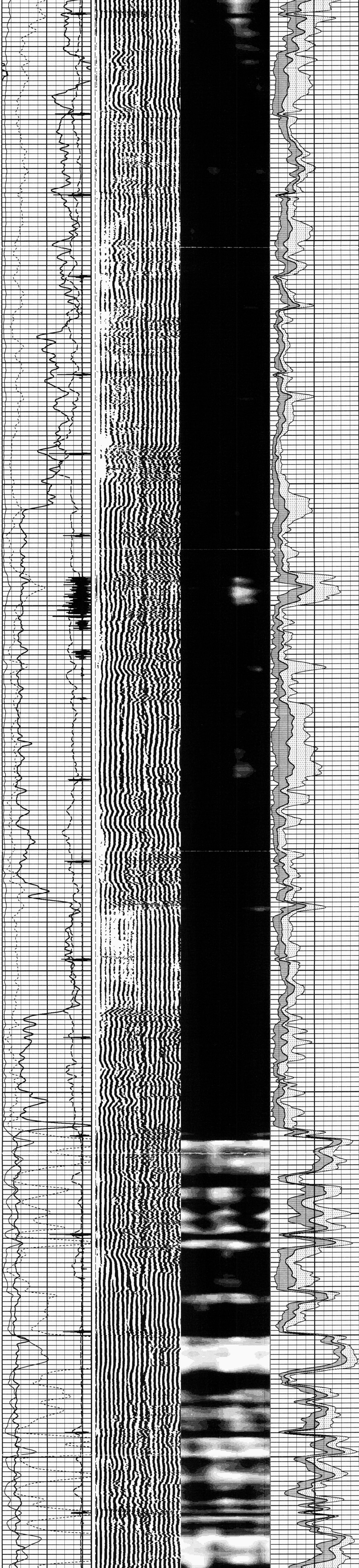
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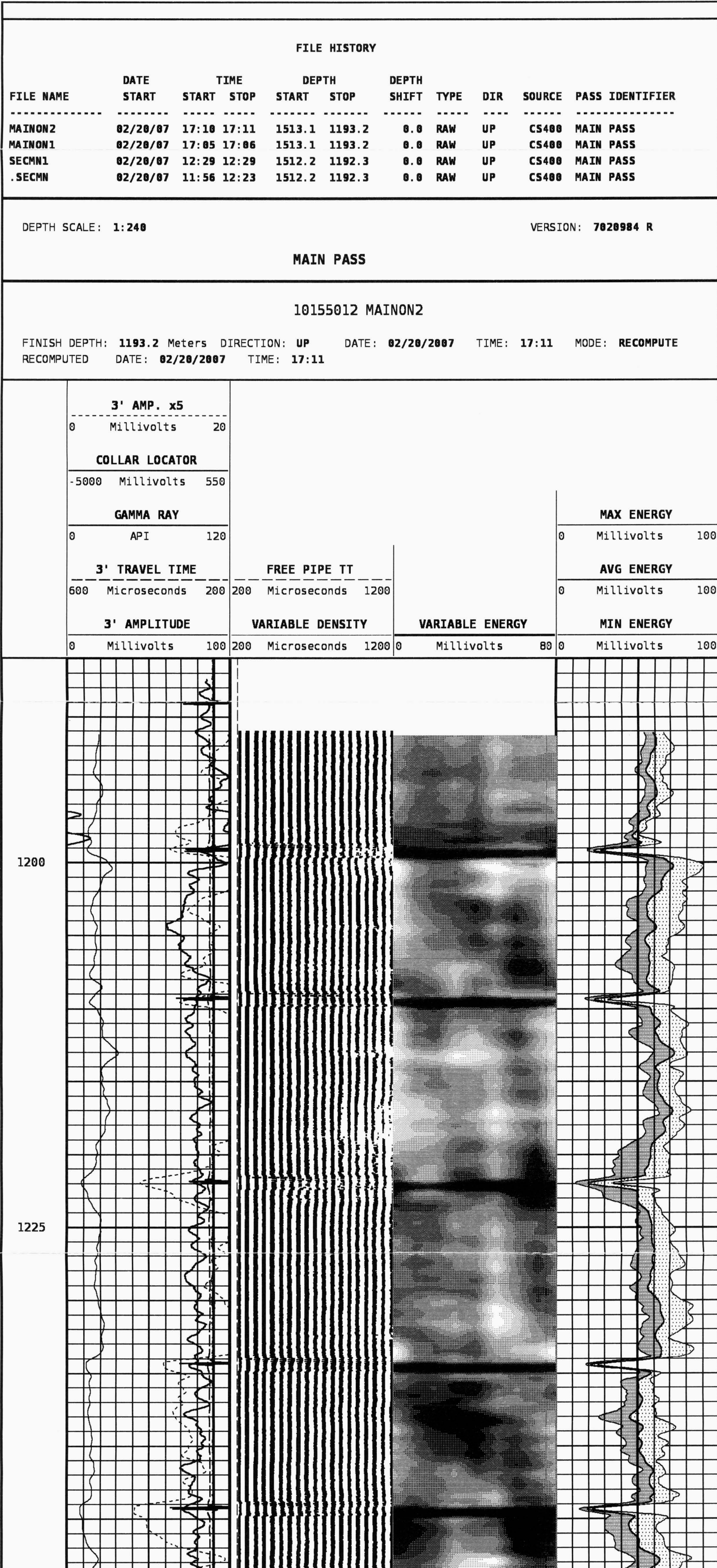
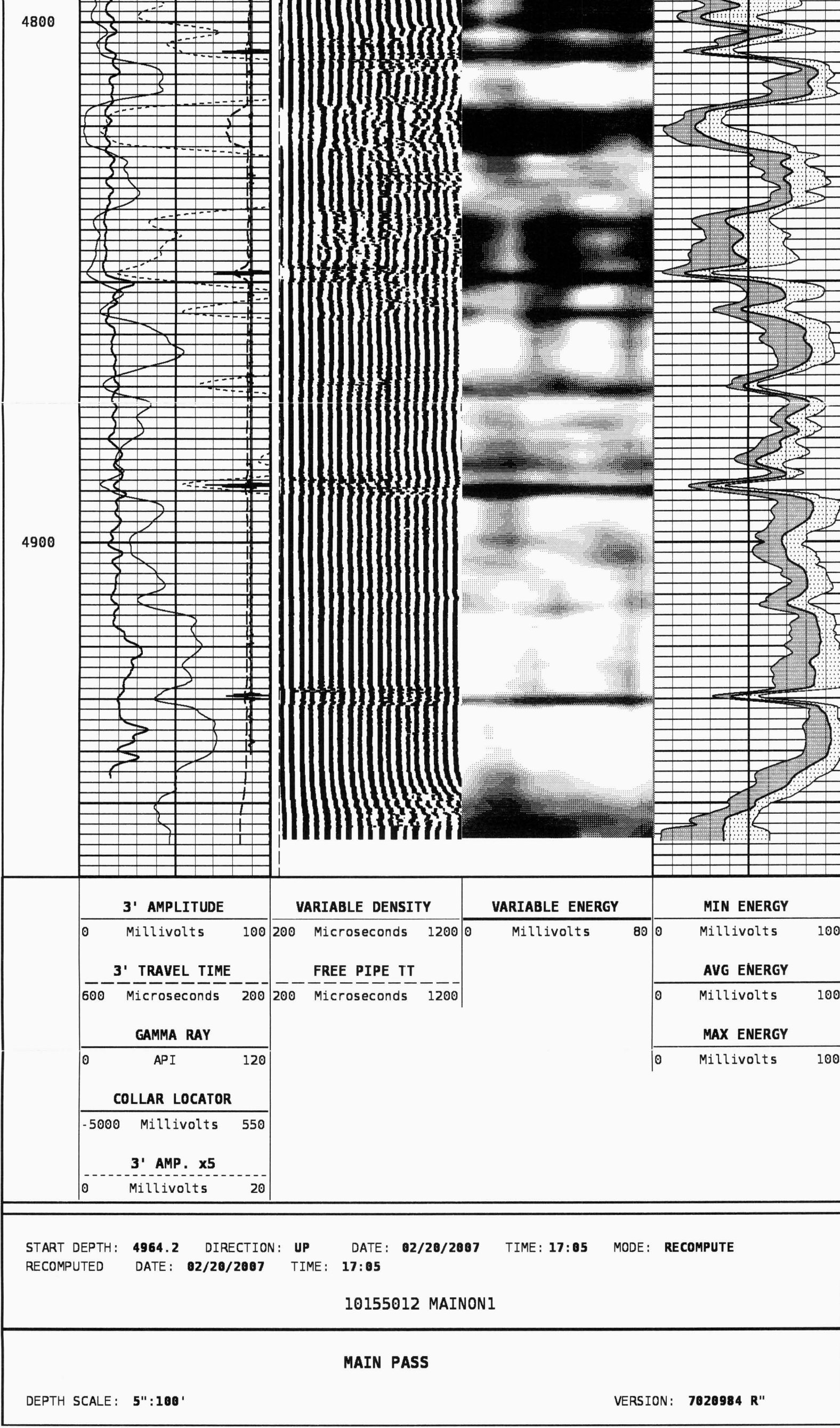
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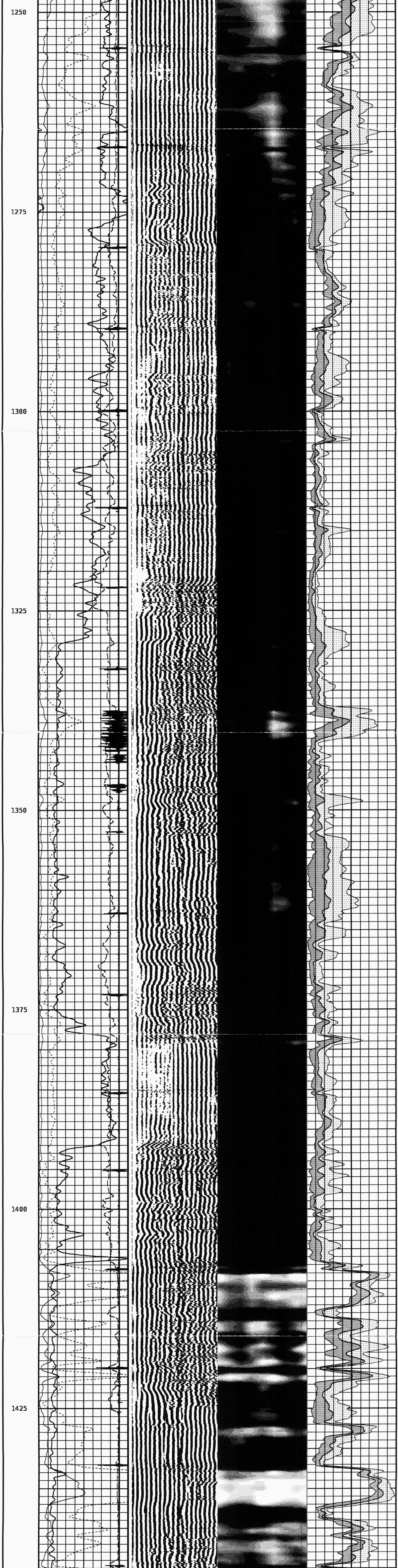
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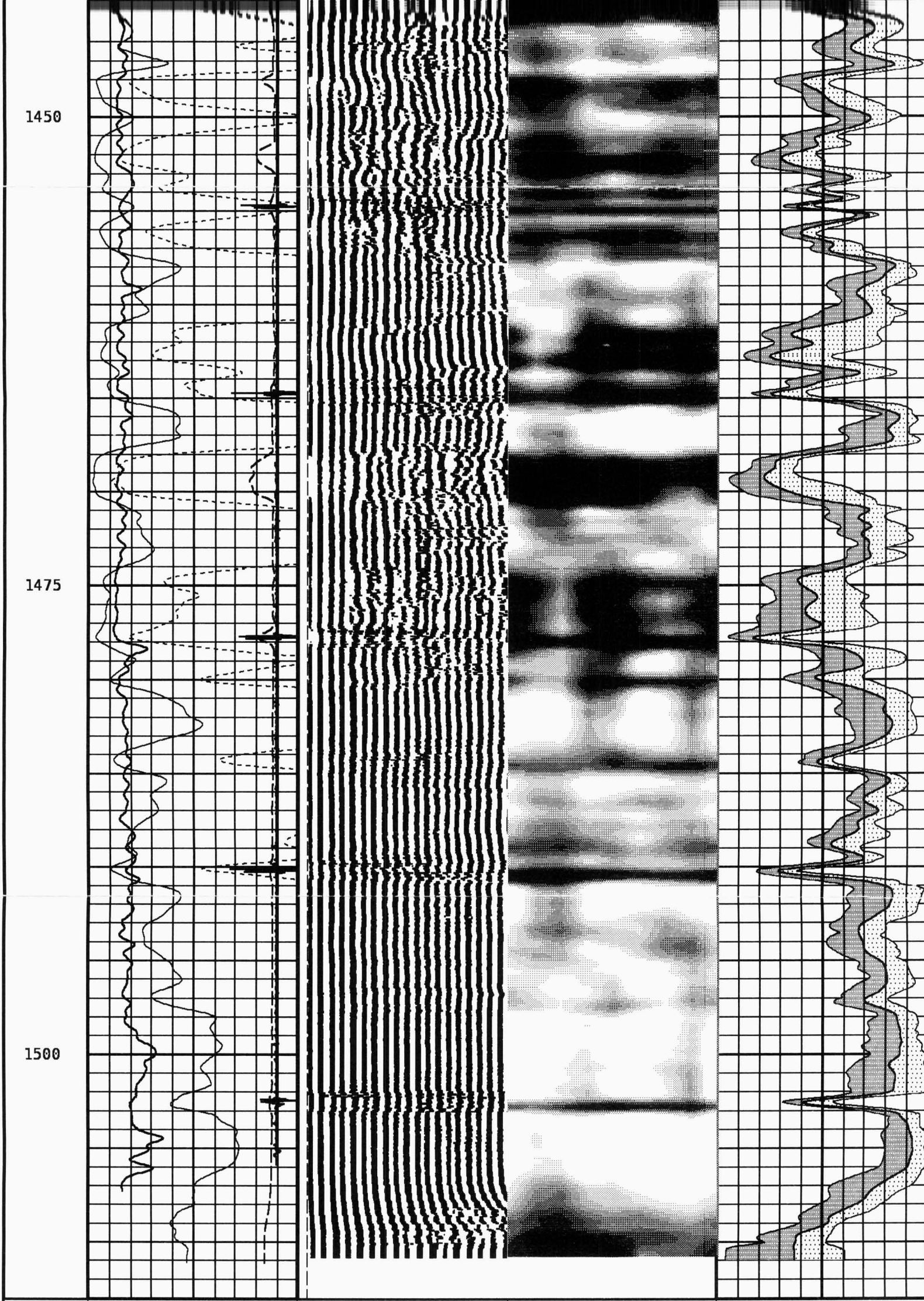
4600

4700







