



Weatherford

PULSED NEUTRON DECAY

COMPANY SANDRIDGE ENERG
WELL BUERKLKE 2133 1-7
FIELD BUERKLE
CNTY FINNEY STATE KS

COMPANY SANDRIDGE ENERGY
WELL BUERKLE 2133 1-7
FIELD BUERKLE
COUNTY FINNEY
LOCATION: 350' FNL & 661' FEL
SEC. 7 TWP. 21S RGE. 33W

STATE KANSAS
OTHER SERVICES:
SBL
CRANE
ELEV.: K.B. 2942
D.F.
G.L. 2922

PERM. DATUM GROUND LEVEL FT. ABOVE PERMANENT DATUM
LOG MEASURED FROM 20
DRILLING MEASURED FROM KELLY BUSHING

DATE 16 APR 2013

RUN NO. ONE

DEPTH DRILLER 5411

DEPTH LOGGER 5296

BIT. LOG INTERVAL 5288

TOP LOG INTERVAL 2800

OPEN HOLE SIZE 8.75"

TYPE FLUID WATER

DENS. VISC. -----

MAX. REC. TEMP. F NA

EST. CEMENT TOP 3090

TIME WELL READY 1330

TIME LOGGER ON BIT. 1415

EQUIP. NO. 14058

LOCATION LIBERAL

RECORDED BY FRANK MAYERS

WITNESSED BY MR. JASON MARTIN

BOREHOLE RECORD

RUN NO.	BIT	FROM	TO	SIZE	WGT.	FROM	TO
ONE	12.25	SURF	1835				
TWO	8.75	1835	5510				

TUBING RECORD

CASING RECORD	SIZE	WT/FT	GRADE	TYPE JOINT	TOP	BOTTOM
SURFACE STRING	9.625	36	J55	ST&C	SURF	1835
PROT. STRING						
PROD. STRING	7.0	23	J55	LT&C	SURF	5408
LINER						

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: WEATHERFORD CRANE 15053 Service Order # 200165

FLUID LEVEL AT SURFACE BHT NA °F

SUBTRACTED 8 FT TO CORRELATE TO HALLIBURTON POROSITY LOG

Prints: X

		EQUIPMENT DATA			
Bit Size	Run No.	Tool Type	Tool No.	Other	
Well Status	ONE	COMM/CCL	PCUF101		
Surface Pressure		PROC/GAMMA	PPUF104		
Shut In	Flowing	MEAS/GENERATOR	PMUF109		

DEPTH SCALE: 5":100'

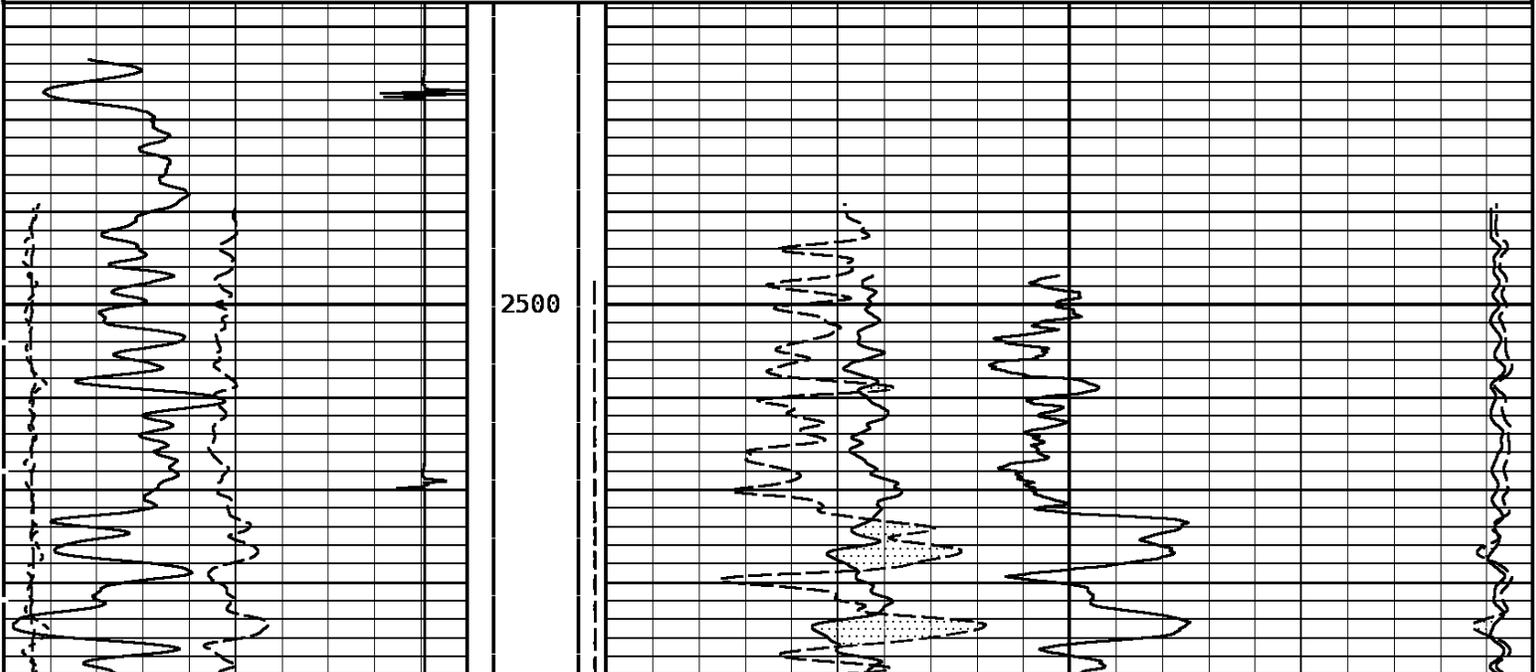
PROCESSED VERSION: 2012.07.18.162"

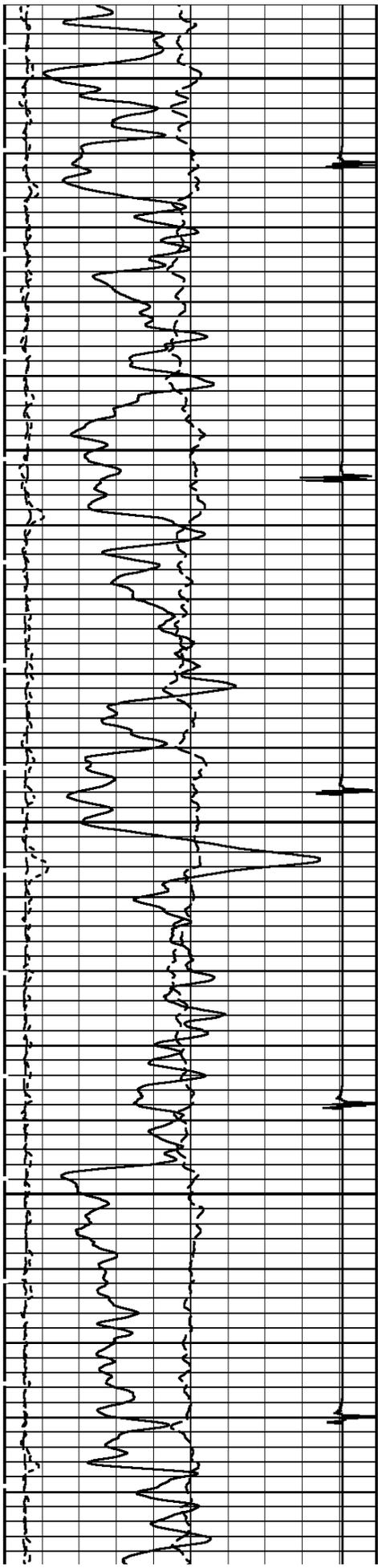
MAIN PASS

200165 PNDUPPER

FINISH DEPTH: 2496.9 Feet DIRECTION: UP DATE: 04/16/2013 TIME: 18:18 MODE: ORIGINAL
 RECOMPUTED DATE: 04/16/2013 TIME: 18:18

