

October 8, 1981

Cotton Petroleum Corporation
717 - 17th Street, #2200
Denver, CO 80202

Administrative Order No. DHC 3-4

Gentlemen:

In accordance with the provisions of Division Order No. R-6564, approval is hereby granted for the commingling of the below listed zones within the wellbore of your Apache #26, K-13-24N-4W.

Allocation of production from the well shall be on the following basis:

Pictured Cliffs	70% gas
Chacra	30% gas

This order may be rescinded by the Division Director if waste or reservoir damage results or if conditions render the installation no longer eligible for downhole commingling.

Yours truly,

Frank T. Chavez
District Supervisor

FTC:gc

xc: Mr. Richard Stamets, Oil Conservation Division, Santa Fe
Transporters: El Paso Natural Gas
✓DHC File

Cotton Petroleum Corporation

A United Energy Resources, Inc. Company

717-17th Street Energy Center One—Suite 2200, Denver, Colorado 80202 (303) 893-2233



August 21, 1981

Mr. Frank Chavez
District Engineer
New Mexico Oil Conservation Commission
1000 Rio Brazos Road
Aztec, NM 87401

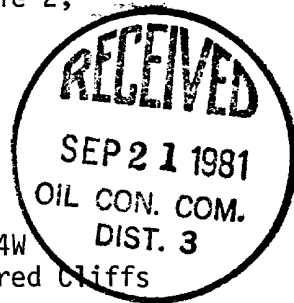
Dear Mr. Chavez:

The following well information is that which is required for downhole commingling of the Chacra and Pictured Cliffs Formation, under Rule 2, Paragraphs A-F, of NMOCD Order No. R-6564.

- Paragraph A) Cotton Petroleum Corporation
717 17th Street, Suite 2200
Denver, CO 80202
- Paragraph B) Apache #26
1845' FWL & 1520' FSL, Section 13-T24N-R4W
Pools to be commingled; Chacra and Pictured Cliffs
- Paragraph C) Copies of open hole logs, see Attachment No. 1
- Paragraph D) Wellbore sketches, see Attachment No. 2
- Paragraph E) Flow test and pressure, see Attachment No. 3
- Paragraph F) Formula for the allocation of productions:
The Chacra was tested separately with an actual deliverability of 42 MCFD @ 158 psi FTP. The pictured Cliff was then completed and commingled. The commingled deliverability was 100 MCFD @ 150 psi FTP.

$$\text{Pictured Cliffs allocation} = \frac{100 - 42}{142} = 70\%$$

$$\text{Chacra allocation} = \frac{42}{142} = 30\%$$

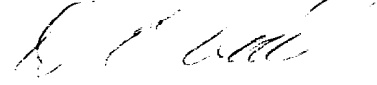


Page Two
August 21, 1981

If any additional information is neccessary, please contact Mr. Dave Talbott of our office.

Sincerely,

COTTON PETROLEUM CORPORATION



D.E. WOOD
Division Production Manager

DMT/vl



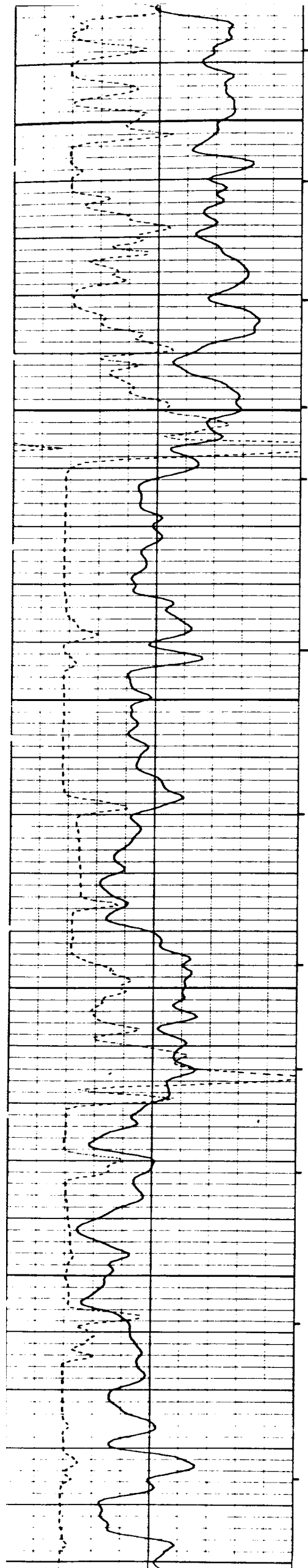
Schlumberger

SIMULTANEOUS
COMPENSATED NEUTRON-
FORMATION DENSITY

COUNTY <u>RIO ARriba, N.M.</u>	COMPANY <u>COTTON PETROLEUM CORPORATION</u>
FIELD <u>WILDCAT</u>	WELL <u>APACHE #26</u>
LOCATION <u>APACHE #26</u>	FIELD <u>WILDCAT</u>
WELL <u>APACHE #26</u>	COUNTY <u>RIO ARriba STATE NEW MEXICO</u>
COMPANY <u>COTTON PETROLEUM CORP.</u>	LOCATION <u>1850' FSL & 820' FWL</u>
	Other Services: <u>I-SFL</u>
API SERIAL NO. <u>13</u>	SEC. <u>24</u>
TWP. <u>N</u>	RANGE <u>4 W</u>
Permanent Datum: <u>G.L.</u> ; Elev.: <u>6838</u>	
Log Measured From <u>K.B.</u> , <u>14</u> Ft. Above Perm. Datum	
Drilling Measured From <u>K.B.</u>	
Elev.: K.B. <u>6852</u>	
D.F. <u>6851</u>	
G.L. <u>6838</u>	
Date	<u>12-27-80</u>
Run No.	<u>ONE</u>
Depth-Driller	<u>4120</u>
Depth-Logger	<u>4112</u>
Btm. Log Interval	<u>4112</u>
Top Log Interval	<u>4112</u>
Casing-Driller	<u>8' 5 1/2" @ 38'</u>
Casing-Logger	<u>38'</u>
Bit Size	<u>7 7/8</u>
Type Fluid in Hole	<u>FGM</u>
Dens.	<u>9.2</u>
Visc.	<u>60</u>
pH	<u>8.3</u>
Fluid Loss	<u>6</u> ml
Source of Sample	<u>FLOWLINE</u>
Rm @ Meas. Temp.	<u>3.8 @ 52 °F</u>
Rmf @ Meas. Temp.	<u>3.7 @ 52 °F</u>
Rmc @ Meas. Temp.	<u>@ °F</u>
Source: Rmf	<u>M</u>
Rmc	<u>@ °F</u>
Rm @ BHT	<u>1.66 @ 119 °F</u>
Circulation Stopped	<u>1600 12-27</u>
Logger on Bottom	<u>0645 12-28</u>
Max. Rec. Temp.	<u>119 °F</u>
Equip.	<u>8206 FARM</u>
Location	<u>JOHNSON</u>
Recorded By	<u>ATTERBERY</u>
Witnessed By	