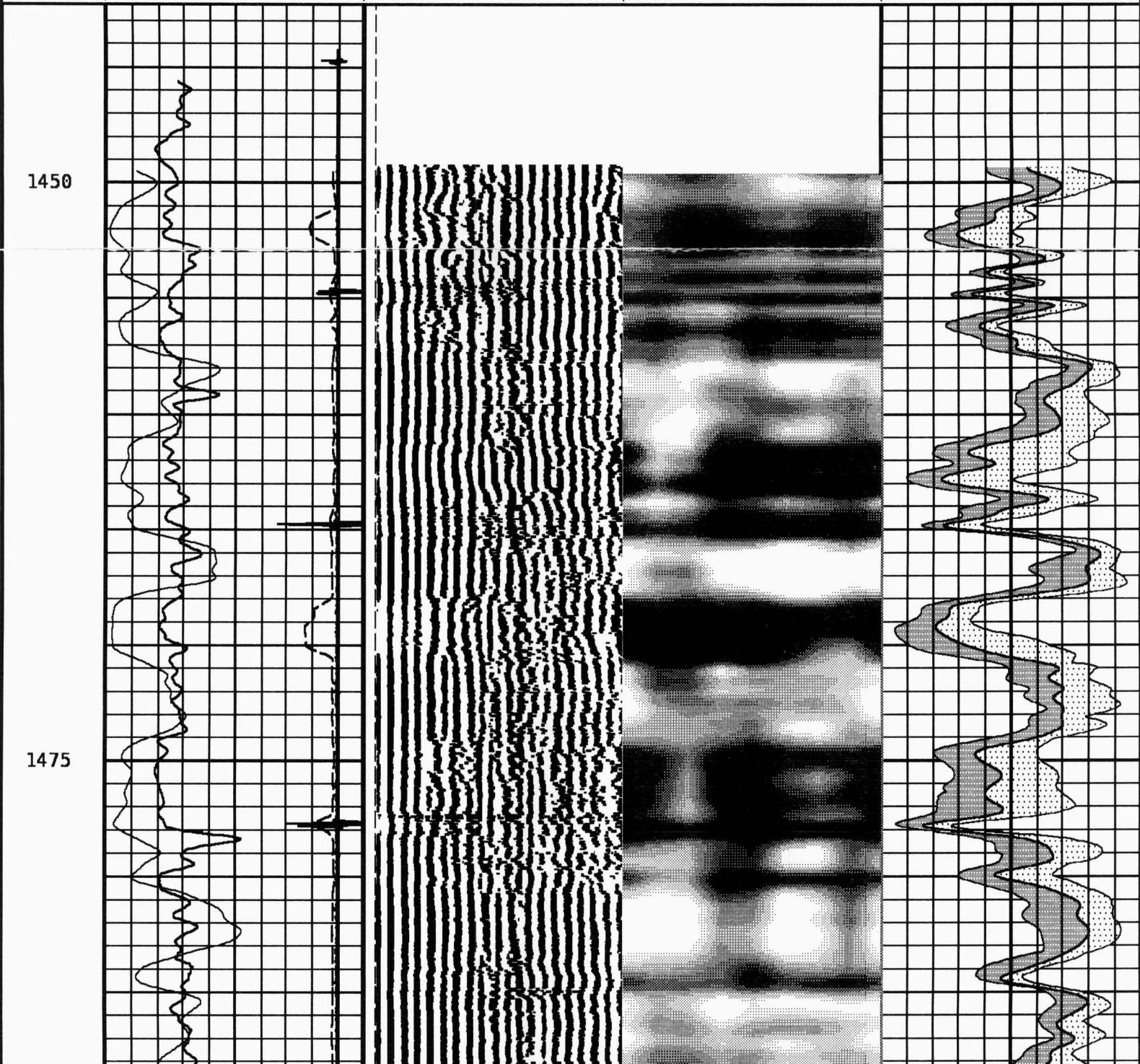


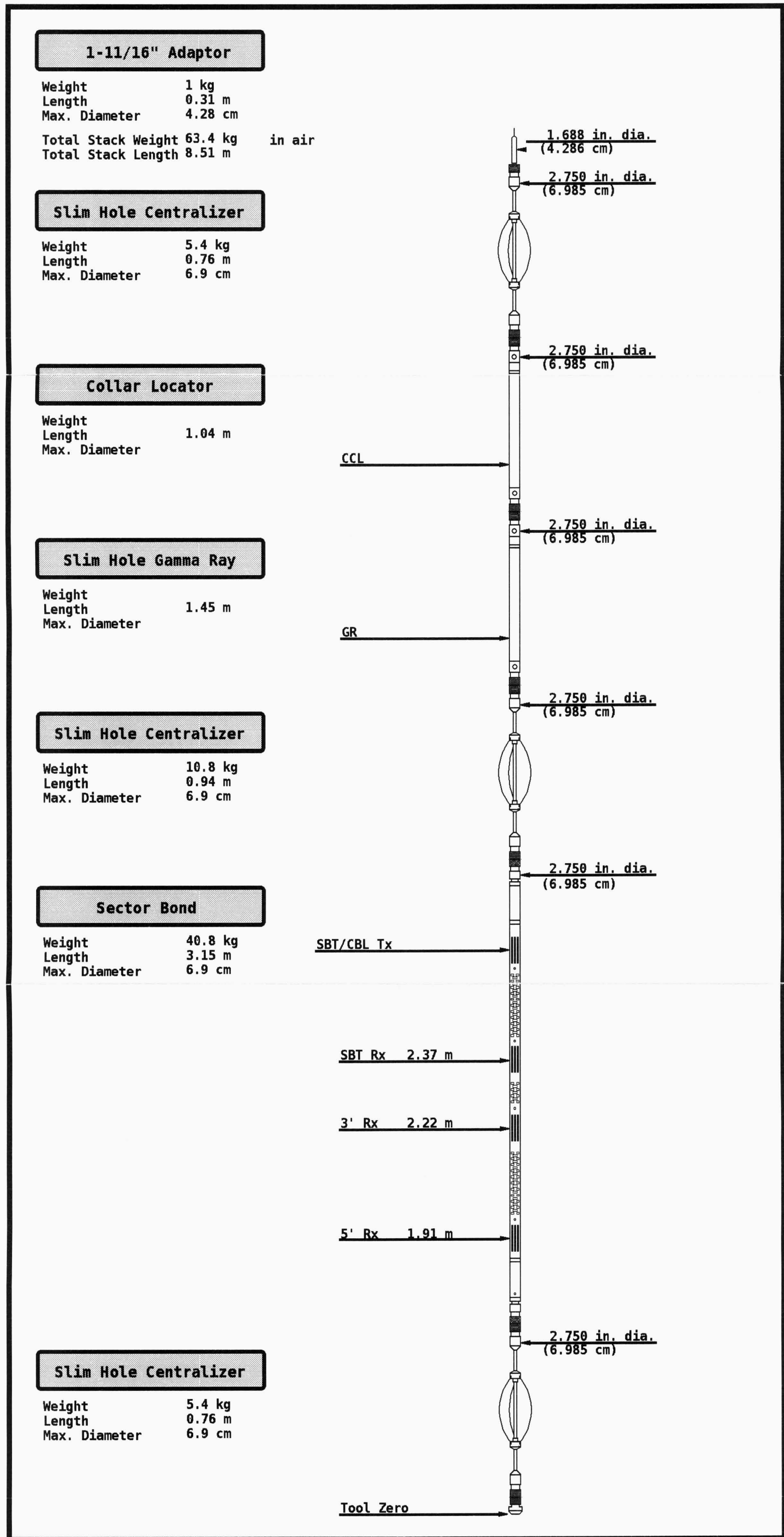
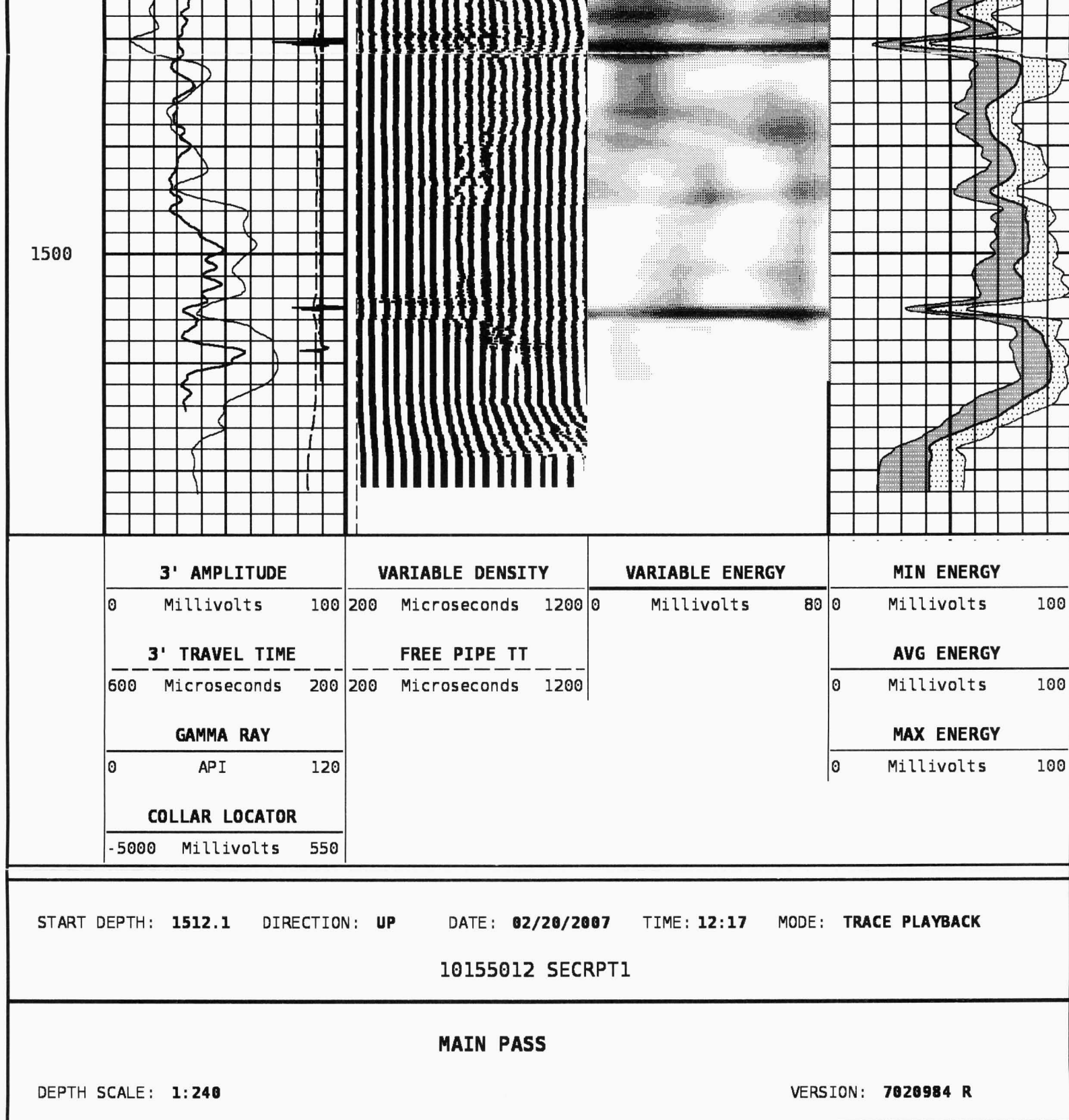
	3' AMPLITUDE			VARIABLE DENSITY			VARIABLE ENERGY			MIN ENERGY		
	0	Millivolts	100	200	Microseconds	1200	0	Millivolts	80	0	Millivolts	100
	3' TRAVEL TIME			FREE PIPE TT						AVG ENERGY		
	600	Microseconds	200	200	Microseconds	1200				0	Millivolts	100
	GAMMA RAY									MAX ENERGY		