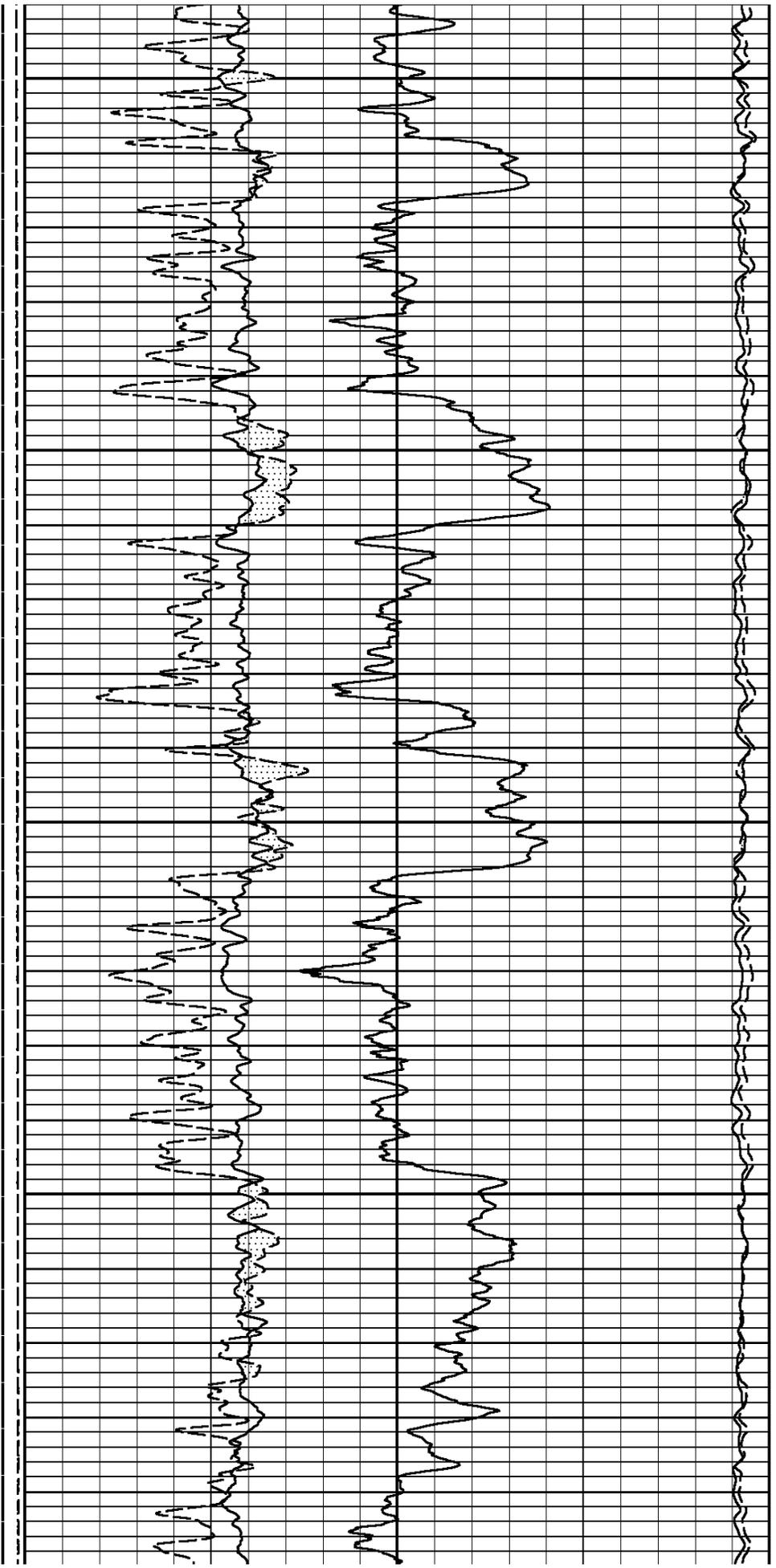
Collar Locator					
-10000	Millivolts	1000			
Gamma Ray					
0	API	150			
OUTPUT QUALITY		RATIO		FAR 1	
0.0	200000.0	6.0	1.0	40.0	Counts/Second 0.0
BGD FAR		RBNF		NEAR 1	
0.0	3000.0	3.0	13.0	240.0	Counts/Second 0.0
BGD NEAR		Tension		Formation Sigma	
0.0	30000.0	0	2000	60.0	0.0

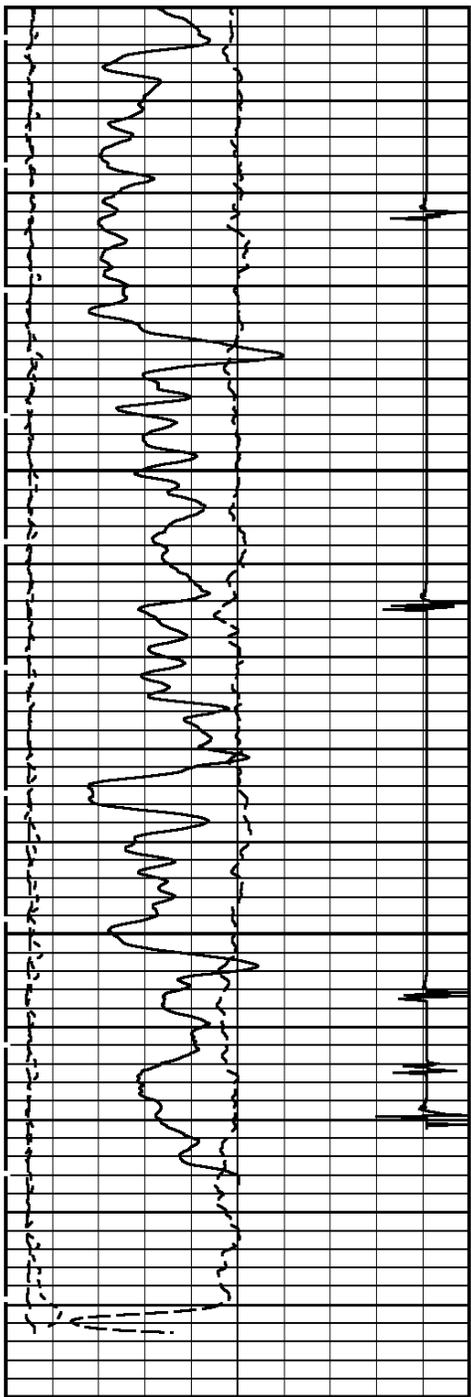




2600

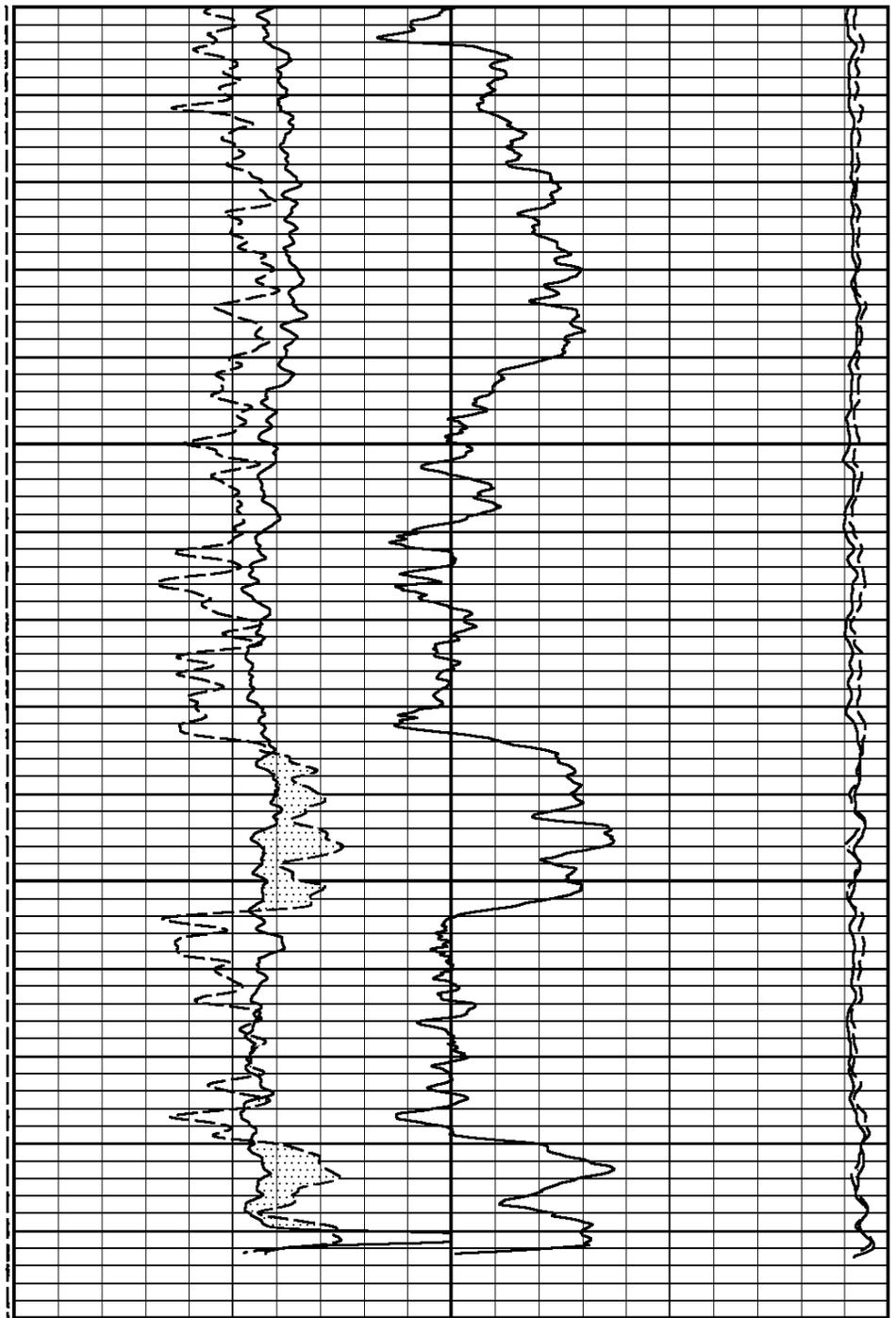
2700





2800

2900



BGD NEAR	0.0	30000.0
BGD FAR	0.0	3000.0
OUTPUT QUALITY	0.0	200000.0
Gamma Ray	0	150
Collar Locator		