RECEIVED
@ SEP 21 1981
OIL CO. COM.
DIST. 3

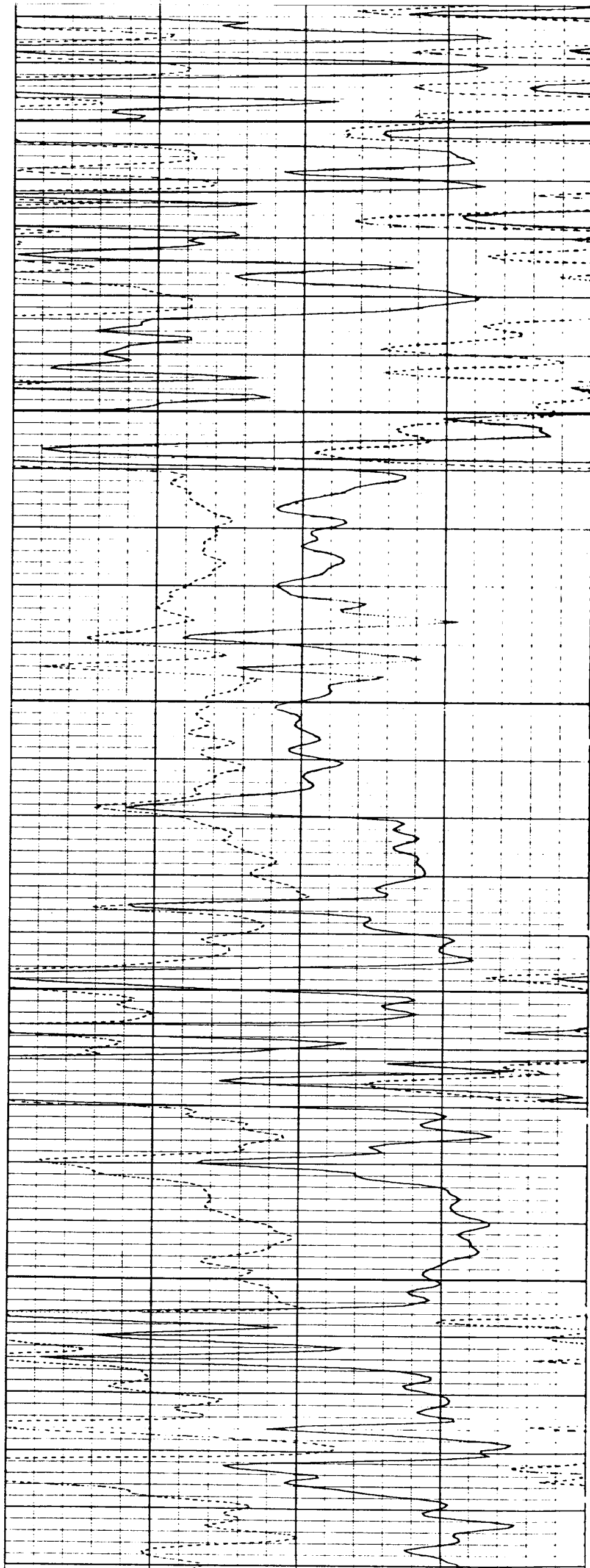
ATTACHMENT 1

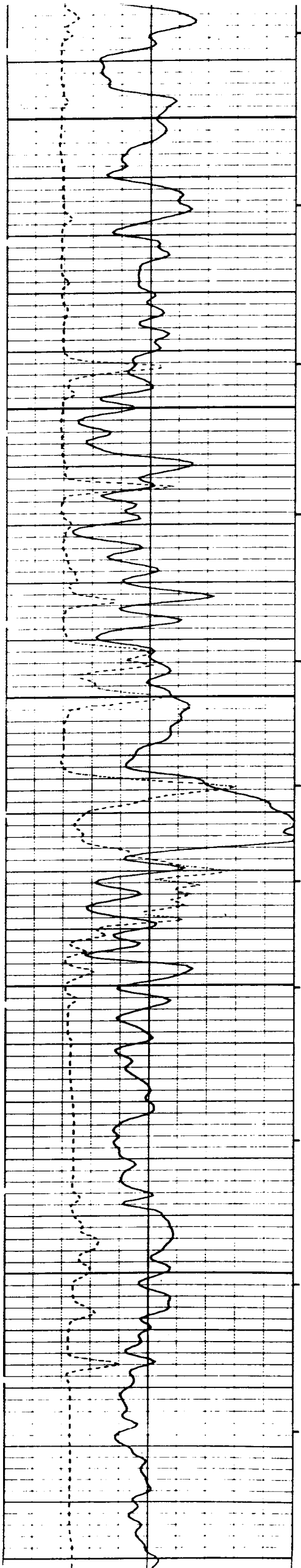


2600

2700

2800

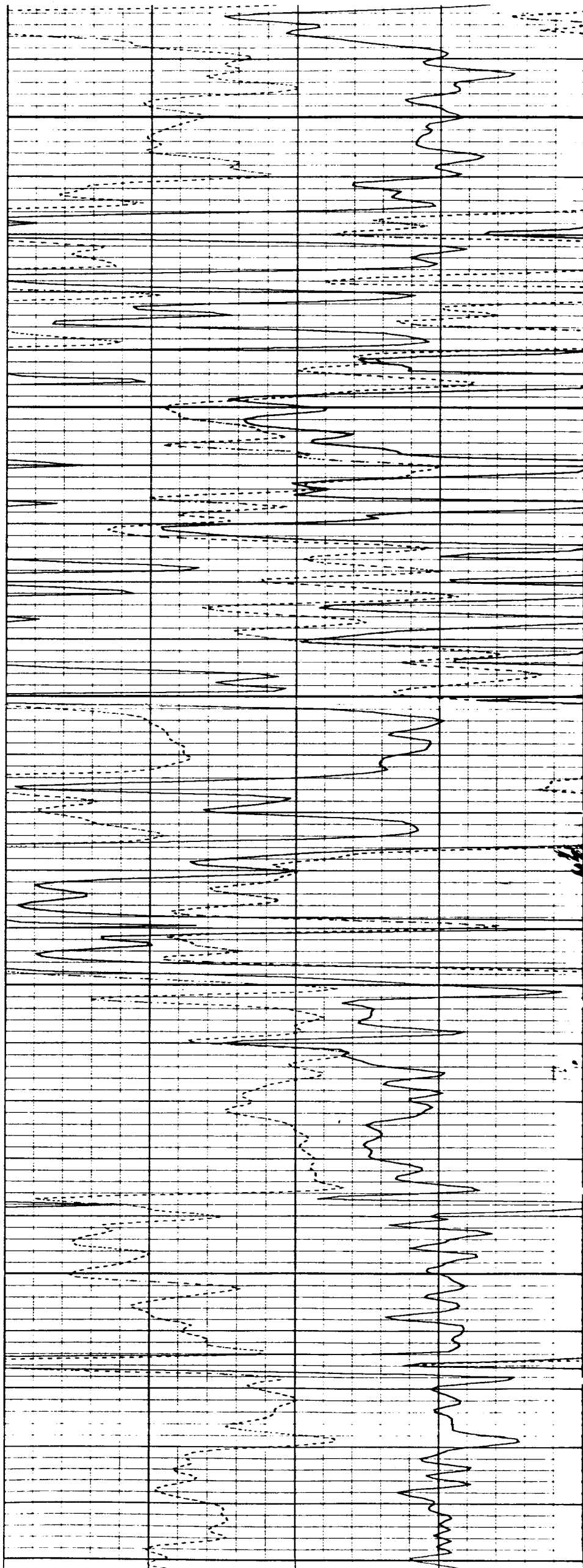


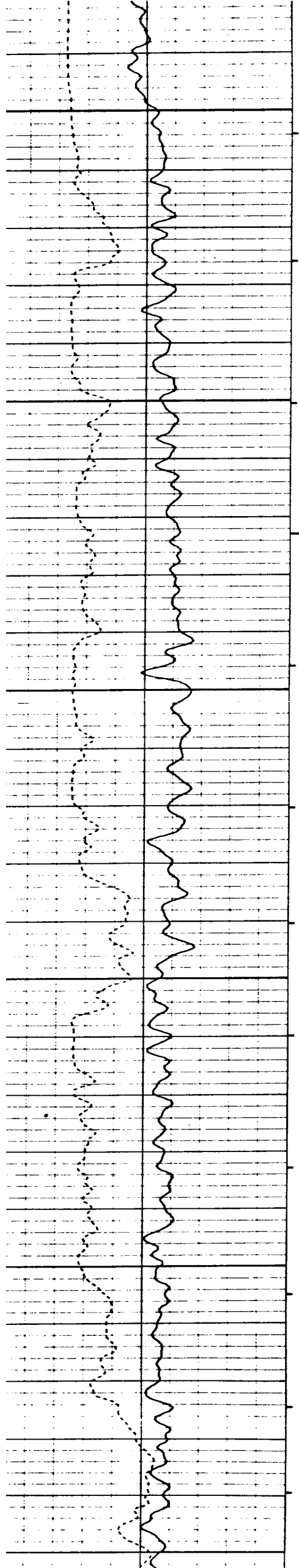


2800

2900

3000

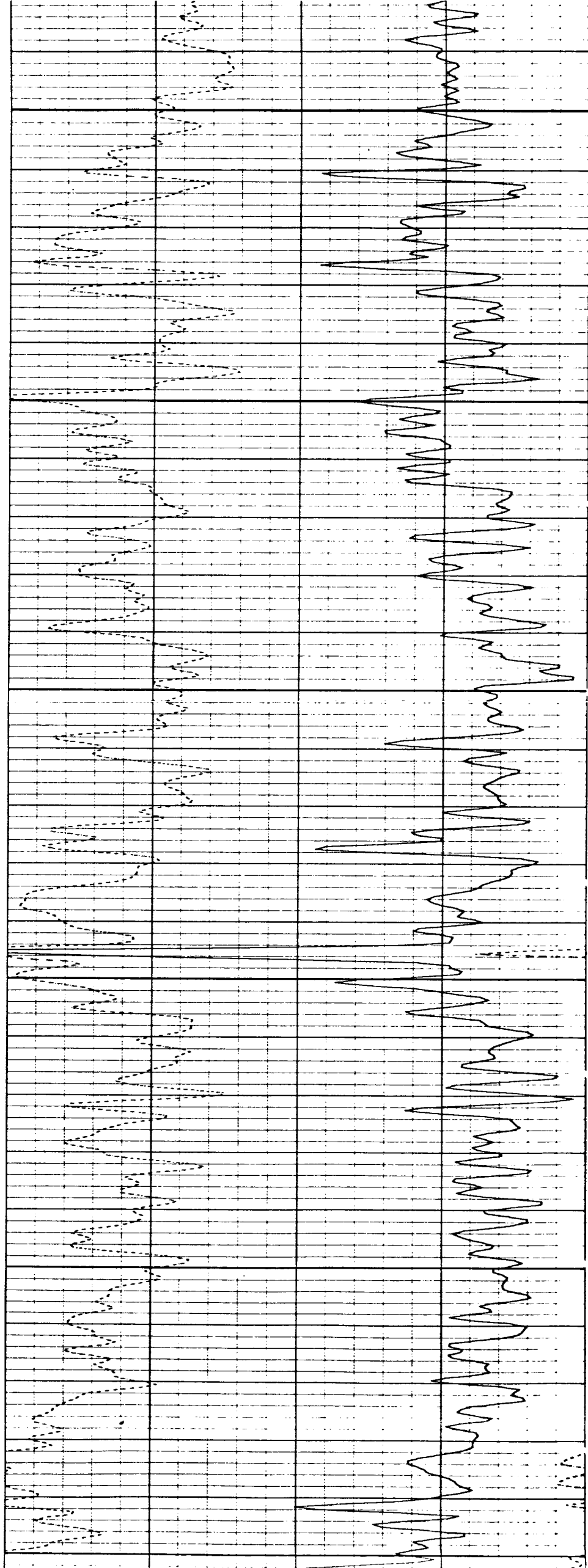