	0	API	120							0	Millivolts	100
	COLLAR LOCATOR											
	-5000	Millivolts	550									
	3' AMP. x5											
	0	Millivolts	20									

START DEPTH: 1513.1 DIRECTION: UP DATE: 02/20/2007 TIME: 17:10 MODE: RECOMPUTE									
RECOMPUTED DATE: 02/20/2007 TIME: 17:10									
10155012 MAIN0N2									
MAIN PASS									
DEPTH SCALE: 1:240					VERSION: 7020984 R				

FILE HISTORY										
FILE NAME	DATE	TIME		DEPTH		DEPTH	TYPE	DIR	SOURCE	PASS IDENTIFIER
	START	START	STOP	START	STOP	SHIFT				
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SECRPT1	02/20/07	12:17	12:17	1512.1	1450.5	0.0	TRACE	UP	CS400	MAIN PASS
.SECRPT	02/20/07	11:49	11:54	1512.1	1450.5	0.0	TRACE	UP	CS400	REPEAT PASS
REMARKS										
2										
DEPTH SCALE: 1:240										
VERSION: 7020984 R										
MAIN PASS										
10155012 SECRPT1										
FINISH DEPTH: 1450.5 Meters DIRECTION: UP DATE: 02/20/2007 TIME: 12:17 MODE: TRACE PLAYBACK										

	COLLAR LOCATOR						MAX ENERGY	
	-5000	Millivolts 550					0	Millivolts 100
	GAMMA RAY						AVG ENERGY	
	0	API 120					0	Millivolts 100
	3' TRAVEL TIME		FREE PIPE TT				MIN ENERGY	
	600	Microseconds 200	200	Microseconds 1200			0	Millivolts 100