Tension	0	2000	Formation Sigma	60.0	0.0
			RBNF	3.0	13.0
			NEAR 1	240.0	0.0
					Counts/Second
			RATIO	6.0	1.0
			FAR 1	40.0	0.0
					Counts/Second

-10000 Millivolts 1000

START DEPTH: 2900.4 DIRECTION: UP DATE: 04/16/2013 TIME: 18:17 MODE: ORIGINAL
RECOMPUTED DATE: 04/16/2013 TIME: 18:17

200165 PNDUPPER

MAIN PASS

DEPTH SCALE: 5":100'

LOGGED VERSION: 2012.07.18.162"

DEPTH SCALE: 5":100'

PROCESSED VERSION: 2012.07.18.162"

MAIN PASS

200165 pnd1

FINISH DEPTH: 3741.1 Feet DIRECTION: UP DATE: 04/16/2013 TIME: 15:48 MODE: ORIGINAL
RECOMPUTED DATE: 04/16/2013 TIME: 16:07

Collar Locator

-10000 Millivolts 1000

Gamma Ray

0 API 150

OUTPUT QUALITY

0.0 200000.0

BGD FAR

0.0 3000.0

BGD NEAR

0.0 30000.0

RATIO

6.0 1.0 40.0 Counts/Second 0.0

FAR 1

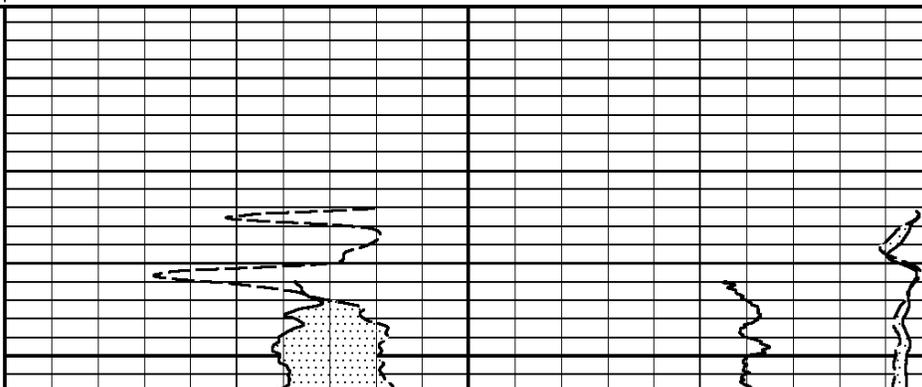
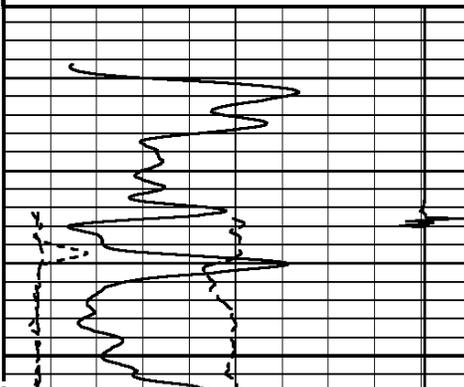
RBNF