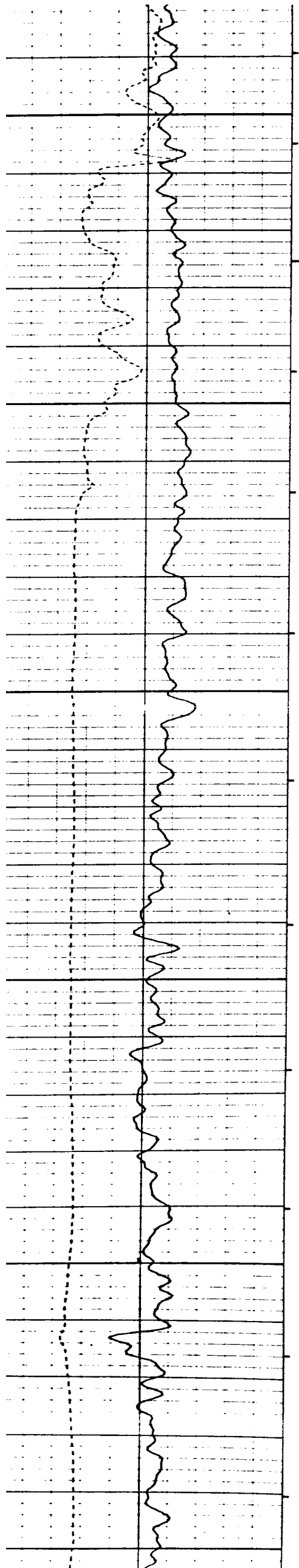


3100

3200

3300

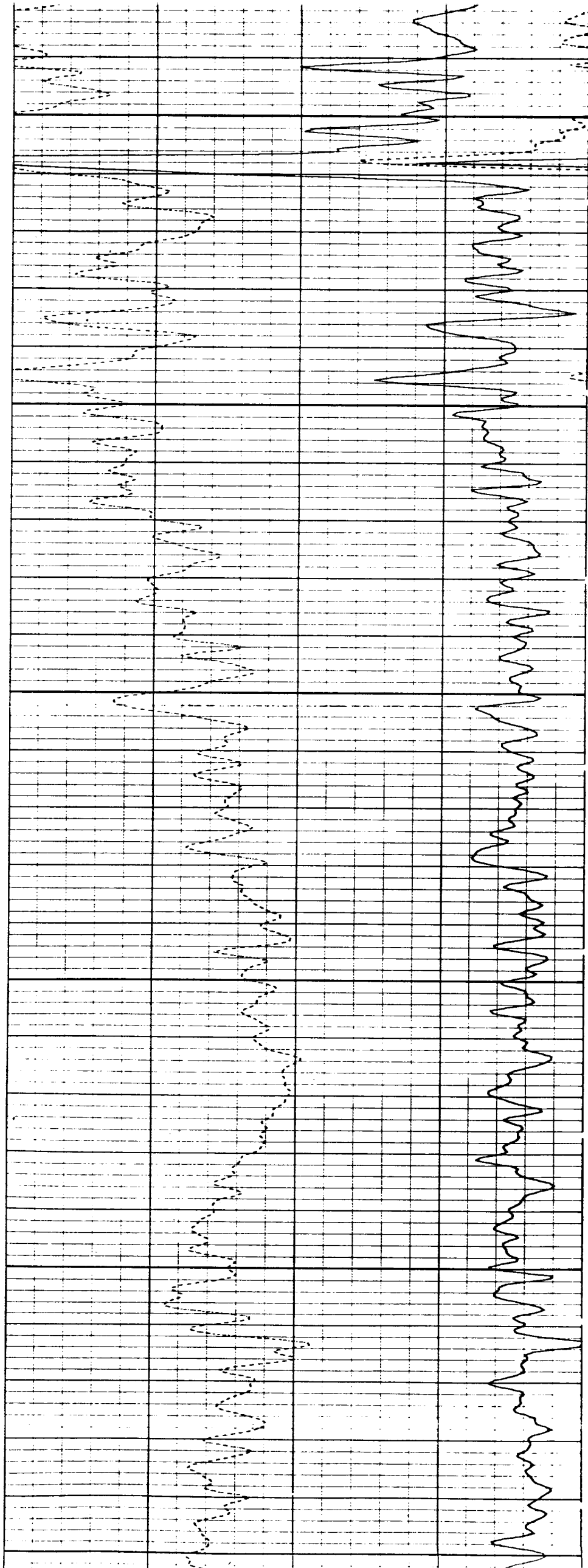


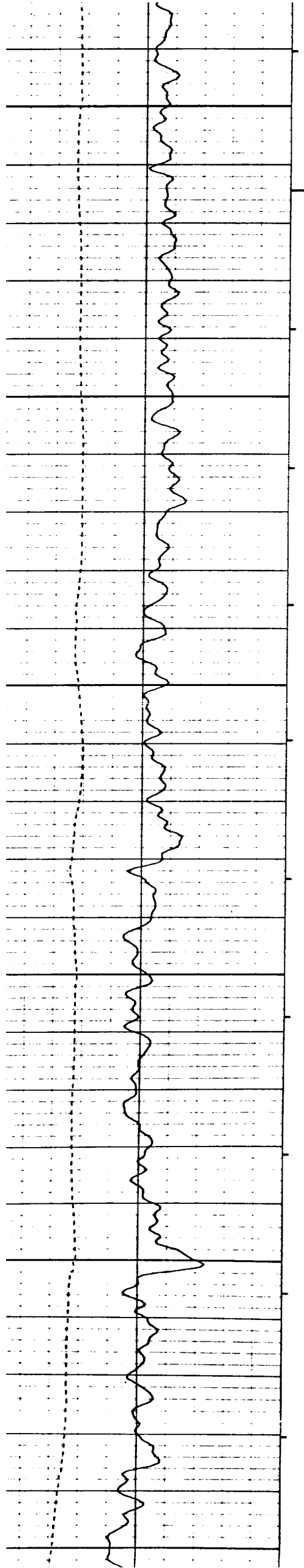


3300

3400

3500

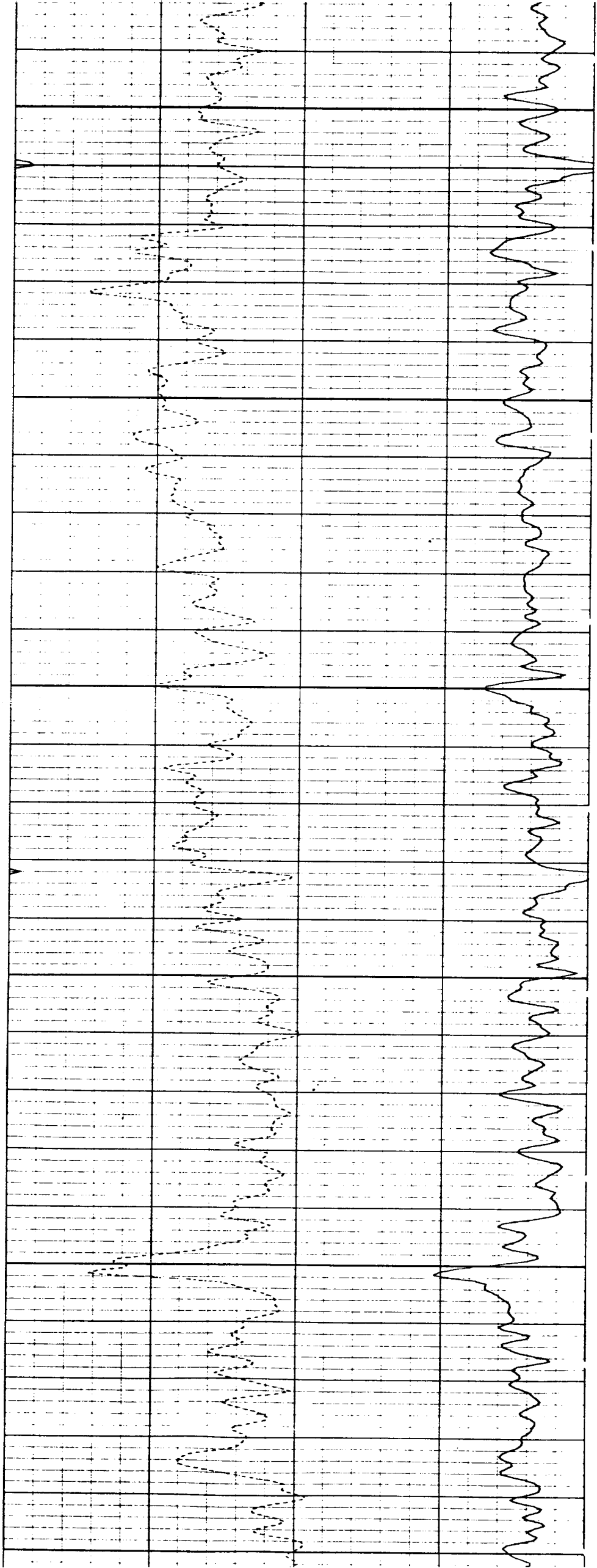


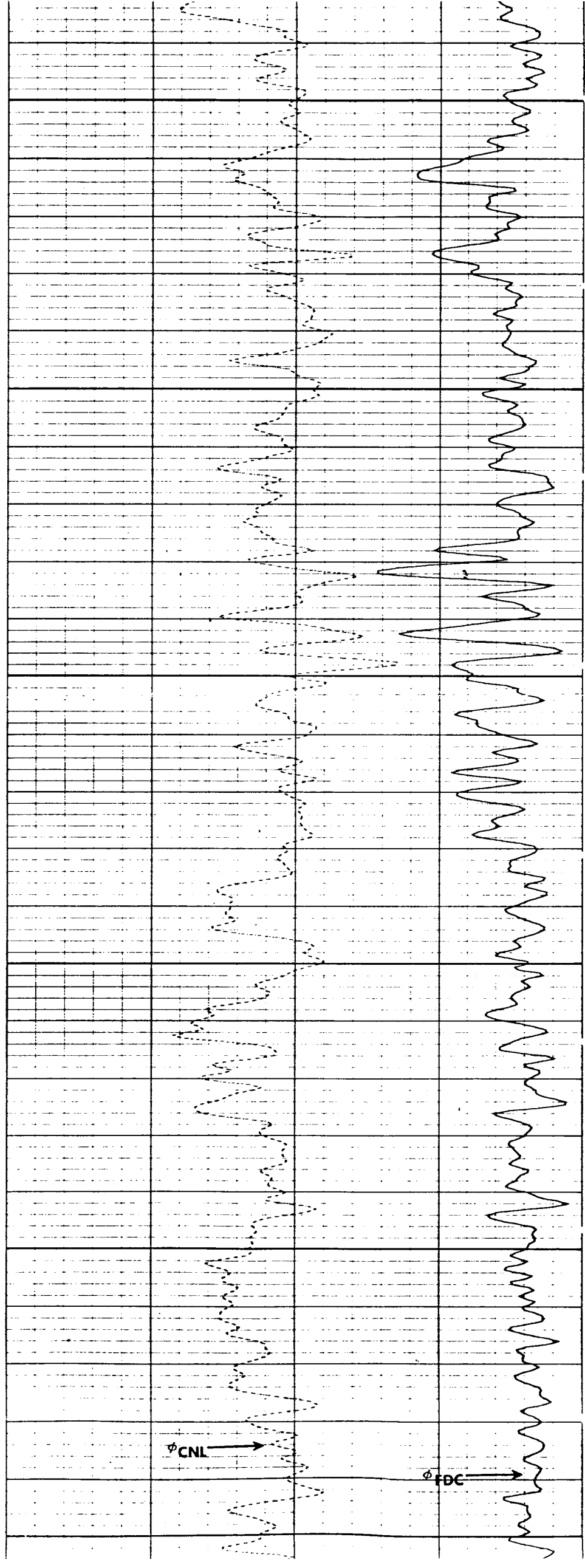
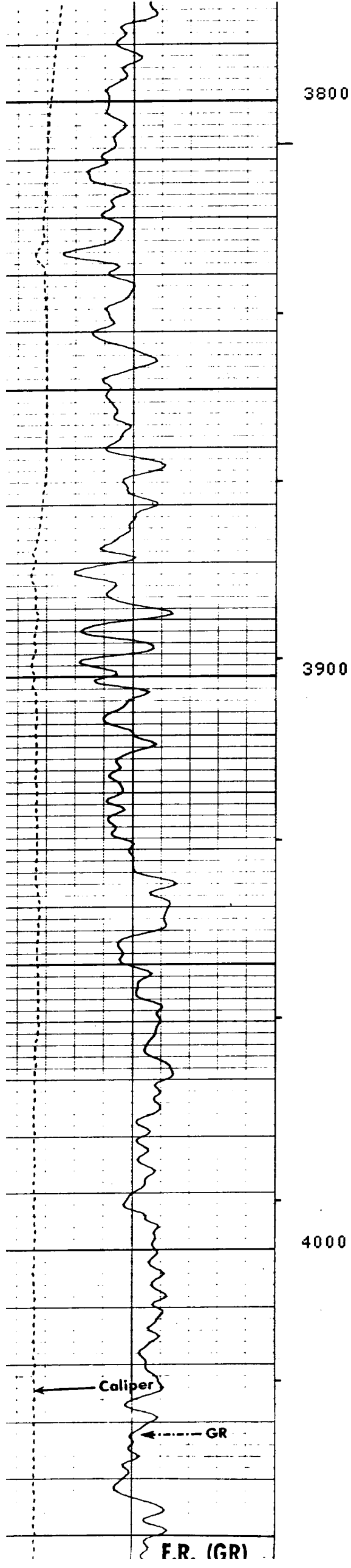


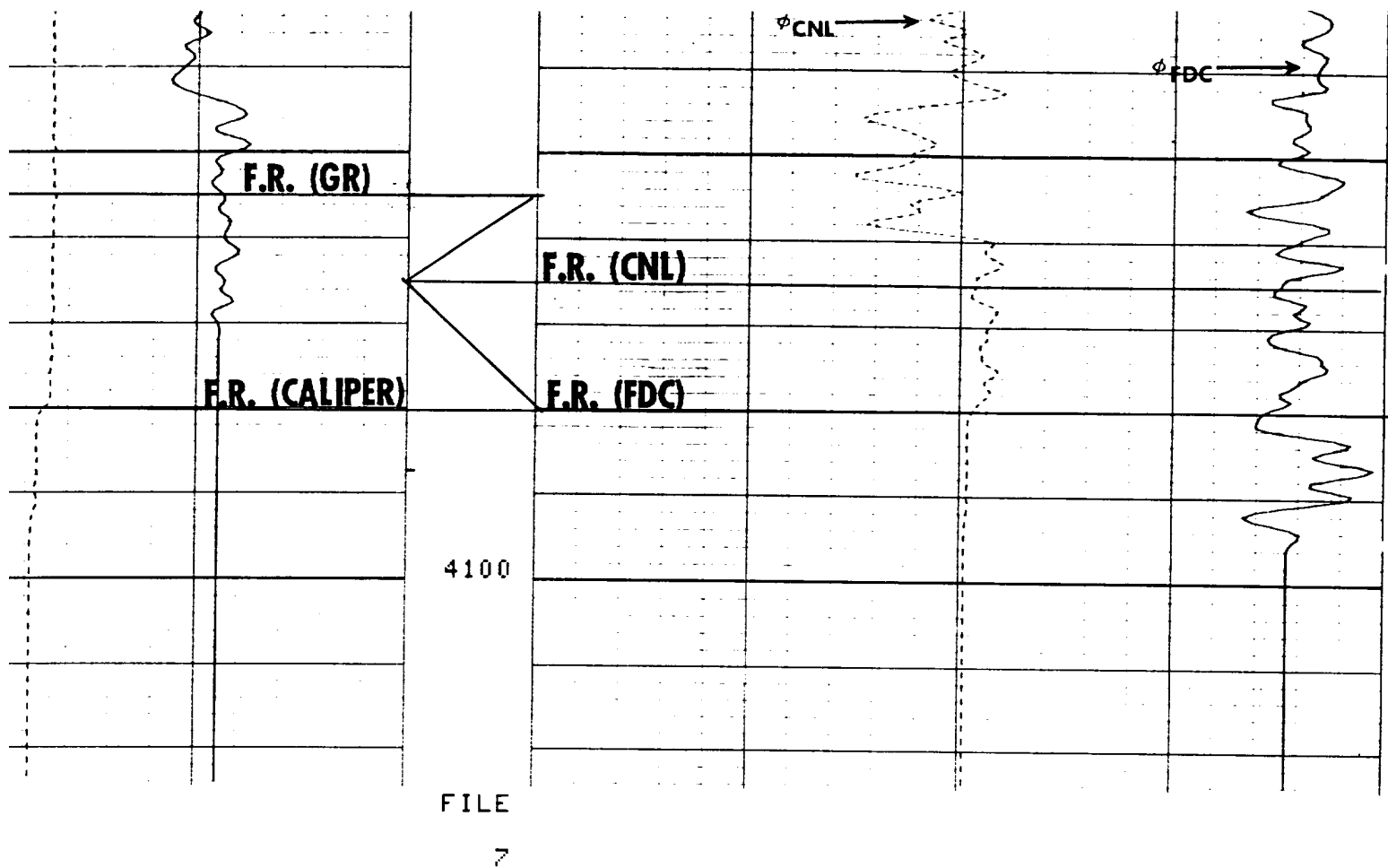
3600

3700

3800







CALI(IN)		DPHI()	
0.000 16.00		0.4000 0.0	
GR (GAPI)		NPHI()	
0 200.0		0.4000 0.0	

PARAMETERS

NAME	UNIT	VALUE	NAME	UNIT	VALUE	NAME	UNIT	VALUE
HC		CALI	PSNR		2.320	BS	INCH	7.875
MDEN	G/C3	2.650	FD	G/C3	1.000	MATR		SAND
DSEC	MM/M	6.160	BHF		WATE			
MSEC	MM/M	5.750	SBR	DHMM	1.000	FPHI		PHIX
DO		0.0	BHS		OPEN			