3' AMPLITUDE		VARIABLE DENSITY		VARIABLE ENERGY				
0	Millivolts 100	200	Microseconds 1200	0	Millivolts 80	0	Millivolts 100	





01/01/88	12:00	0.0 M	Ver	Job
Gamma Ray Before Survey Calibration				
Tool Type: GRB-AA		Serial No: 183		
Calibrator No:				
Background	Calibrator	Standard	Units	
24.5	195.0	120.0	API	
Delta Counts Per Sec: 170.5		CPS/API = 1.421		

02/20/07	11:38	719.0 M	Ver 7020984 R	Job 10155012
Sector Bond Before Calibration				
Tool Type	SBT-AA	Serial No	sbt131	
Sensor	Description	Standard	Measured	
AMP 3FT	ZERO	0.00	2.50	
	PLUS	72.00	1472.30	
AMP 5FT	ZERO	0.00	11.23	
	PLUS	60.00	1566.43	
1 SECTOR AMP	ZERO	0.00	15.40	

	PLUS	90.00	1253.30
2 SECTOR AMP	ZERO	0.00	13.20
	PLUS	90.00	1550.50
3 SECTOR AMP	ZERO	0.00	4.60
	PLUS	90.00	1509.30
4 SECTOR AMP	ZERO	0.00	11.22
	PLUS	90.00	1268.30
5 SECTOR AMP	ZERO	0.00	11.60
	PLUS	90.00	1197.40
6 SECTOR AMP	ZERO	0.00	10.70
	PLUS	90.00	1256.70
7 SECTOR AMP	ZERO	0.00	13.80
	PLUS	90.00	1305.60
8 SECTOR AMP	ZERO	0.00	10.10
	PLUS	90.00	1275.40

COMPANY PARAMOUNT RESOURCES LTD			 Weatherford®
309A056010117302			
WELL	PARA et al CAMERON A-05		
FIELD	CAMERON	PROVINCE ALBERTA	