

D013125731



GAMMA CCL MSG CEMENT BOND LOG

COMP. : TEXACO E. & P. INC.		WELL : T. ANDERSON NO.5		FIELD : MONUMENT BLINEBRY		COUNTY: LEA		ST. N. MEX	
PERMANENT DATUM		LOG MEASURED FROM		DRILLING MEAS FROM		DATE & TIME LOGGED		RUN NO.	
GL		KB		KB		03/16/96		ONE	
ELEV. 3543		ELEV. 12.8 FT. ABOVE PERM. DATUM		ELEV. 3543		ELEV. 3555		D.F. 3453	
G.L. 3554									
SEC. 8		TWP. 20-S		RGE. 37-E					
WELL		T. ANDERSON NO.5		FIELD		MONUMENT BLINEBRY		COUNTY	
LEA		STATE		N. MEX.		OTHER SERVICE			
API NO. 30-025-33298		LOCATION :		1650 FSL AND 430 FEL		PERFORATE			
DATE/TIME CEMENTED		SURF. STRING		INT. STRING		PROD. STRING		LINER	
PRIMARY/SQUEEZE		EXPECTED		Hrs		Hrs		Hrs	
CEMENT VOLUME		CEMENT TYPE/WEIGHT		MUD TYPE/MUD WGT.		FORMULATION			
RUN		BOREHOLE RECORD		CASING AND TUBING RECORD					
No.		BIT SZ.		FROM		TO		SIZE	
ONE		NA		SURF.		1150		8.625	
TWO		7.875		SURF.		T.O.		5.50	
								17.0	
								SURF.	
								T.O.	

FOLD HERE

SERVICE TICKET NO. 864073		API SERIAL NO. 30-025-33298		PGM VERSION: 6.37		
THE WELL NAME, LOCATION, BOREHOLE DESCRIPTION AND/OR CEMENTING DATA FURNISHED BY CLIENT						
CEMENTING DATA						
Cement pumped	N/A	bbl/min @	psi	Centralizers	(Spacing)	
Preceding fluid			8bl		/ Joint	
Returns ? (Full, Partial, None)					/ Joint	
Pipe rotated / during pumping ?	()				/ Joint	
recipitated after plug down ?	()			Scratchers	(Spacing)	
Plug Bumped ?	()				/ Joint	
Plug landing pressure :		PSI			/ Joint	
Pressure Held	PSI 00:00 hrs after pumping				/ Joint	
EQUIPMENT DATA						
GAMMA		ACOUSTIC				
RUN NO.	ONE	RUN NO.	ONE	RUN NO.		
SERIAL NUMBER	107789	SERIAL NUMBER	107789	SERIAL NUMBER		
MODEL NUMBER	102	MODEL NUMBER	271	MODEL NUMBER		
DIAMETER	3.375	DIAMETER	3.375	DIAMETER		
LOGGING DATA						
PASS	GAMMA		ACOUSTIC		SCALE	
NO.	L	R	L	R	L	R
1	0	100	0	100		
GENERAL DATA						
PASS	DEPTHS		WELL HEAD	SPEED	LOGGING RUN COMMENTS :	
NO.	FROM	TO	PRESSURE	FT./MIN.		
1	5833	4500	NA	REC.		
Remarks: LOG DEPTH CORRELATED TO SCHLUMBERGER DUAL LATERAL LOG, DATED 3/19/96.						
RESET DEPTH 4.50 FEET OUT OF HOLE.						
CEMENT FIRST STAGE: 500 SXS 50/50 Pozh - DID NOT CIRCULATE CEMENT THRU D.V.						
CEMENT SECOND STAGE: 2000SXS 35/65 Pozh FOLLOWED BY 100 SXS CLASS H NEAT						
DID NOT CIRCULATE CEMENT.						
HALLIBURTON DOES NOT GUARANTEE THE ACCURACY OF ANY INTERPRETATION OF LOG DATA, CONVERSION OF LOG DATA TO PHYSICAL ROCK PARAMETERS, OR RECOMMENDATIONS WHICH MAY BE GIVEN BY HALLIBURTON PERSONNEL OR WHICH MAY APPEAR ON THE LOG OR IN ANY OTHER FORM. ANY USER OF SUCH DATA, INTERPRETATIONS, CONVERSIONS OR RECOMMENDATIONS AGREES THAT HALLIBURTON IS NOT RESPONSIBLE, EXCEPT WHERE DUE TO GROSS NEGLIGENCE OR WILFUL MISCONDUCT FOR ANY LOSS, DAMAGE, OR EXPENSES RESULTING FROM USE THEREOF. HALLIBURTON						

PASS SHOWING TOP OF CEMENT

2702 2 TYP0, PROBABLY CEN IS 2272 BUT LOOKS LIKE
RECENT M. MICROPHON

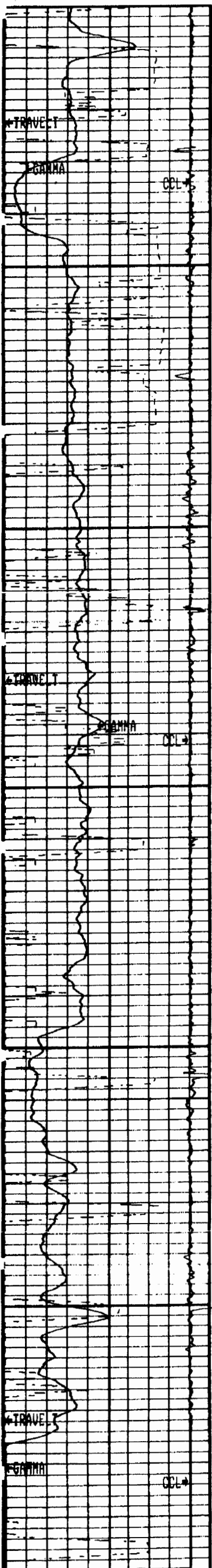
Log Plotted with: SUCCESS Software Version : 6.60 - GENERAL RELEASE STD on 3/16/96 17:36

Mode = Re-log Logged with SUCCESS vers. 6.60 M271 XTANDS.005 3/16/96

1/ 240 ft/feet [2100.00]