PARAMETERS

NAME	UNIT	VALUE	NAME	UNIT	VALUE	NAME	UNIT	VALUE
HC		CALI	PSNR		2.320	BS	INCH	7.875
MDEN	G/C3	2.650	FD	G/C3	1.000	MATR		SAND
DSEC	MM/M	6.160	BHF		WATE			
MSEC	MM/M	5.750	SBR	DHMM	1.000	FPHI		PHIX
DO		0.0	BHS		OPEN			

CALI(IN)		DPHI()	
0.000 16.00		0.4000 0.0	
GR (GAPI)		NPHI()	
0 200.0		0.4000 0.0	

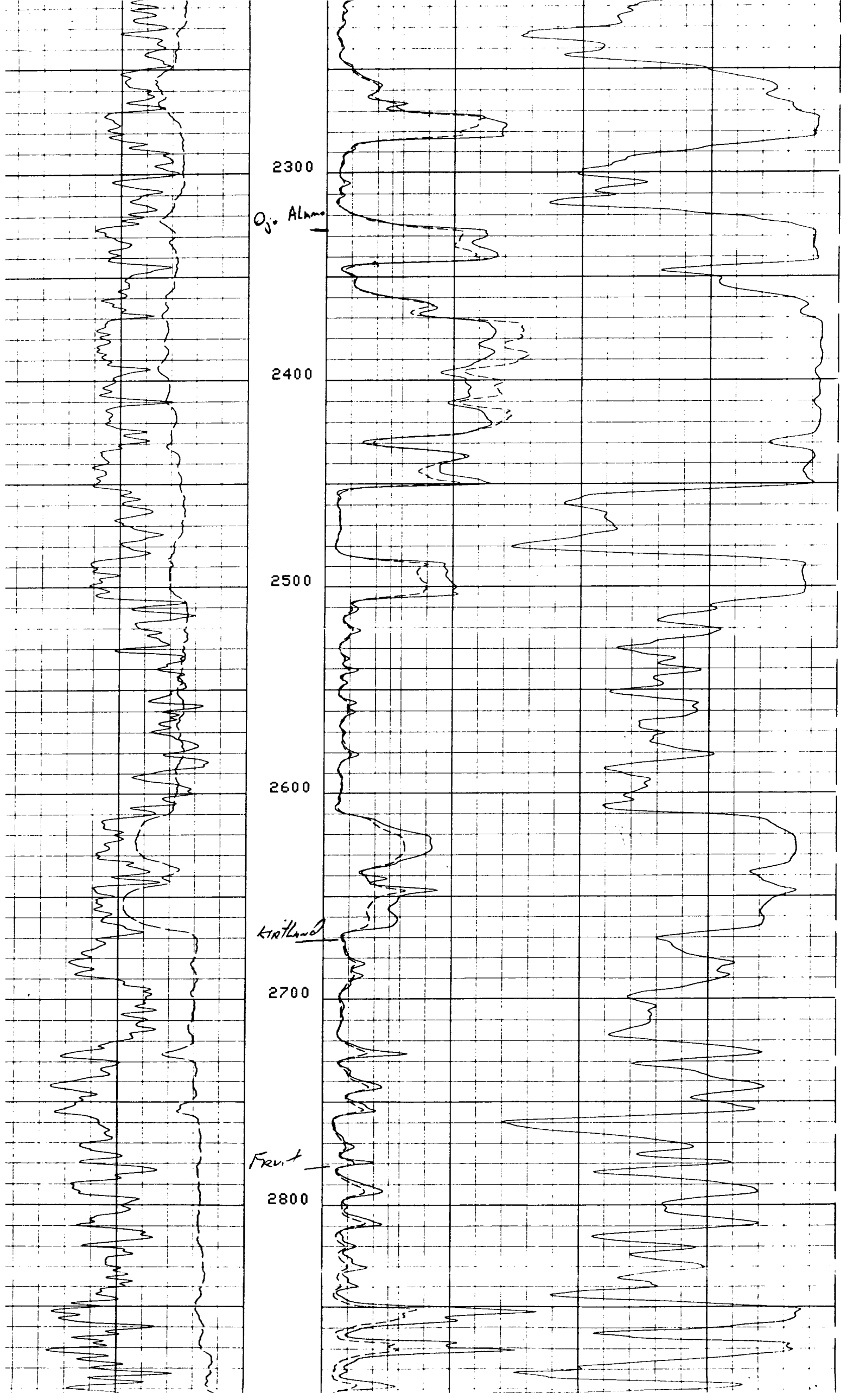


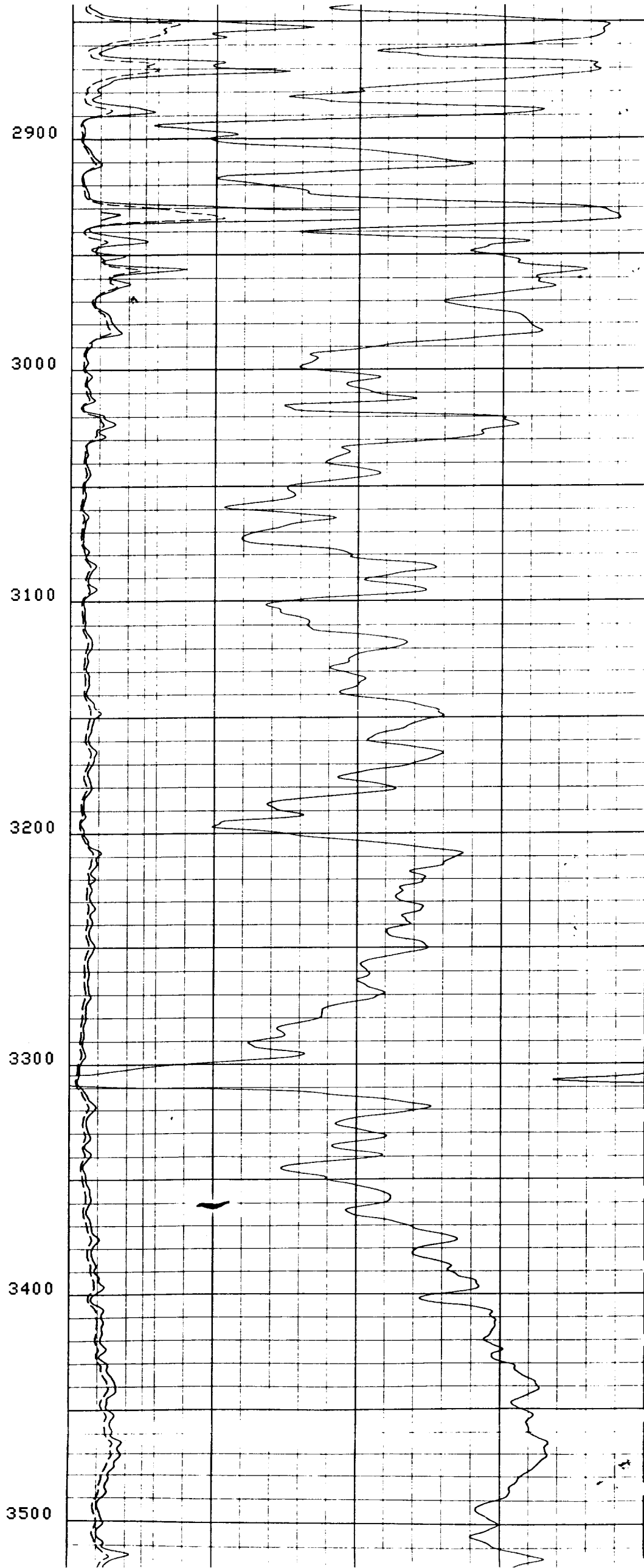
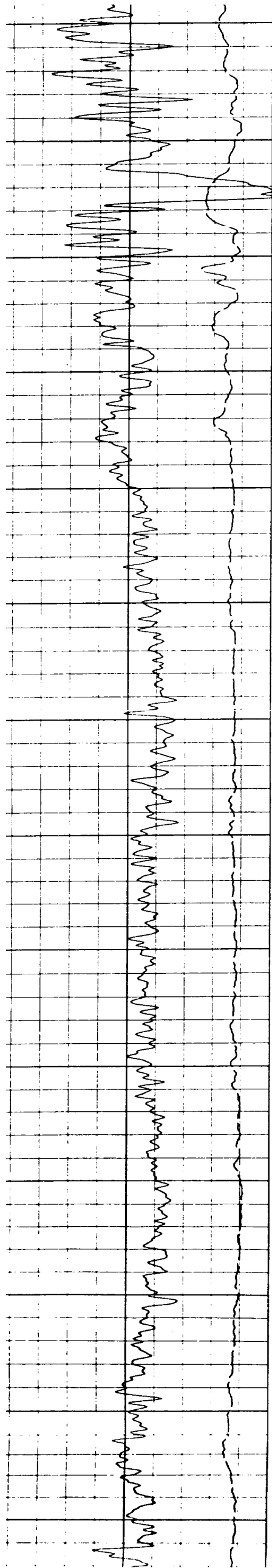
INDUCTION SPHERICALLY
FOCUSED LOG