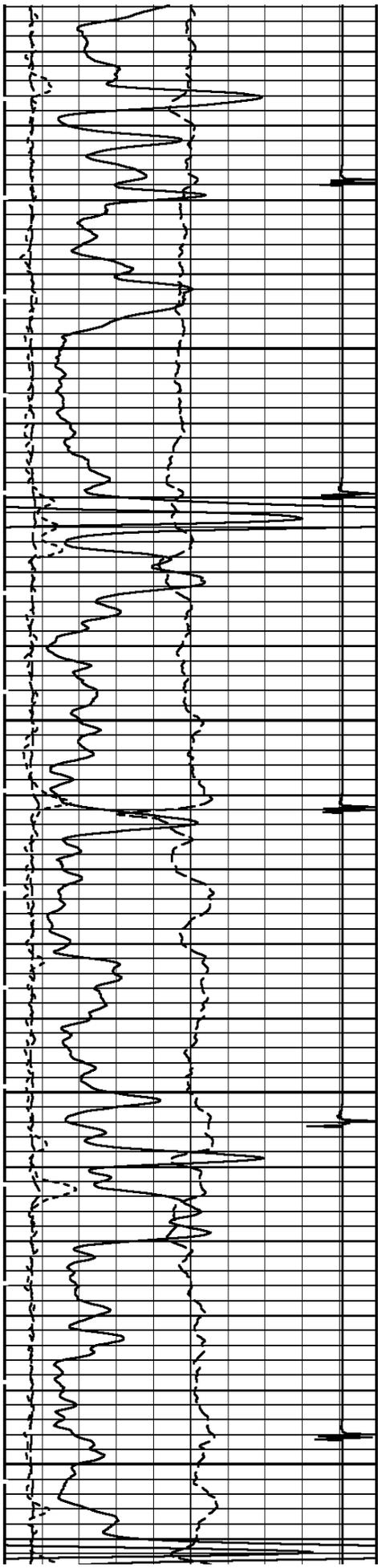
3.0 13.0 240.0 Counts/Second 0.0

NEAR 1

Formation Sigma

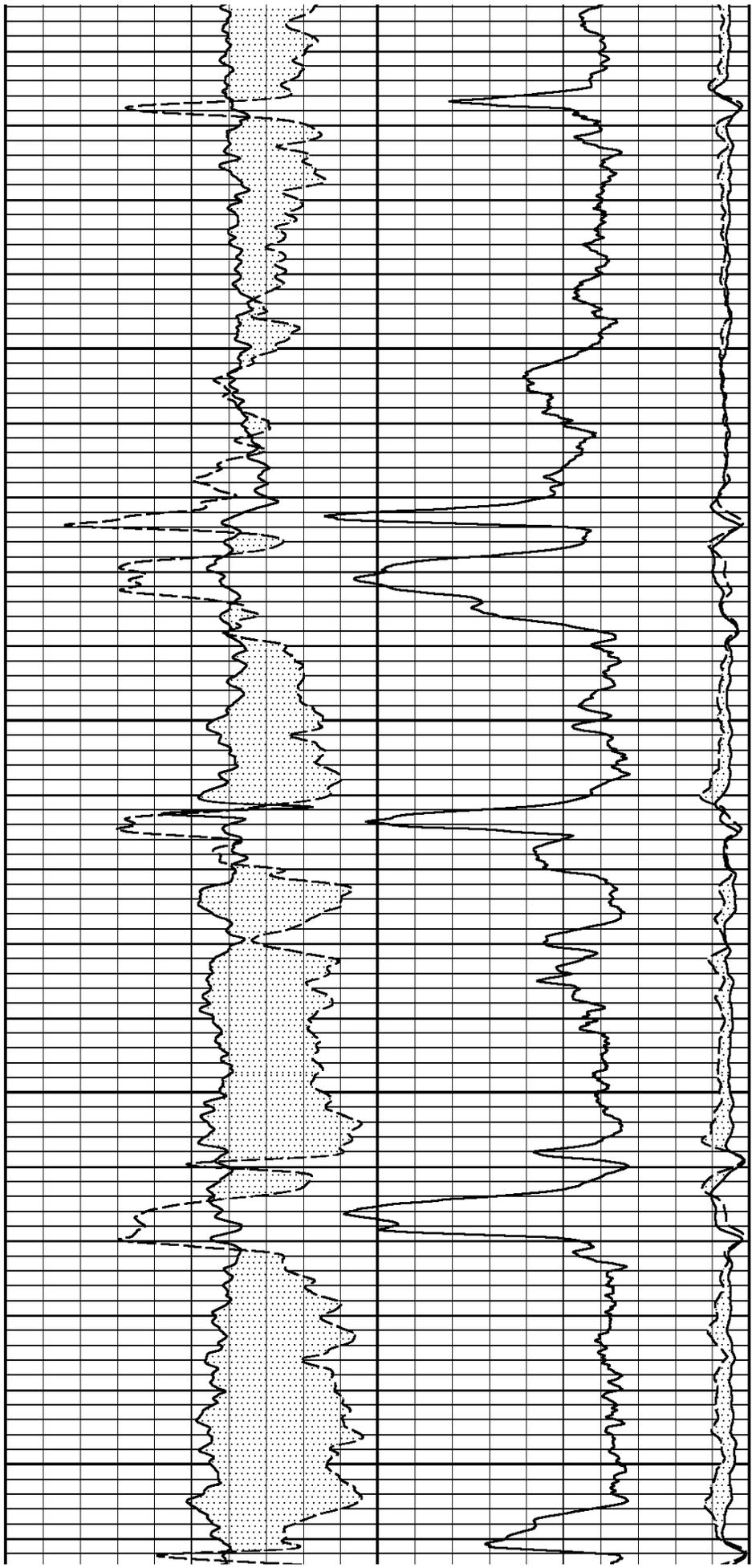
60.0 0.0





3800

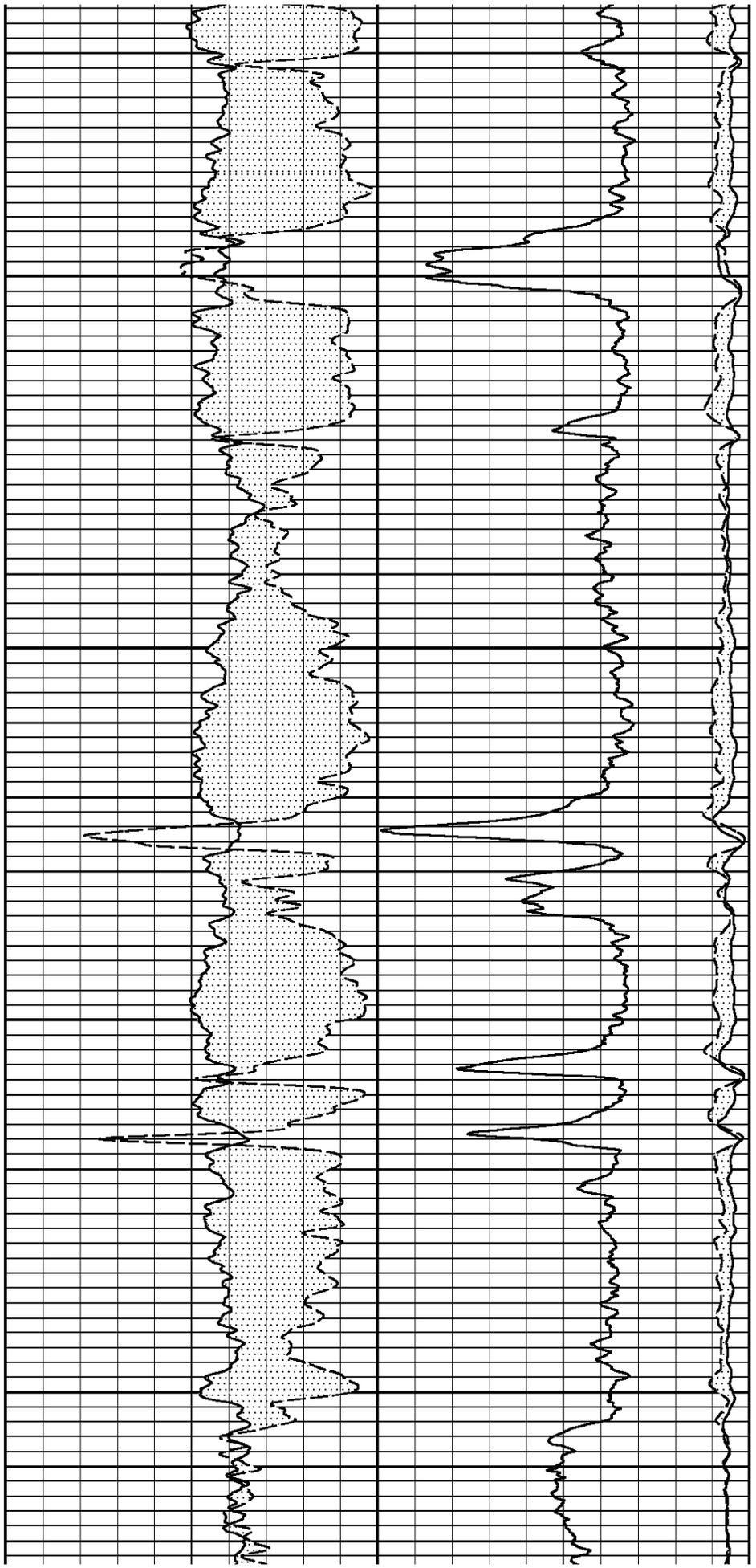
3900

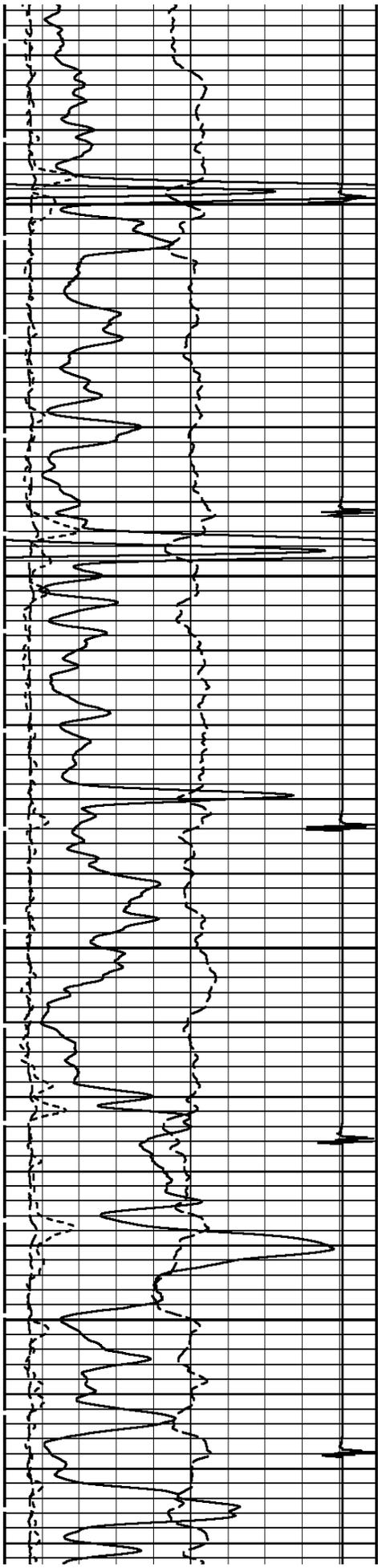




4000

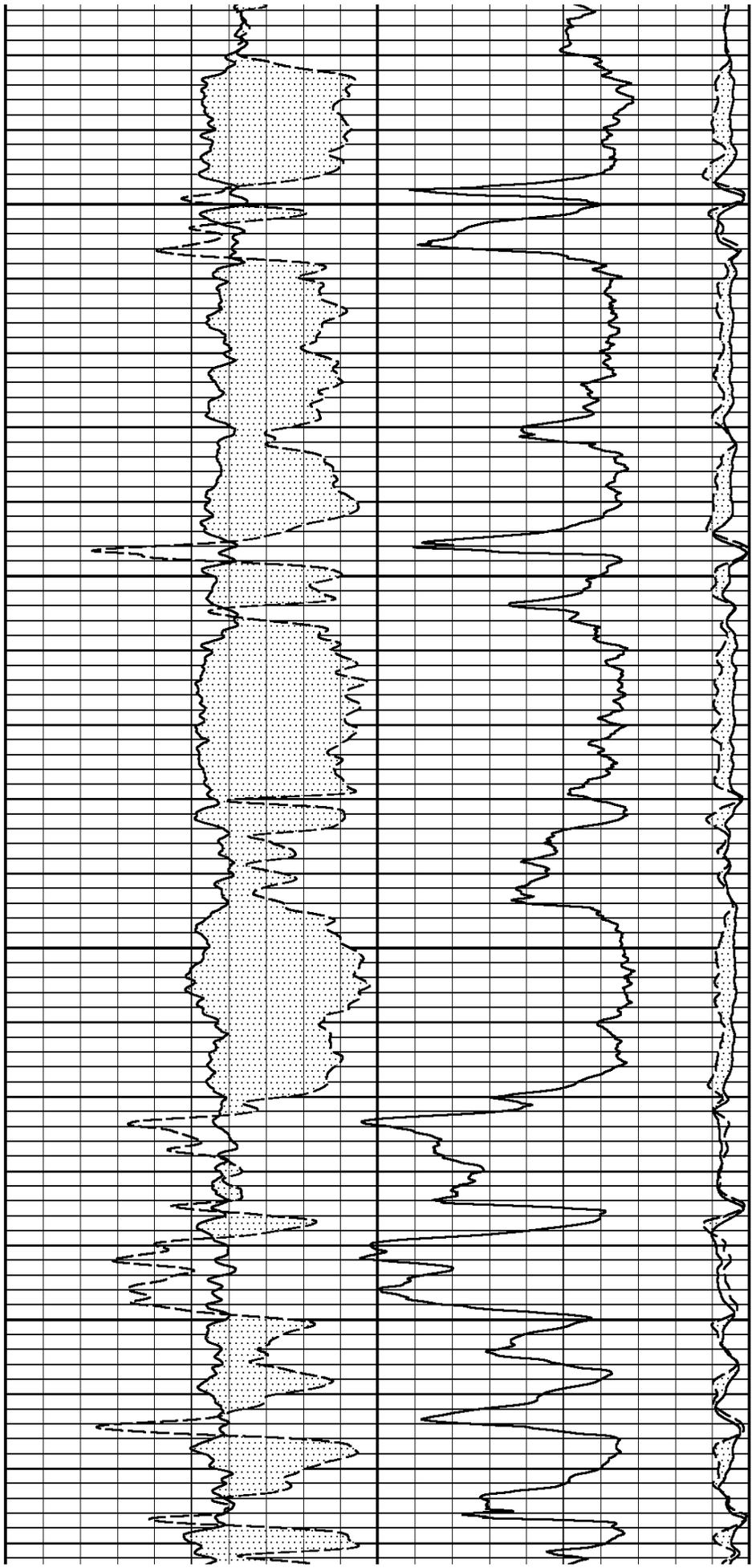
4100





4200