300.0 TRAVEL 200.0
USEC

0 TENS 5K
LBS

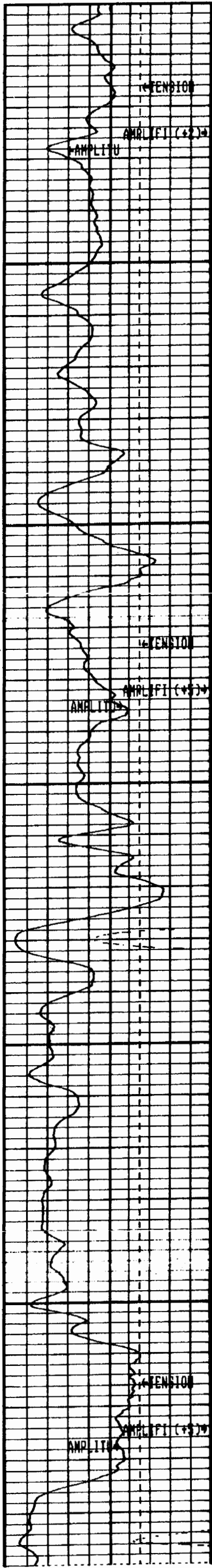


2200

2300

700? 4

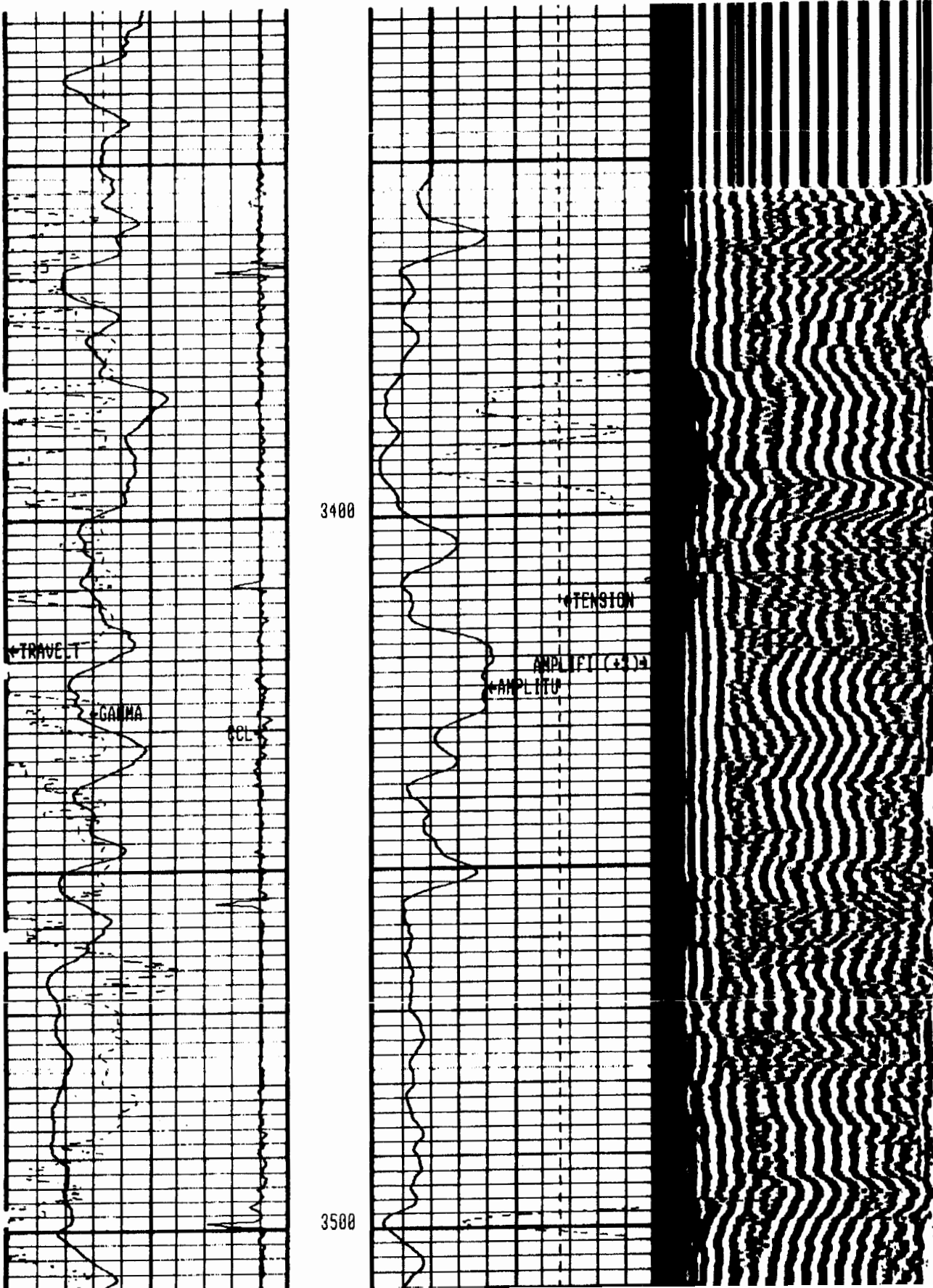
2400



0.0	GAMMA	100.0	0.0	AMPLIFI	10.0	
	API			MV		
0.0	CCL	10.0	0.0	AMPLITU	100.0200	MSG 1200
	MV			MV		USEC
LOG UP						
SHADED CURVE : GAMMA [GRAY > 100]						
1/ 240 ft/Feet [2400.00]						
Mode = Re-log Logged with SUCCESS vers. 6.60 M271 XTANDS.005 3/16/96						
Log Plotted with: SUCCESS Software Version : 6.60 - GENERAL RELEASE STD on 3/16/96 17:34						

PASS SHOWING D.V. TOOL # 2600 - 2603

Log Plotted with: SUCCESS Software Version : 6.60 - GENERAL RELEASE STD on 3/16/96 17:20						
Mode = Re-log Logged with SUCCESS vers. 6.60 M271 XTANDS.004 3/16/96						
1/ 240 ft/Feet [3320.50]						
SHADED CURVE : GAMMA [GRAY > 100]						
0.0	CCL	10.0	LOG UP	0.0	AMPLITU	100.0200
	MV				MV	MSG 1200
0.0	GAMMA	100.0		0.0	AMPLIFI	10.0
	API				MV	
300.0	TRAVELT	200.0			TENS	5K
	USEC				LBS	



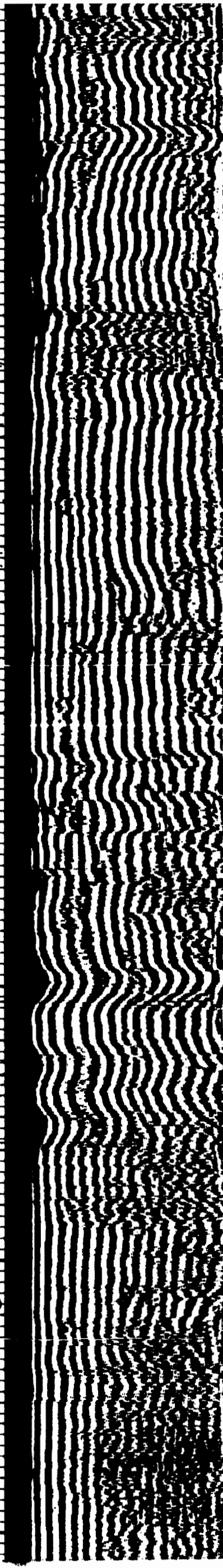
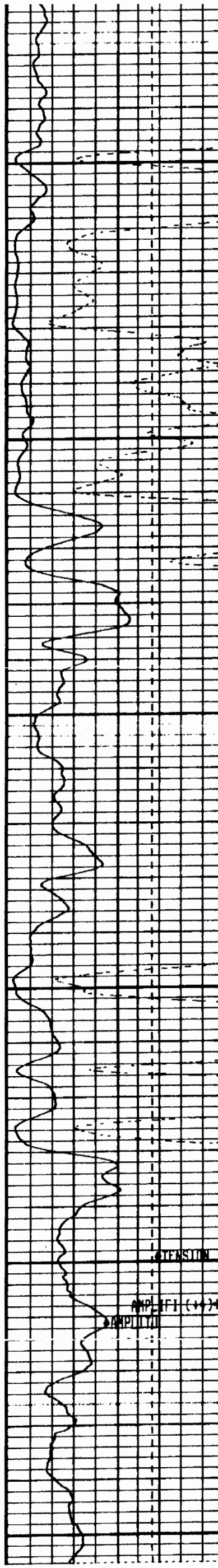