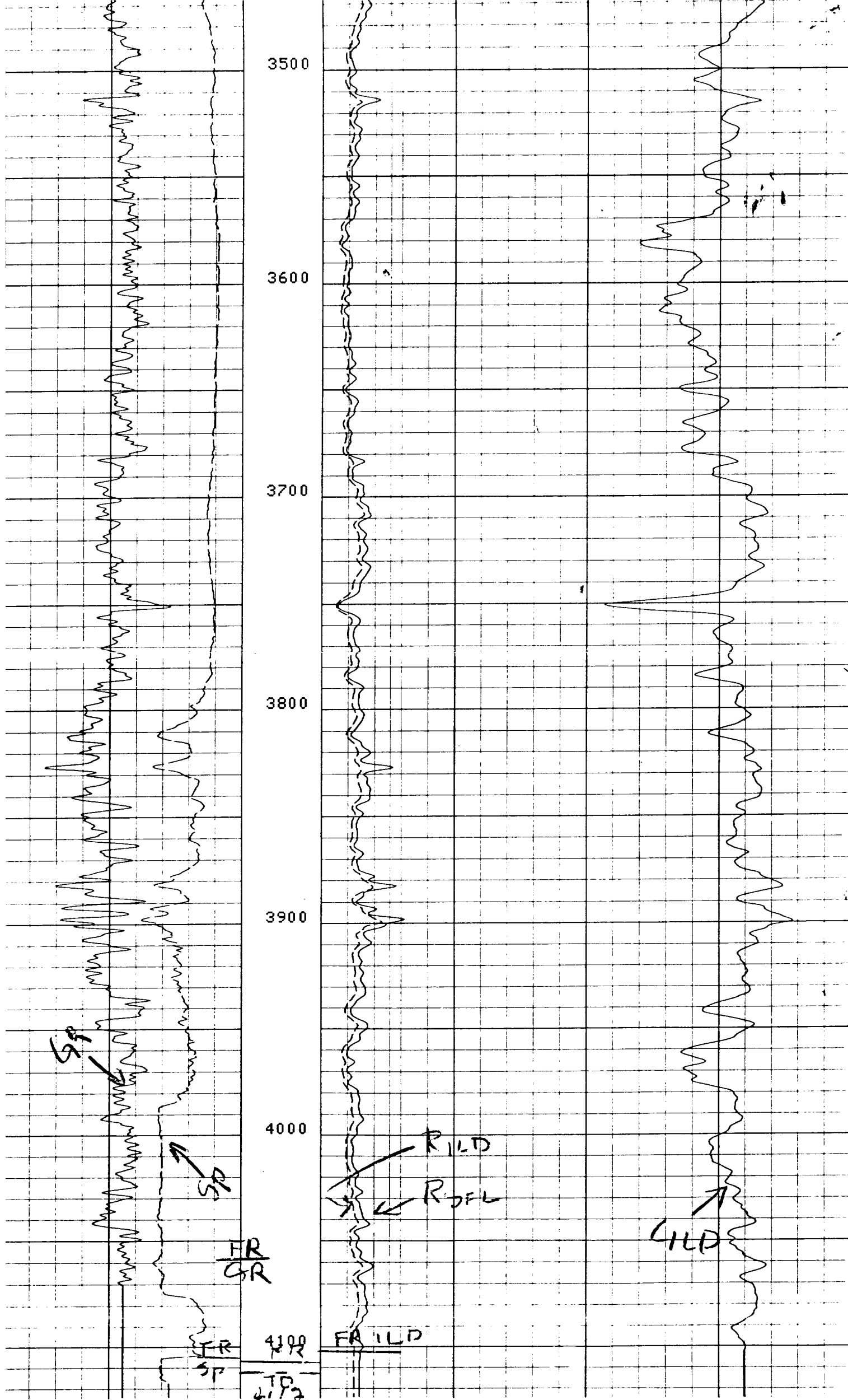
COUNTY	FIELD	LOCATION	WELL	COMPANY	COMPANY <u>COTTON PETROLEUM CORP</u>			
					WELL <u>APACHE # 26</u>			
					FIELD <u>WILD CAT</u>			
					COUNTY <u>RIO ARriba STATE NEW MEXICO</u>			
					LOCATION 1850' FSL 820' FWL		Other Services: FDX/CNL/GR cyberlook	
					API SERIAL NO	SEC 13	TWP 24N	RANGE 4W
					Permanent Datum: <u>G.L.</u> ; Elev.: <u>6838</u>			
					Log Measured From <u>KB</u> <u>14</u> Ft. Above Perm. Datum			
					Drilling Measured From <u>KB</u>			
					Elev.: K.B. <u>6852</u> D.F. <u>6851</u> G.L. <u>6838</u>			
Date	<u>12-27-80</u>							
Run No.	<u>ONE</u>							
Depth-Driller	<u>4120</u>							
Depth-Logger (Schl.)	<u>4112</u>							
Btm. Log Interval	<u>4106</u>							
Top Log Interval	<u>381</u>							
Casing-Driller	<u>8 3/8 @ 381</u>			(a)	(a)	(a)		
Casing-Logger	<u>381</u>							
Bit Size	<u>7 7/8</u>							
Type Fluid in Hole	<u>F G M</u>							
Dens.	Visc.	<u>9.2</u>	<u>60</u>					
pH	Fluid Loss	<u>8.2</u>	<u>6</u> ml		ml		ml	
Source of Sample	<u>FLOWLINE</u>							
Rm @ Meas. Temp.	<u>3.8</u>	@ <u>52</u> F		(a)	F	(a)	F	
Rmf @ Meas. Temp.	<u>3.7</u>	@ <u>52</u> F		(a)	F	(a)	F	
Rmc @ Meas. Temp.	<u>—</u>	@ <u>—</u> F		(a)	F	(a)	F	
Source: Rmf	Rmc	<u>MEAS</u>	<u>—</u>					
Rm @ BHT	<u>1.66</u>	@ <u>119</u> F		(a)	F	(a)	F	
Circulation Stopped	<u>1600 @ 12-27</u>							
Logger on Bottom	<u>0645 @ 12-28</u>							
Max. Rec. Temp.	<u>119</u>	F		F		F	F	
Equip.	Location	<u>8206</u>	<u>FARM</u>					
Recorded By	<u>A. JOHNSON</u>							
Witnessed By	<u>TUCKER ATTERBERG</u>							

The well name, location and borehole reference data were furnished by the customer.