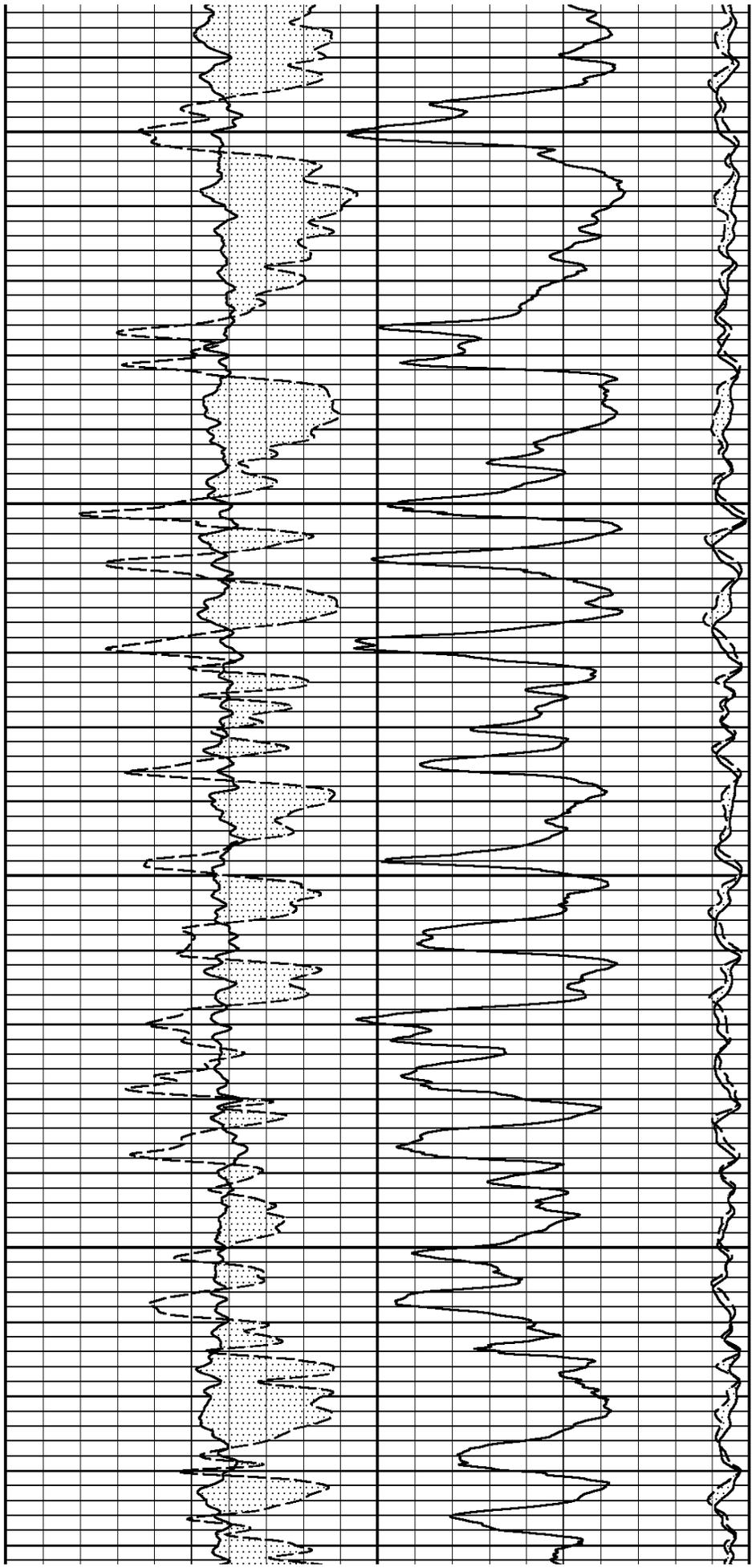
4300

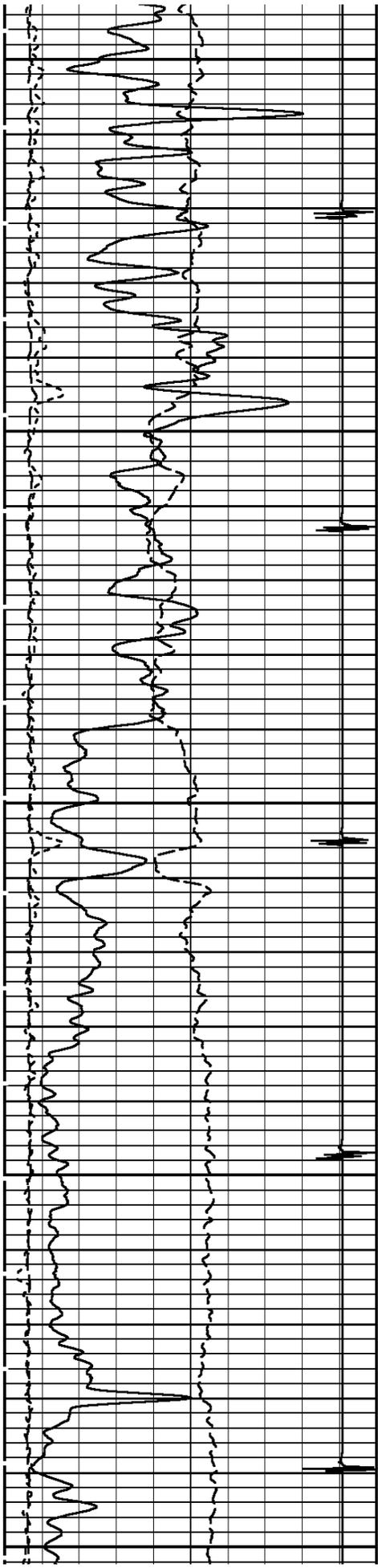




4400

4500

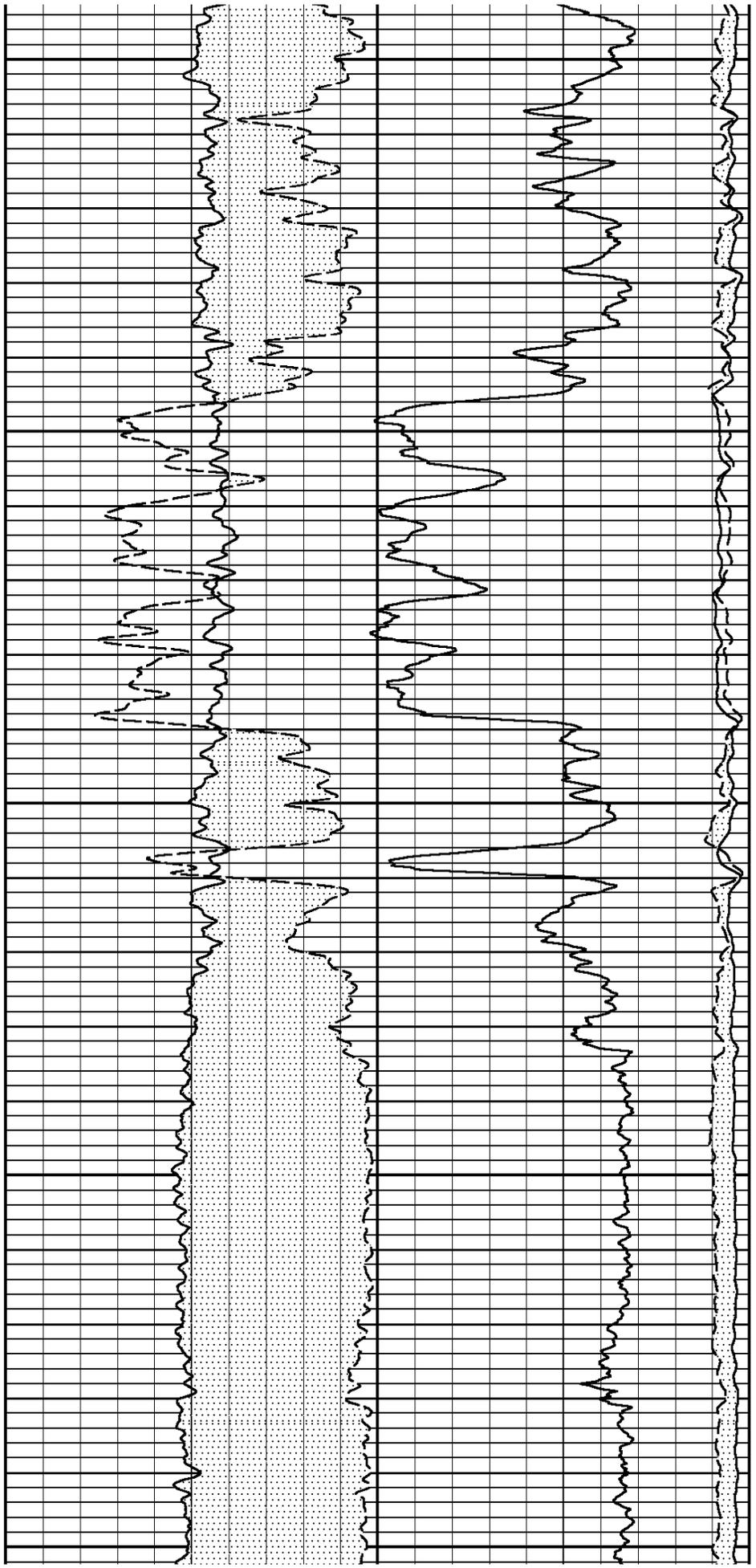


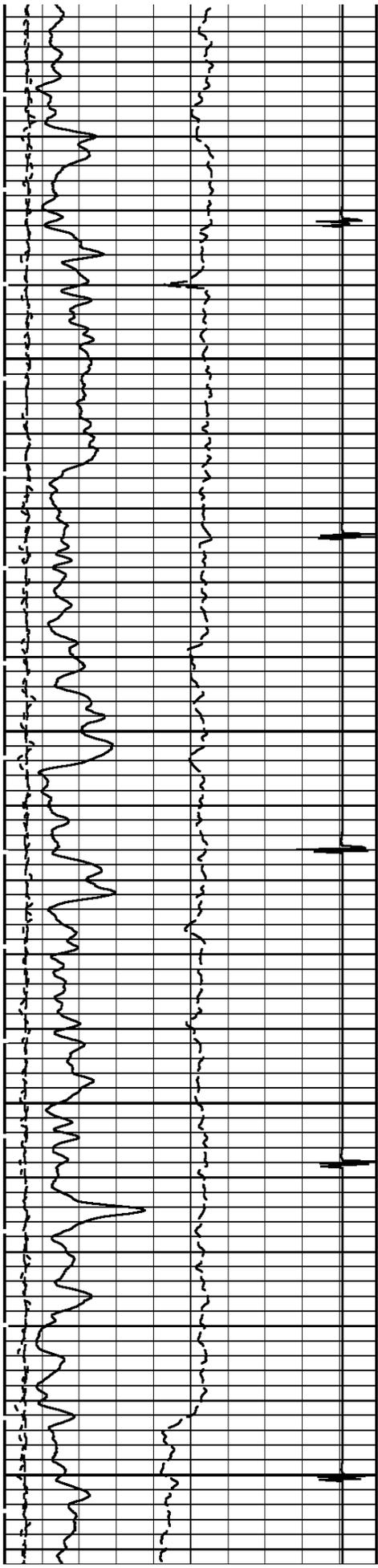


4600

4700

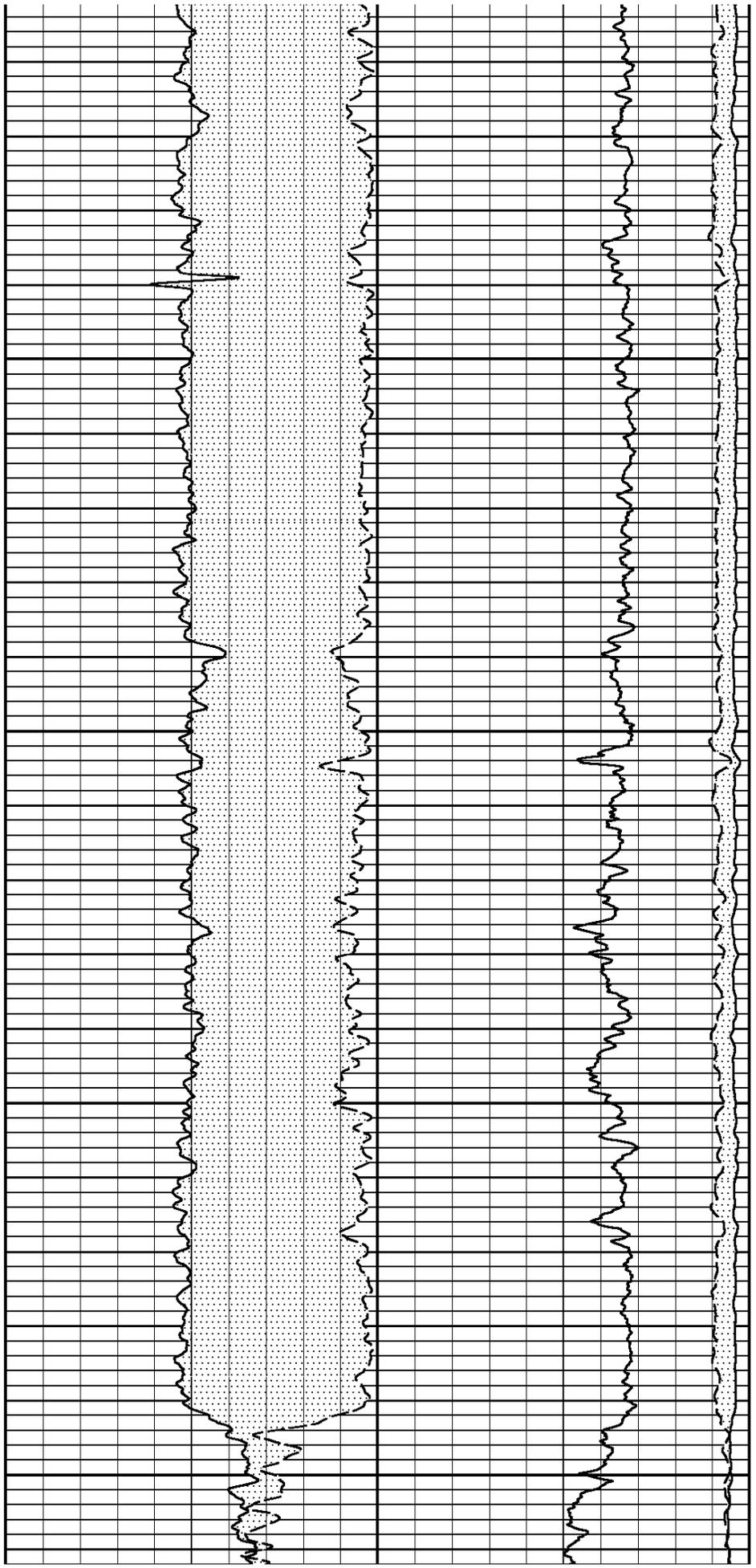
4800

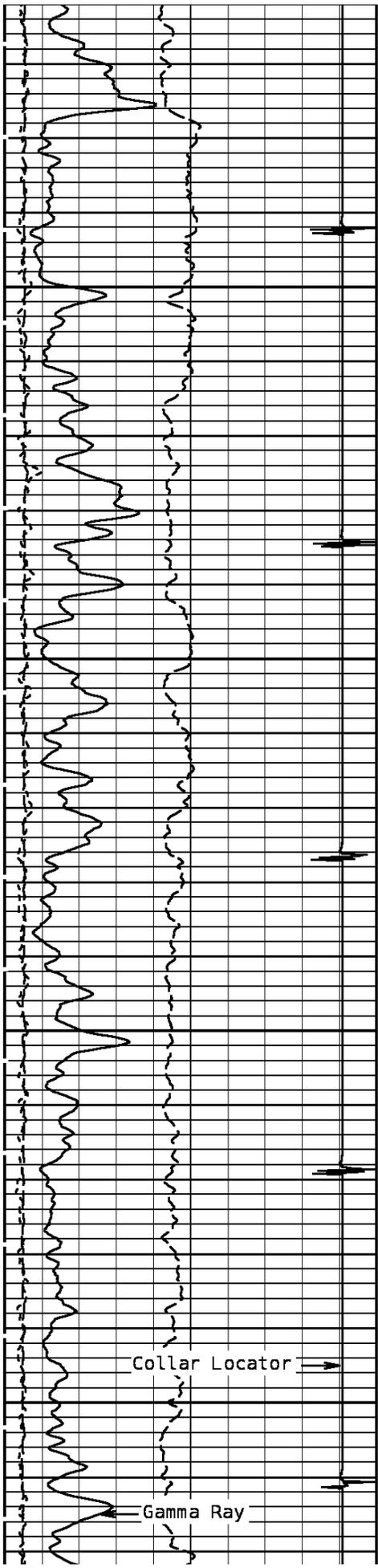




4900

5000



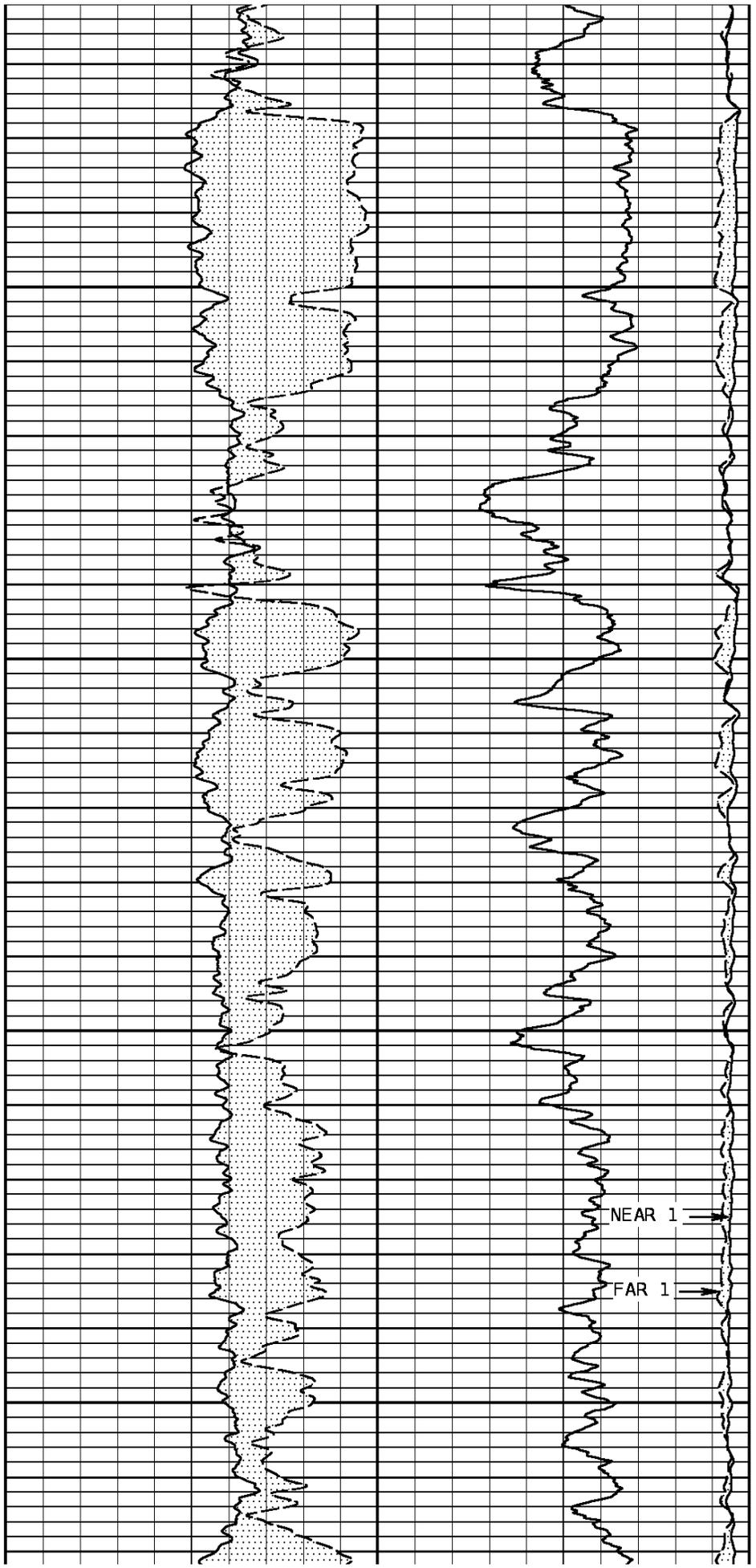