3500

3600

3700

DV 100 17



300.0 TRAVEL 200.0
USEC

0.0 GAMMA 100.0
API

0.0 CCL 10.0
MV

LOG UP

0 TENS 5K
LBS

0.0 AMPLIFI 10.0
MV

0.0 AMPLITU 100.0200
MV

MSG 1200
USEC

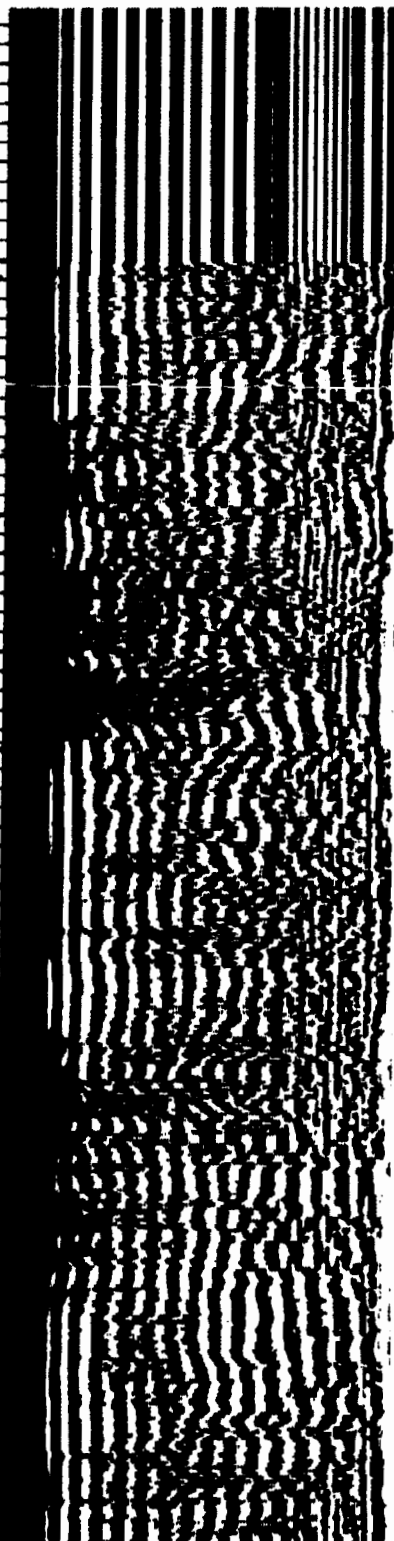
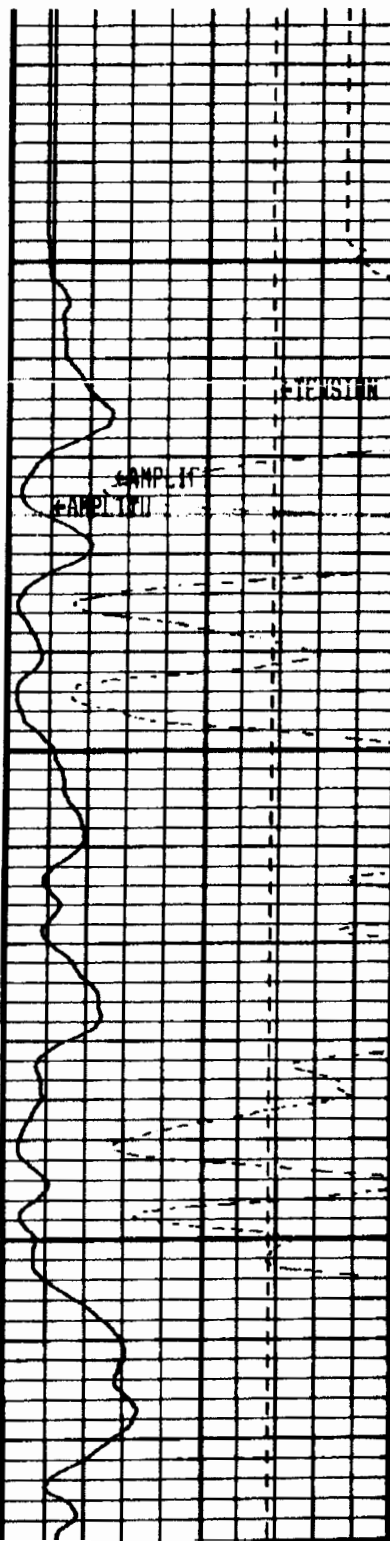
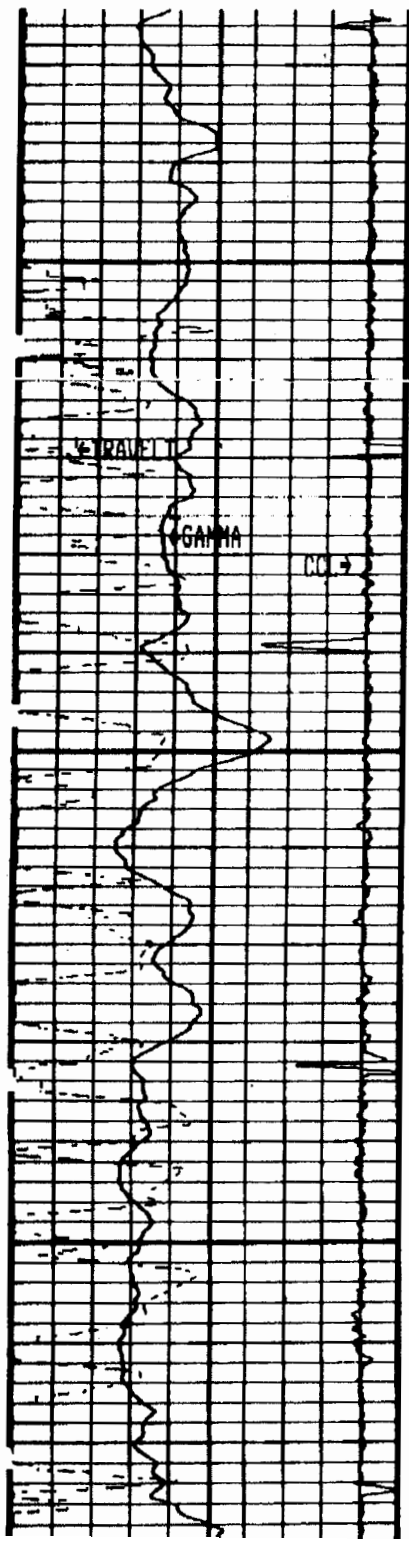
300.0	TRAVELT	200.0	0	TENS	5K
	USEC			LBS	
0.0	GAMMA	100.0	0.0	AMPLIFI	10.0
	API			MV	
0.0	CCL	10.0	0.0	AMPLITU	100.0200
	MV			MV	MSG
		LOG UP			1200
					USEC