FOLD HERE







3500

3600

3700

3800

3900

4000

GR
SP

SP
GR

4100

TP
4100
FILE

RILD

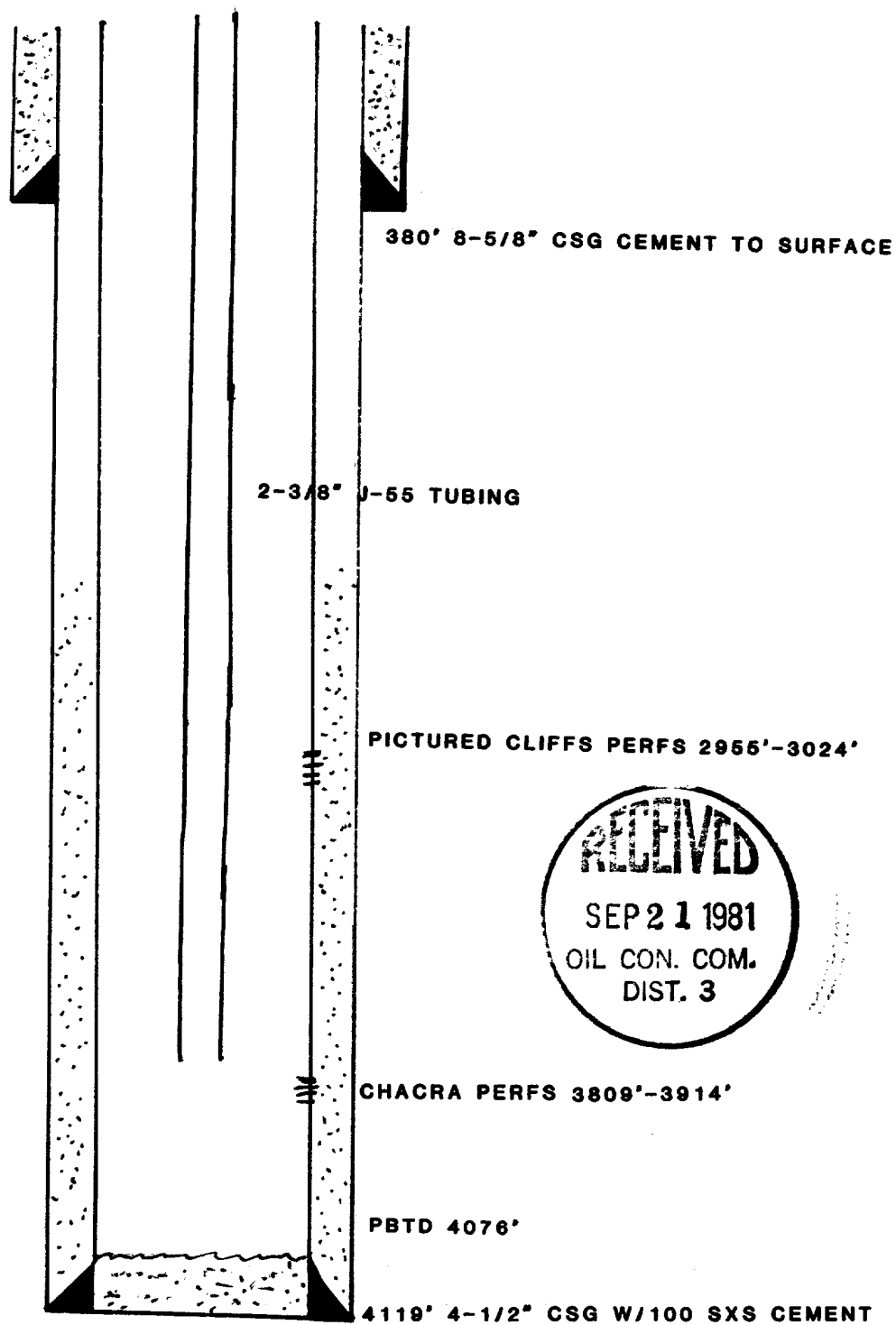
RILD

RDFL

LILD

2"/100'

APACHE 26 WELLBORE SKETCH



ATTACHMENT 2

OIL CONSERVATION DIVISION

P. O. BOX 2088

Form C-122-A
Revised 10-1-78STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENT

SANTA FE, NEW MEXICO 87501

WELL DELIVERABILITY TEST REPORT FOR 1981

POOL NAME	POOL SLOPE	FORMATION	COUNTY
Undesignated	n=.75	Chacra	

93-523-01

COMPANY			WELL NAME AND NUMBER		
Cotton Petroleum Corporation			Apache 26		
UNIT LETTER	SECTION	TOWNSHIP	RANGE	PURCHASING PIPELINE	
L	13	24	4	El Paso	
CASING O.D. - INCHES	CASING I.D. - INCHES	NET AT DEPTH - FEET	TUBING O.D. - INCHES	TUBING I.D. - INCHES	TOP - TUBING PERF. - FEET
4.500	4.052	4120	2.375	1.995	3953
GAS PAY ZONE		WELL PRODUCING THRU		GAS GRAVITY	GRAVITY X LENGTH
FROM 3809 TO 3914		CASING TUBING X		.666	2633
DATE OF FLOW TEST			DATE SHUT-IN PRESSURE MEASURED		
FROM 4-6-81 TO 4-14-81			4-21-81		

PRESSURE DATA - ALL PRESSURES IN PSIA

(a) Flowing Casing Pressure (DWI)	(b) Flowing Tubing Pressure (DWI)	(c) Flowing Meter Pressure (DWI)	(d) Flow Chart Static Reading	(e) Meter Error (Item c - Item d)	(f) Friction Loss (a - c) or (b - c)	(g) Average Meter Pressure (Integr.)
231	158	158	158	0	0	151
(h) Corrected Meter Pressure (g + e)	(i) Avg. Wellhead Press. $P_t = (h + f)$	(j) Shut-in Casing Pressure (DWI) ^a	(k) Shut-in Tubing Pressure (DWI)	(l) P_c = higher value of (j) or (k)	(m) Del. Pressure $P_d = \frac{80}{413} \% P_c$	(n) Separator or Dehydrator Pr. (DWI) for critical flow only
151	151	516	411	516		

FLOW RATE CORRECTION (METER ERROR)

Integrated Volume - MCF/D	Quotient of $\frac{\text{Item c}}{\text{Item d}}$	$\sqrt{\frac{\text{Item c}}{\text{Item d}}}$	Corrected Volume
42	1.000	1.000	Q = 42 MCF/D

WORKING PRESSURE CALCULATION

$(1 - e^{-x})$	$(P_c Q_m)^2 (1000)$	$R^2 = (1 - e^{-x}) (P_c Q_m)^2 (1000)$	P_t^2	$P_w^2 = P_t^2 + R^2$	$P_w = \sqrt{P_w^2}$
0.174	156	27	22801	22828	151

DELIVERABILITY CALCULATION

$D = Q \left[\frac{P_c^2 - P_d^2}{P_c^2 - P_w^2} \right]^n =$	42	$\left[\frac{95687}{243428} \right]^n =$	$.39308$	$= .49643$	$= 21$ MCF/D
--	----	---	----------	------------	--------------

REMARKS:

Initial and Annual

SUMMARY

Item h	151	Psia
	516	Psia
P_c	42	MCF/D
Q	151	Psia
P_w	413	Psia
P_d	21	MCF/D
D		

Company Cotton Petroleum Corp.
By *[Signature]*
Title Agent
Witnessed By _____
Company _____

ATTACHMENT 3

ANNUAL AND BIENNIAL DELIVERABILITY TEST VOLUMES

COTTON PETROLEUM CORP
 JOE ELLEDGE O&G PROPERTY MANAGEMENT
 200 W 25TH STREET
 FARMINGTON NM 87401

IN ACCORDANCE WITH ORDER R-333-F-2 OF THE NEW MEXICO OIL CONSERVATION COMMISSION, THESE TEST VOLUMES ARE PROVIDED FOR TEST FLOW PERIOD INDICATED.

TEST GROUP CODE		TEST FLOW PERIOD START END			
08-35		07-06-81	07-14-81	8 days	
METER CODE	WELL NAME	GRAV	PRES PS IG	TEST HRS	VOLUME MCF
93-523-01	APACHE #26	.666	149	192	796

Av 100 MCFD

PLEASE DIRECT ANY INQUIRIES TO:

EL PASO NATURAL GAS CO.
 WELL TEST ENGINEERING DEPT.
 P. O. BOX 990
 FARMINGTON, NEW MEXICO 87401

Commingled Deliverability

ATTACHMENT 3

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use Form 9-331-C for such proposals.)

1. oil well ☐ gas well ☒ other ☐
2. NAME OF OPERATOR
Cotton Petroleum Corporation
3. ADDRESS OF OPERATOR
717 17th St. Suite 2200 Denver, Colo 80202
4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.)
AT SURFACE: 1850' FSL & 820' FWL
AT TOP PROD. INTERVAL:
AT TOTAL DEPTH:
16. CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

REQUEST FOR APPROVAL TO:

TEST WATER SHUT-OFF ☐
FRACTURE TREAT ☒
SHOOT OR ACIDIZE ☒
REPAIR WELL ☐
PULL OR ALTER CASING ☐
MULTIPLE COMPLETE ☐
CHANGE ZONES ☐
ABANDON* ☐
(other) ☐

SUBSEQUENT REPORT OF:

☐
☐
☐
☐
☐
☐
☐
☐
☐

5. LEASE
Contract #129
6. IF INDIAN, ALLOTTEE OR TRIBE NAME
Jicarilla Apache
7. UNIT AGREEMENT NAME
NA
8. FARM OR LEASE NAME
Apache
9. WELL NO.
#26
10. FIELD OR WILDCAT NAME
So. Blanco PC & Chacra
11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
Sec 13-T24N-R4W
12. COUNTY OR PARISH
Rio Arriba
13. STATE
N.M.
14. API NO.
30-039-22217
15. ELEVATIONS (SHOW DF, KDB, AND WD)
6852' GR

(NOTE: Report results of multiple completion or zone change on Form 9-330.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

The Subject well was perforated in the Picture Cliffs zone on 5-14-81 over the following interval: 2955', 56', 61', 62', 63', 74', 75', 76', 78', 3011', 23', 24', total of 12 holes. The well was acidized with 1008 gal Spearhead acid. The well was fraced. with 76,967 gal of 70 Q foam, 97,500#, 10/20 sand on 5-15-81.