5100

5200

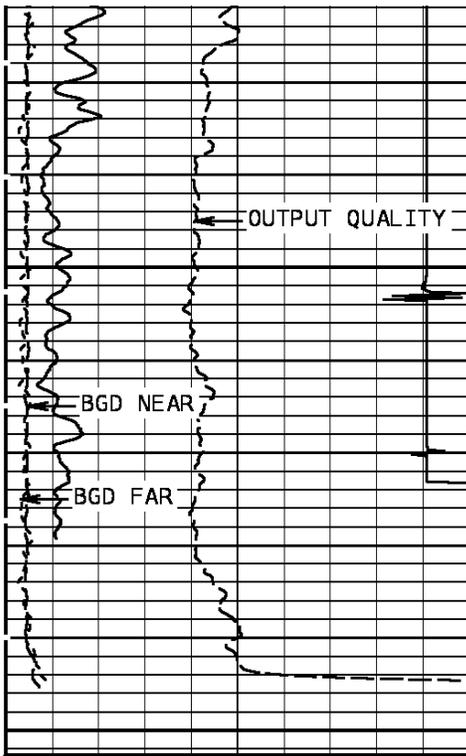
Collar Locator →

← Gamma Ray

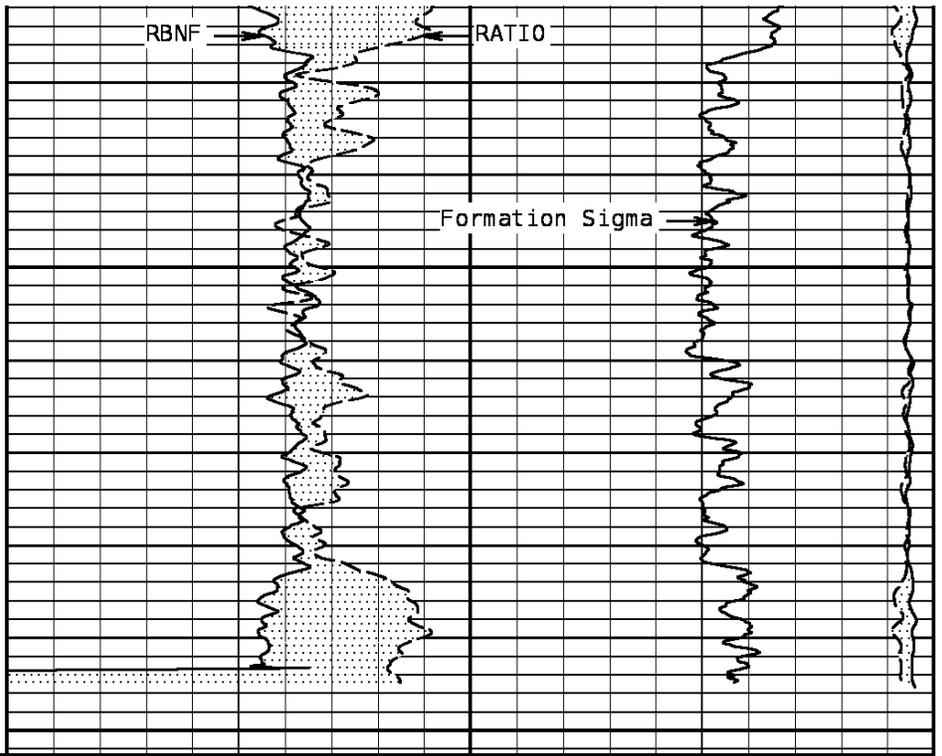


NEAR 1 →

← FAR 1



5300



BGD NEAR		
0.0		30000.0
BGD FAR		
0.0		3000.0
OUTPUT QUALITY		
0.0		200000.0
Gamma Ray		
0	API	150
Collar Locator		
-10000	Millivolts	1000

Formation Sigma			
60.0			0.0