SHADED CURVE : GAMMA [GRAY > 100]	
1/ 240	ft/Feet [3755.50]
Mode = Re-log Logged with SUCCESS vers. 6.60 M271 XTAND5.004 3/16/96	
Log Plotted with: SUCCESS Software Version : 6.60 - GENERAL RELEASE STD on 3/16/96 17:19	

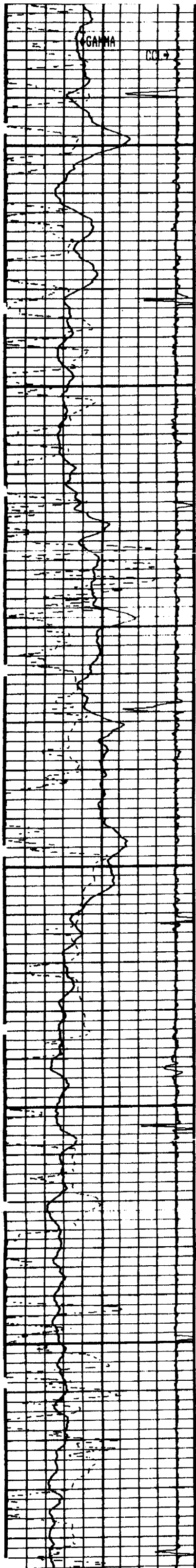
MAIN PASS
5" = 100'

Log Plotted with: SUCCESS Software Version : 6.60 - GENERAL RELEASE STD on 3/16/96 16:32	
Mode = Re-log Logged with SUCCESS vers. 6.60 M271 XTAND5.002 3/16/96	
1/ 240	ft/Feet [4424.50]
SHADED CURVE : GAMMA [GRAY > 100]	

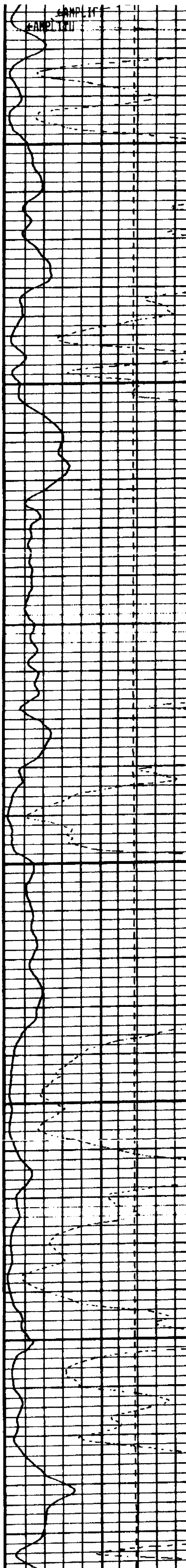
0.0	CCL	10.0	LOG UP	0.0	AMPLITU	100.0200	MSG	1200
	MV				MV		USEC	
0.0	GAMMA	100.0		0.0	AMPLIFI	10.0		
	API				MV			
300.0	TRAVELT	200.0			TENS	5K		
	USEC				LBS			