RBNF		NEAR 1	
3.0	13.0	240.0	Counts/Second 0.0
RATIO		FAR 1	
6.0	1.0	40.0	Counts/Second 0.0

START DEPTH: 5302.0 DIRECTION: UP DATE: 04/16/2013 TIME: 13:44 MODE: ORIGINAL
 RECOMPUTED DATE: 04/16/2013 TIME: 16:05

200165 pnd1

MAIN PASS

DEPTH SCALE: 5":100'

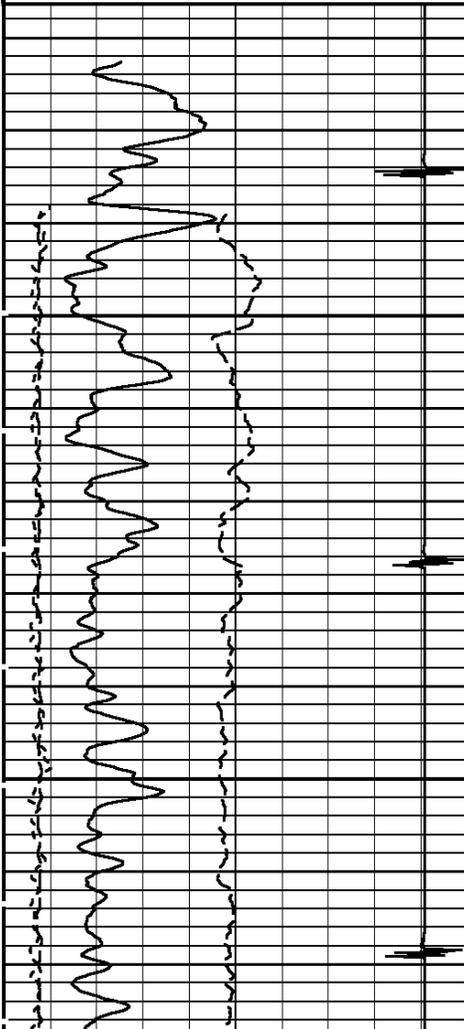
LOGGED VERSION: 2012.07.18.162"