4500

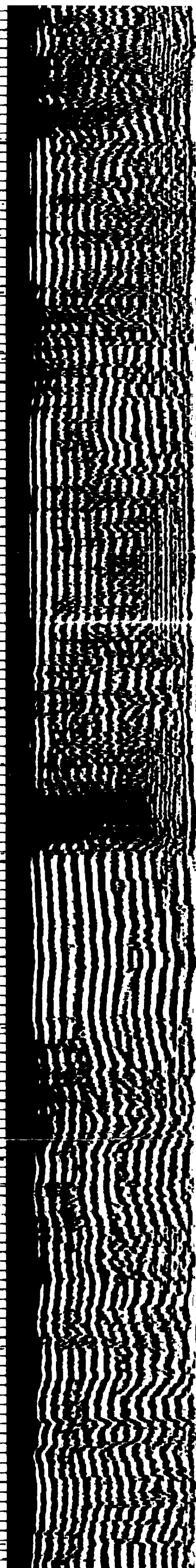


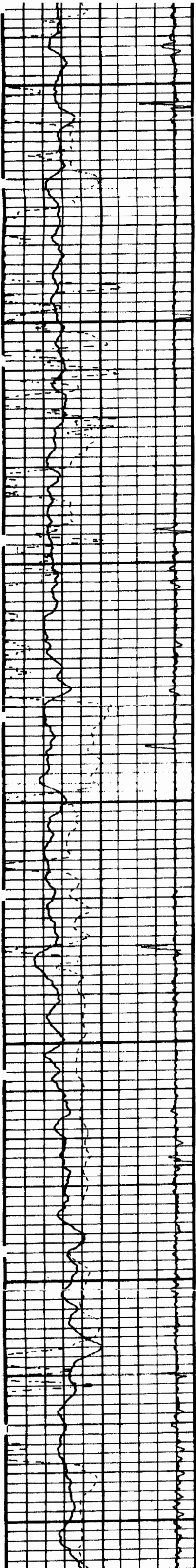
4500



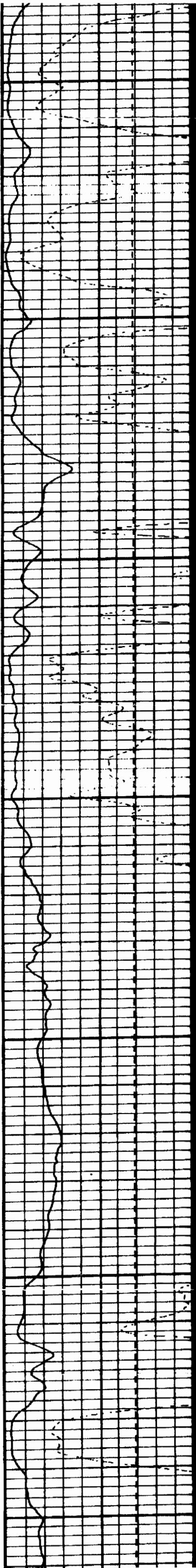
4600

4700

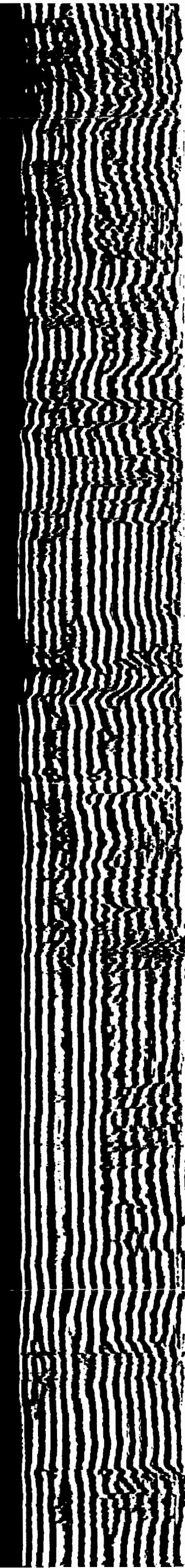




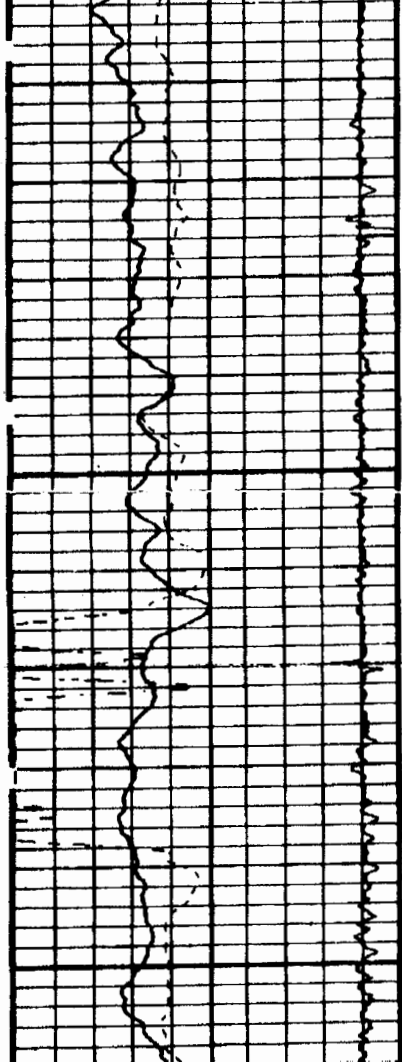
4700



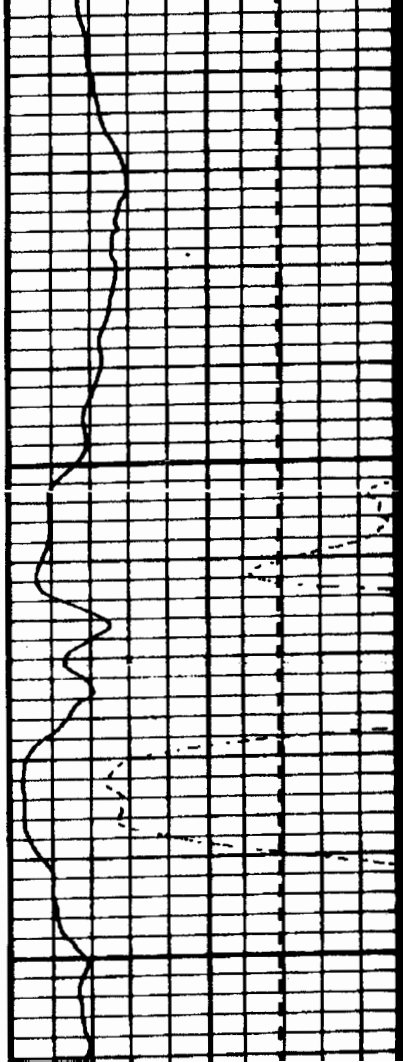
4800

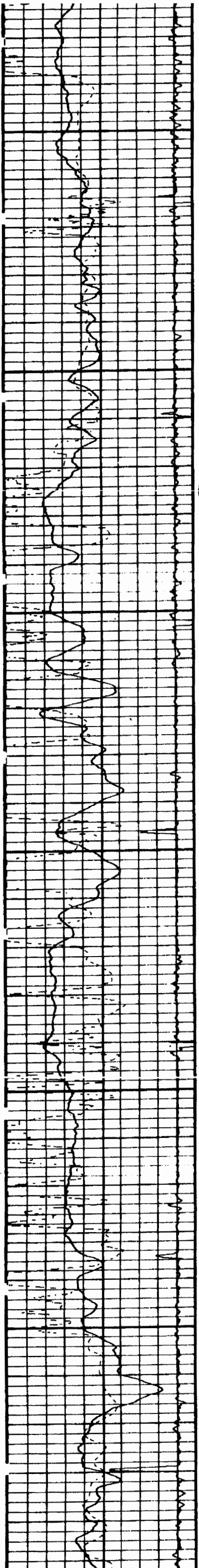


4900



5000





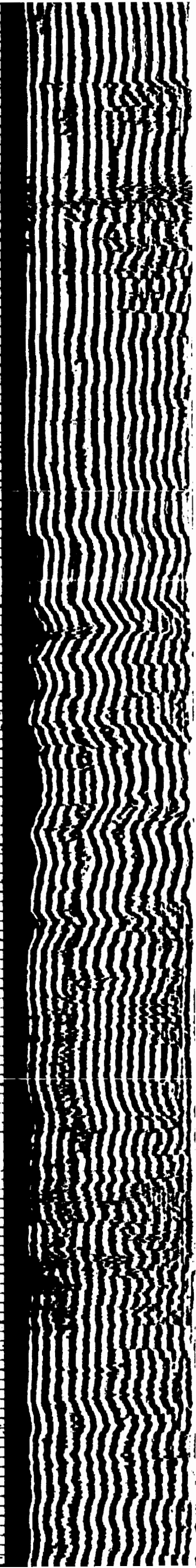
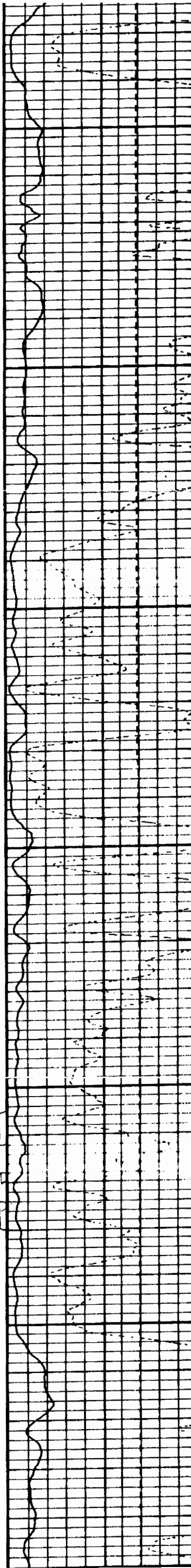
5000

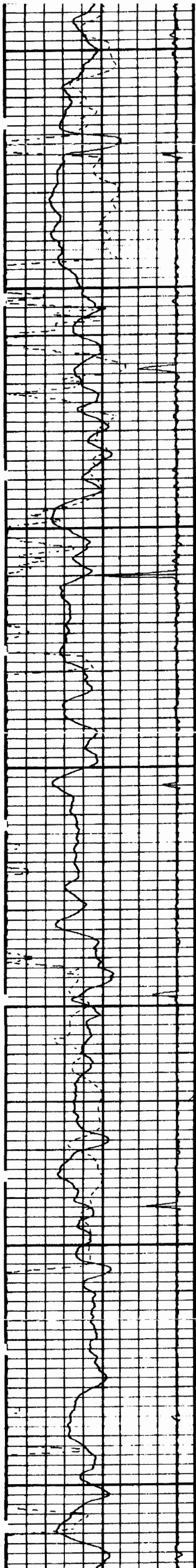
5

5100

5200

5 5300





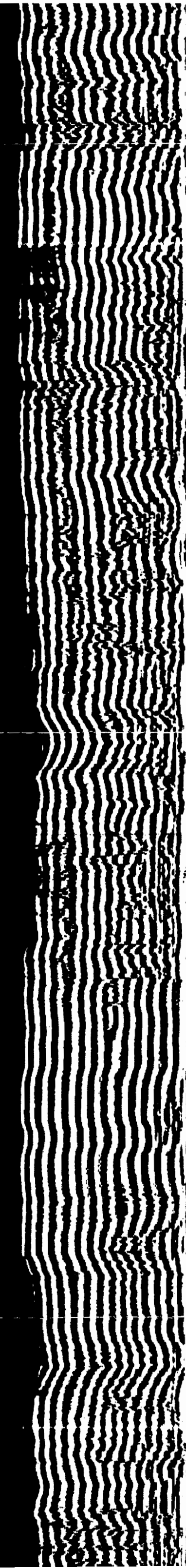
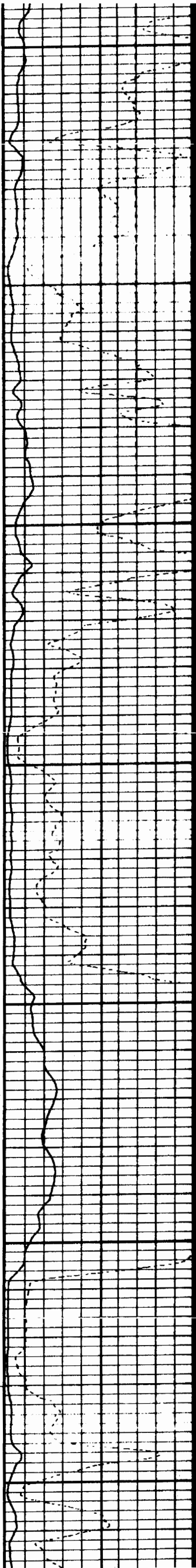
5300

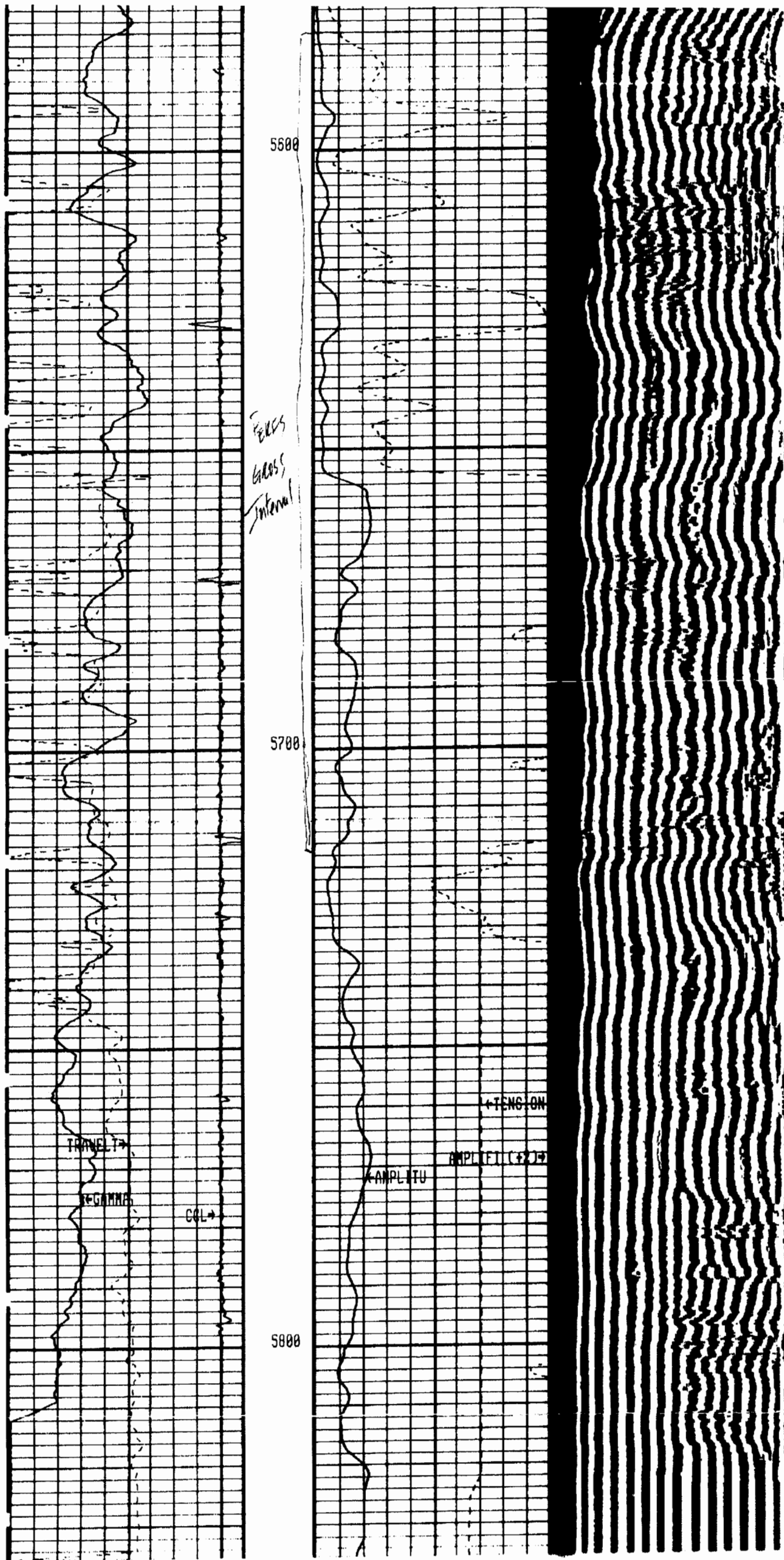
5

5400

5500

5600





300.0	TRAVELT	200.0	0	TENS	5K	
	USEC			LBS		
0.0	GAMMA	100.0	0.0	AMPLIFI	10.0	
	API			MV		
0.0	CCL	10.0	0.0	AMPLITU	100.0000	MSG
	MV					1200
		LOG UP				USEC