MAIN PASS

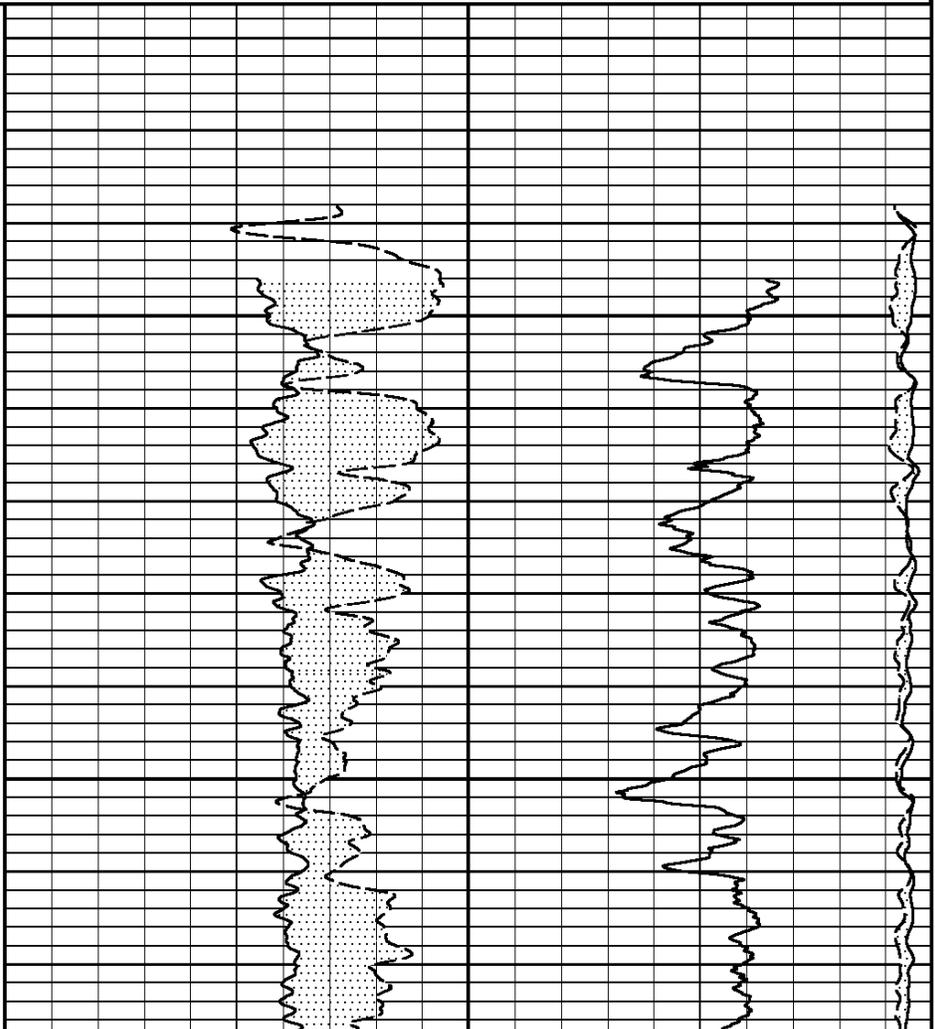
200165 PNDREPEAT

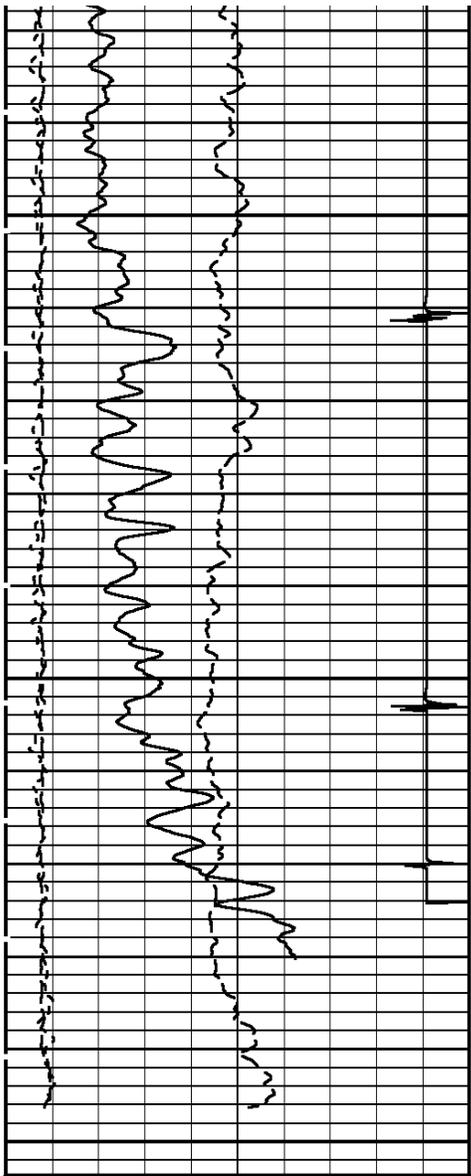
FINISH DEPTH: 5096.0 Feet DIRECTION: UP DATE: 04/16/2013 TIME: 17:12 MODE: ORIGINAL
RECOMPUTED DATE: 04/16/2013 TIME: 17:12

Collar Locator								
-10000	Millivolts	1000						
Gamma Ray								
0	API	150						
OUTPUT QUALITY				RATIO		FAR 1		
0.0	200000.0	6.0	1.0	40.0	Counts/Second	0.0		
BGD FAR				RBNF		NEAR 1		
0.0	3000.0	3.0	13.0	240.0	Counts/Second	0.0		
BGD NEAR				Formation Sigma				
0.0	30000.0	60.0					0.0	



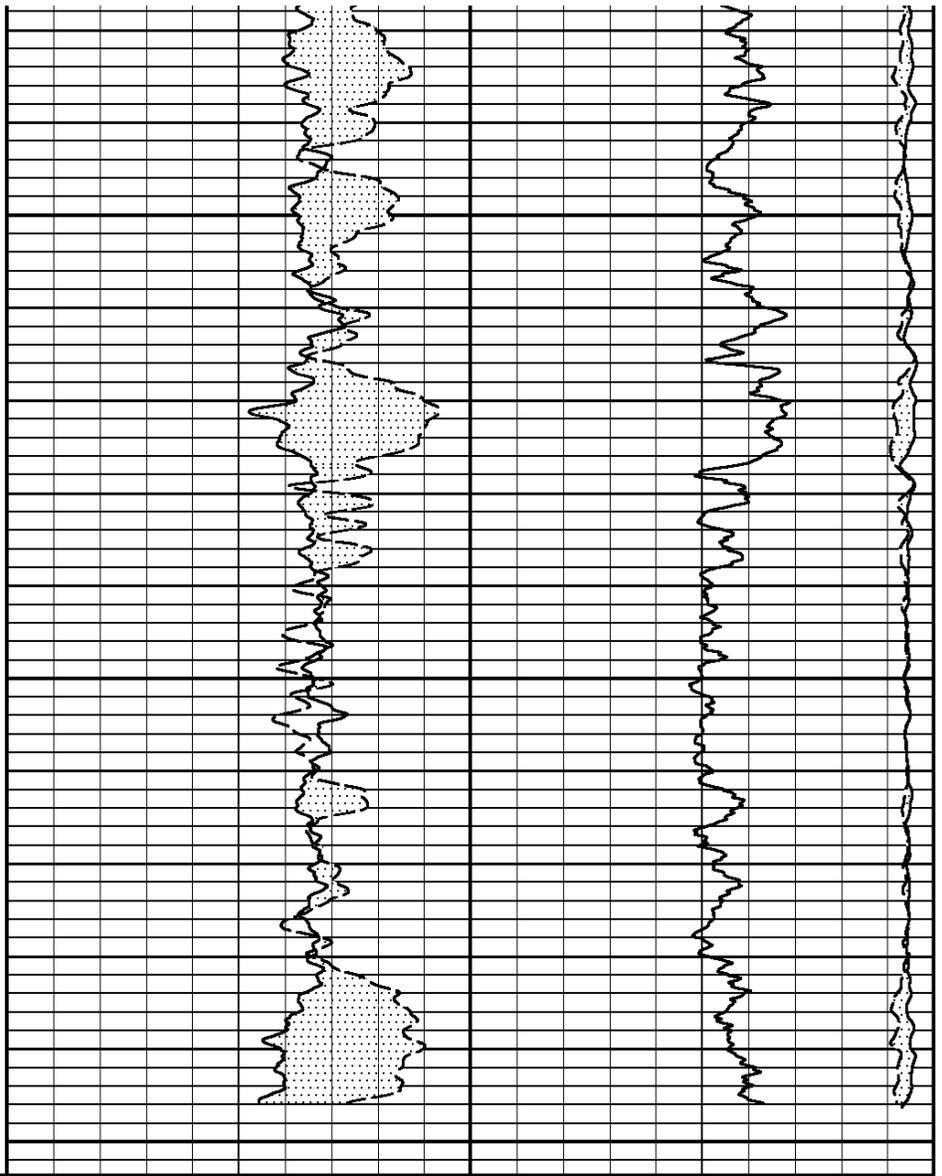
5100





5200

5300



BGD NEAR		
0.0		30000.0
BGD FAR		
0.0		3000.0
OUTPUT QUALITY		
0.0		200000.0
Gamma Ray		
0	API	150
Collar Locator		
-10000	Millivolts	1000

Formation Sigma			
60.0			0.0
RBNF		NEAR 1	
3.0	13.0	240.0	Counts/Second 0.0
RATIO		FAR 1	
6.0	1.0	40.0	Counts/Second 0.0

START DEPTH: 5303.7 DIRECTION: UP DATE: 04/16/2013 TIME: 17:12 MODE: ORIGINAL
 RECOMPUTED DATE: 04/16/2013 TIME: 17:12

200165 PNDREPEAT

MAIN PASS

DEPTH SCALE: **5":100'**

LOGGED VERSION: **2012.07.18.162"**

COMPANY SANDRIDGE ENERGY

WELL BUERKLE 2133 1-7

FIELD BUERKLE

COUNTY FINNEY

STATE KANSAS



Weatherford®