SHADED CURVE : GAMMA [GRAY > 100]	
1/ 240 ft/Feet	[5835.50]
Mode = Re-log	Logged with SUCCESS vers. 6.60 M271 XTAND5.002 3/16/96
Log Plotted with: SUCCESS Software Version : 6.60 - GENERAL RELEASE STD on 3/16/96 16:20	

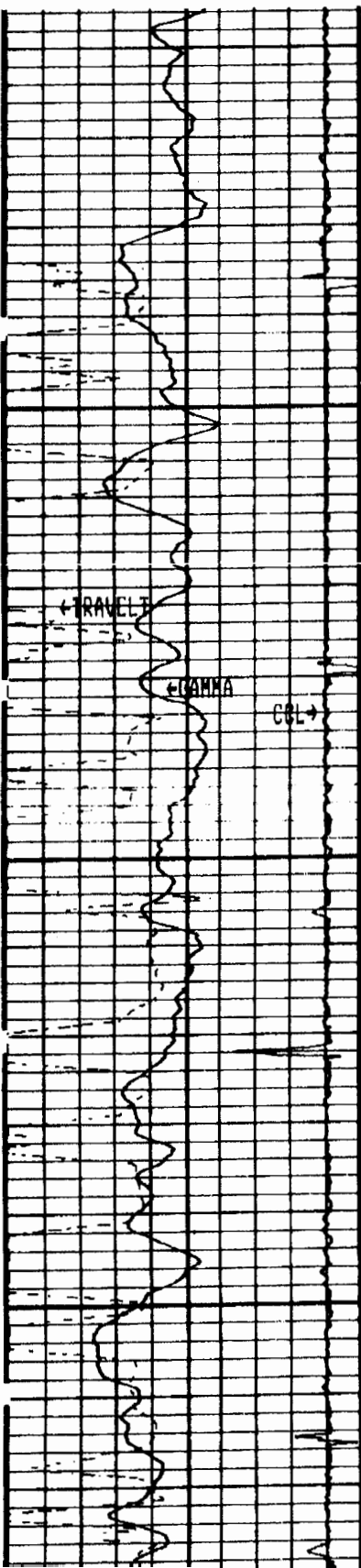
300.0	TRAVELT	200.0	0	TENS	5K
	USEC			LBS	
0.0	GAMMA	100.0	0.0	AMPLIFI	10.0
	API			MV	
0.0	CCL	10.0	0.0	AMPLITU	100.0200
	MV			MSG	1200
		LOG UP		USEC	

SHADED CURVE		: GAMMA [GRAY > 100]	
1/ 240 ft/Feet		[5835.50]	
Mode = Re-log		Logged with SUCCESS vers. 6.60 M271 XTANDS.002 3/16/96	
Log Plotted with: SUCCESS Software Version : 6.60		- GENERAL RELEASE STD on 3/16/96 16:28	

REPEAT SECTION
5" = 100'

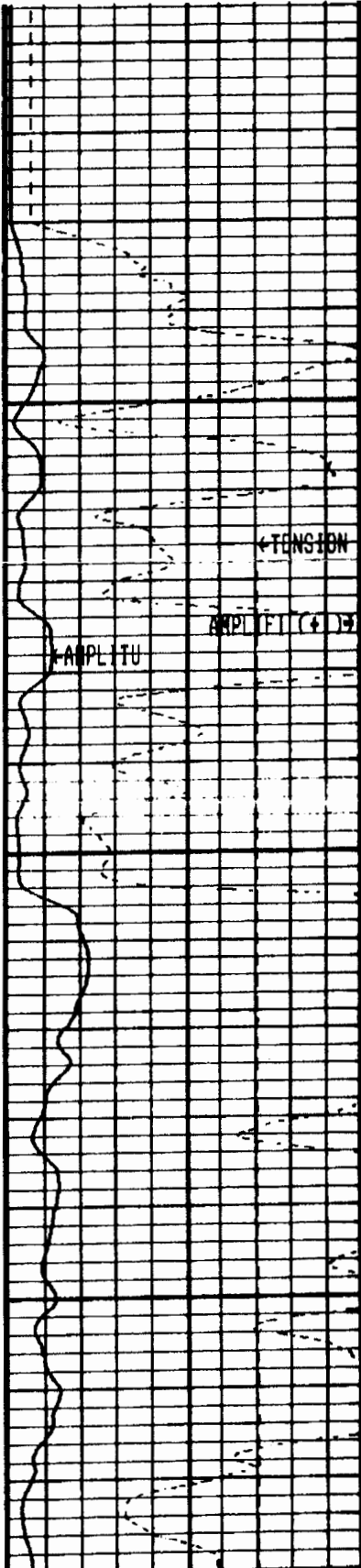
Log Plotted with: SUCCESS Software Version : 6.60					- GENERAL RELEASE STD on 3/16/96 16:27				
Mode = Re-log		Logged with SUCCESS vers. 6.60			M271 XTANDS.001		3/16/96		
1/ 240		ft/Feet		[5555.75]					
SHADED CURVE		:		GAMMA [GRAY > 100]					

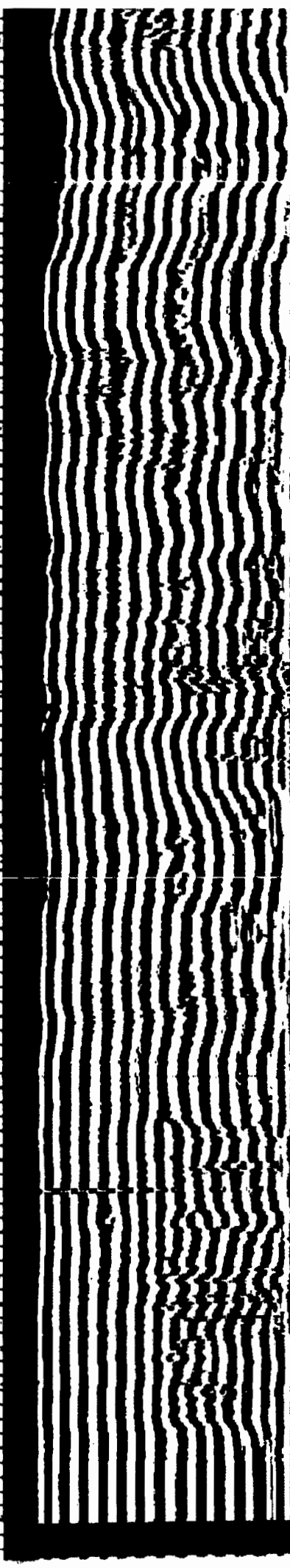
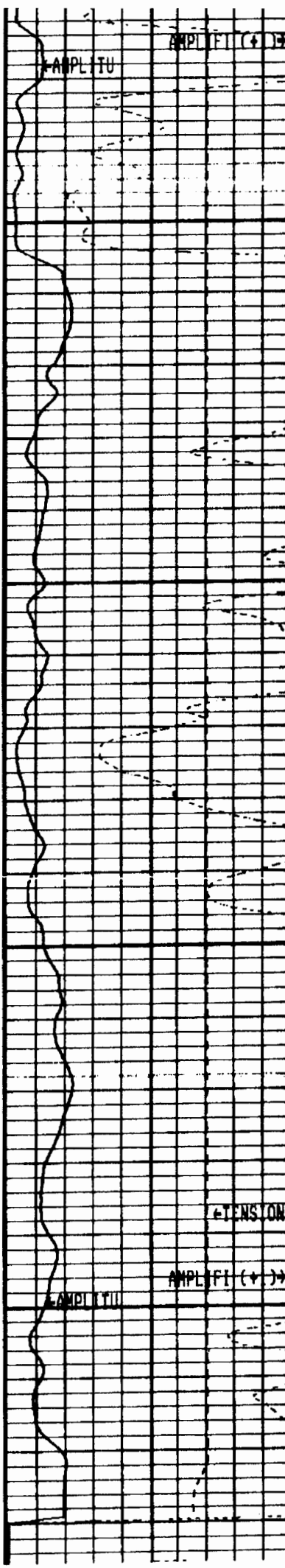
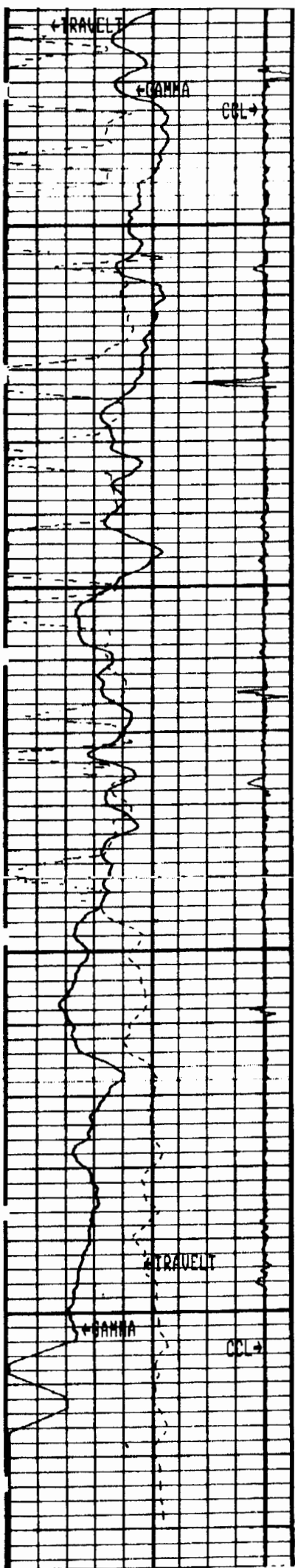
0.0	CCL	10.0	LOG UP	0.0	AMPLITU	100.0200	MSG	1200
	MV				MV		USEC	
0.0	GAMMA	100.0		0.0	AMPLIFI	10.0		
	API				MV			
300.0	TRAVELT	200.0		0	TENS	5K		
	USEC				LBS			



5600

5700





300.0	TRAVELT	200.0	0	TENS	50		
	USEC			LBS			
0.0	GAMMA	100.0	0.0	AMPLIFI	10.0		
	API			MV			
0.0	CCL	10.0	0.0	AMPLITU	100.0000	MSG	1200
	MV					USEC	

LOG UP							
SHADED CURVE : GAMMA [GRAY > 100]							
1/ 240 ft/Feet [5835.50]							
Mode = Re-log Logged with SUCCESS vers. 6.60 M271 XTANDS.001 3/16/96							
Log Plotted with: SUCCESS Software Version : 6.60 - GENERAL RELEASE STD on 3/16/96 16:45							

AFTER SURVEY CALIBRATE
3/16/1996 16:17:45

Ser. No.	Tool	Units	Ap1	Read1	Ap2	Read2	Norm.	Int.
102780001	CCL	MV		0.0000		0.0000	0.00370	0.00000

300.0	TRAVELT	200.0	0	TENS	5K
	USEC			LBS	
0.0	GAMMA	100.0	0.0	AMPLIFI	10.0
	API			MV	
0.0	CCL	10.0	0.0	AMPLITU	100.0200
	MV			MV	
LOG UP			MSG 1200		
			USEC		

SHADED CURVE : GAMMA [GRAY > 100]	
1/ 240 ft/Feet	[5835.50]
Mode = Re-log Logged with SUCCESS vers. 6.60 M271 XTANDS.001 3/16/96	
Log Plotted with: SUCCESS Software Version : 6.60 - GENERAL RELEASE STD ON 3/16/96 10:20	

AFTER SURVEY CALIBRATE
3/16/1996 16:17:45

Ser. No.	Tool	Units	Ap1	Read1	Ap2	Read2	Norm.	Int.
107789CCL	CCL	MV		0.0000		0.0000	0.00370	0.00000
107789GR	GAMMA	API	16.399	396.4950	216.399	5232.0250	0.04136	0.00000
107789AMP	AMPLITU	MV	.5	2059.0000	72.	3790.0000	0.04131	2046.89510
107789AAP	AMPLIFI	MV		0.0000		0.0000	0.04131	2046.89510
107789TT	TRAVELT	USEC		0.0000		0.0000	1.00000	0.00000
3	CABLESP	FT/MIN		0.0000		0.0000	1.00000	0.00000
107789MSG	MSG	USEC		0.0000		0.0000	1.00000	0.00000
5	TENSION	LBS		0.0000		0.0000	0.63327	2047.01000

BEFORE SURVEY CALIBRATE
3/16/1996 13:18: 6

Ser. No.	Tool	Units	Ap1	Read1	Ap2	Read2	Norm.	Int.
107789CCL	CCL	MV		0.0000		0.0000	0.00370	0.00000
107789GR	GAMMA	API	15.923	402.0425	215.923	5451.8675	0.03961	0.00000
107789AMP	AMPLITU	MV		0.0000		0.0000	0.02741	2045.45560
107789AAP	AMPLIFI	MV		0.0000		0.0000	0.02741	2045.45560
107789TT	TRAVELT	USEC		0.0000		0.0000	1.00000	0.00000
3	CABLESP	FT/MIN		0.0000		0.0000	1.00000	0.00000
107789MSG	MSG	USEC		0.0000		0.0000	1.00000	0.00000
5	TENSION	LBS		0.0000		0.0000	0.63327	2047.01000

SHOP CALIBRATION AMPLITU Serial Number - 107789AMP
CALIBRATION LAST PERFORMED - 3/16/1996 @ 13:41: 0

MEASUREMENT POINT #1 = .5 TOOL = 2059.0000
MEASUREMENT POINT #2 = 72. TOOL = 3790.0000

Normalizer = 0.04131 Intercept = 2046.89510

SHOP CALIBRATION GAMMA Serial Number - 107789GR
CALIBRATION LAST PERFORMED - 2/25/1996 @ 8:12:25

MEASUREMENT POINT #1 = 18.591 P TOOL = 423.3567
MEASUREMENT POINT #2 = 248.591 P TOOL = 5661.0700

Normalizer = 0.04391 Intercept = 0.00000