Subsurface Safety Valve: Manu. and Type _____ Set @ _____ Ft.

18. I hereby certify that the foregoing is true and correct

SIGNED [Signature] TITLE Div. Prod. Mgr. DATE 9-14-81

(This space for Federal or State office use)

APPROVED BY _____ TITLE _____ DATE _____
CONDITIONS OF APPROVAL, IF ANY:

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use Form 9-331-C for such proposals.)

1. oil ☐ gas ☒ other ☐
well well

2. NAME OF OPERATOR
Cotton Petroleum Corporation

3. ADDRESS OF OPERATOR
717 17th St. Suite 2200 Denver, Colo 80202

4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.)

AT SURFACE: 1850' FSL & 820' FWL Sec 13
AT TOP PROD. INTERVAL:
AT TOTAL DEPTH:

16. CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

REQUEST FOR APPROVAL TO:

SUBSEQUENT REPORT OF:

TEST WATER SHUT-OFF ☐
FRACTURE TREAT ☒
SHOOT OR ACIDIZE ☒
REPAIR WELL ☐
PULL OR ALTER CASING ☐
MULTIPLE COMPLETE ☐
CHANGE ZONES ☐
ABANDON* ☐
(other) ☐

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5. LEASE
Contract #129

6. IF INDIAN, ALLOTTEE OR TRIBE NAME
Jicarilla Apache

7. UNIT AGREEMENT NAME
NA

8. FARM OR LEASE NAME
Apache

9. WELL NO.
26

10. FIELD OR WILDCAT NAME
So. Blanco PC & Chacra

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
N.M.P.M.
Sec 13-T24N-R4W

12. COUNTY OR PARISH
Rio Arriba

13. STATE
N.M.

14. API NO.
30-039-22217

15. ELEVATIONS (SHOW DF, KDB, AND WD)
6852' KB

(NOTE: Report results of multiple completion or zone change on Form 9-330.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

The subject well was perforated in the Chacra zone on 1-9-81 over the following intervals: 3809', 3811', 3813', 3825', 3837', 3829', 3877', 3883', 3899', 3907', 3914', w/1JSPF. The well was acidized w/1200 gal 15% Spearhead acid on 1-10-81. The well was fraced w/ 80,000 gals, 70 quality. Foam X 80,000# 10/20 sd on 1-11-81.

Subsurface Safety Valve: Manu. and Type _____ Set @ _____ Ft.

18. I hereby certify that the foregoing is true and correct

SIGNED [Signature] TITLE Div. Prod. Mgr. DATE 9-14-81

(This space for Federal or State office use)

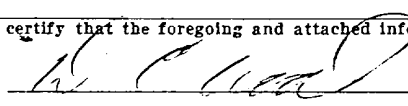
APPROVED BY _____ TITLE _____ DATE _____
CONDITIONS OF APPROVAL, IF ANY:

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN DUPLICATE*

(See other in-
structions on
reverse side)Form approved.
Budget Bureau No. 42-R355.5.

WELL COMPLETION OR RECOMPLETION REPORT AND LOG *

1a. TYPE OF WELL:		OIL WELL ☐	GAS WELL ☒	DRY ☐	Other _____		
b. TYPE OF COMPLETION:		NEW WELL ☐	WORK OVER ☐	DEEP-EN ☐	PLUG BACK ☐	DIFF. RESVR. ☐	Other _____
2. NAME OF OPERATOR Cotton Petroleum Corporation						5. LEASE DESIGNATION AND SERIAL NO. Contract #129	
3. ADDRESS OF OPERATOR 717 17th St. Suite 2200 Denver, Colorado 80202						6. IF INDIAN, ALLOTTEE OR TRIBE NAME Jicarilla Apache	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)* At surface 1845' FWL & 1520' FSL Sec 13 At top prod. interval reported below At total depth						7. UNIT AGREEMENT NAME NA	
14. PERMIT NO. None						8. FARM OR LEASE NAME Apache	
DATE ISSUED 2-20-81						9. WELL NO. 26	
15. DATE SPUDDED 12-20-81						10. FIELD AND POOL, OR WILDCAT So. Blanco- Chacra & PC	
16. DATE T.D. REACHED 12-28-80						11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA Sec 13-T24N-R4W	
17. DATE COMPL. (Ready to prod.) 5-16-81						12. COUNTY OR PARISH Rio Arriba	
18. ELEVATIONS (DF, RKB, RT, GR, ETC.)* 6838'						13. STATE N.M.	
20. TOTAL DEPTH, MD & TVD 4120'		21. PLUG, BACK T.D., MD & TVD 4076'		22. IF MULTIPLE COMPL., HOW MANY* 2		19. ELEV. CASINGHEAD	
23. INTERVALS DRILLED BY → 0-TD		ROTARY TOOLS		CABLE TOOLS		25. WAS DIRECTIONAL SURVEY MADE No	
24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)* Chacra 3809'-3914' P.C. 2955'-3024'						27. WAS WELL CORED No	
26. TYPE ELECTRIC AND OTHER LOGS RUN Gr, CNL-FDC,DIL							
28. CASING RECORD (Report all strings set in well)							
CASING SIZE		WEIGHT, LB./FT.		DEPTH SET (MD)		HOLE SIZE	
8-5/8"		24#		380'		12-1/4"	
4-1/2"		10.5#		4119'		7-7/8"	
29. LINER RECORD							
SIZE		TOP (MD)		BOTTOM (MD)		SACKS CEMENT*	
30. TUBING RECORD							
SIZE		DEPTH SET (MD)		PACKER SET (MD)			
2-3/8"				NA			
31. PERFORATION RECORD (Interval, size and number)							
P.C. 2955', 56', 61', 62', 63', 74', 75', 76', 78', 3022', 23', 24', & 1JSPF							
Chacra 3809', 11', 13', 25', 27', 29', 77', 83', 93', 99', 3907', 14', & 1JSPF							
32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.							
DEPTH INTERVAL (MD)				AMOUNT AND KIND OF MATERIAL USED			
2955'-3024' P.C.				76,967 gal 70 foam, 97,500# 10/20 sd.			
3809'-3914' Chacra				80,000 gal 70 Q foam w/ 80,000# 1-/20 sd.			
33.* PRODUCTION							
DATE FIRST PRODUCTION 2-28-81		PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump) Flowing				WELL STATUS (Producing or shut-in) Producing	
DATE OF TEST 7-6-81		HOURS TESTED 192		CHOKE SIZE open		PROD'N. FOR TEST PERIOD →	
FLOW. TUBING PRESS. 149		CASING PRESSURE		CALCULATED 24-HOUR RATE →		OIL—BBL. 0	
						GAS—MCF. 796	
						WATER—BBL. 0	
						OIL GRAVITY-API (CORR.)	
34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.) Sold						TEST WITNESSED BY Joe Elledge	
35. LIST OF ATTACHMENTS							
36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records							
SIGNED 		TITLE Division Production Manager				DATE 9-14-81	

*(See Instructions and Spaces for Additional Data on Reverse Side)

SANTA FE			
FILE			
U.S.G.S.			
LAND OFFICE			
TRANSPORTER	OIL		
	GAS		
OPERATOR			
PRORATION OFFICE			

REQUEST FOR ALLOWABLE
AND
AUTHORIZATION TO TRANSPORT OIL AND NATURAL GAS

Effective 1-1-65

Operator COTTON PETROLEUM CORPORATION	
Address 717 17th Street, Suite 2200, Denver, Colorado 80202	
Reason(s) for filing (Check proper box)	Other (Please explain)
New Well ☒	Change in Transporter of
Recompletion ☐	Oil ☐ Dry Gas ☐
Change in Ownership ☐	Casinghead Gas ☐ Condensate ☐

If change of ownership give name
and address of previous owner

DESCRIPTION OF WELL AND LEASE

Lease Name Apache	Well No. 26	Pool Name, Including Formation Picture Cliff	Kind of Lease Jicarilla State, Federal or Fee Apache	Lease No. 129
Location				
Unit Letter <u>L</u> : <u>1850</u> Feet From The <u>South</u> Line and <u>820</u> Feet From The <u>West</u>				
Line of Section <u>13</u> Township <u>24N</u> Range <u>4W</u> , NMPM, <u>Rio Arriba</u> County				

DESIGNATION OF TRANSPORTER OF OIL AND NATURAL GAS

Name of Authorized Transporter of Oil ☐ or Condensate ☐	Address (Give address to which approved copy of this form is to be sent)					
None						
Name of Authorized Transporter of Casinghead Gas ☐ or Dry Gas ☒	Address (Give address to which approved copy of this form is to be sent)					
El Paso Natural Gas Company	P.O. Box 990, Farmington, N.M. 87401					
If well produces oil or liquids, give location of tanks.	Unit C	Sec. 13	Twp. 24N	Rge. 4W	Is gas actually connected? No	When

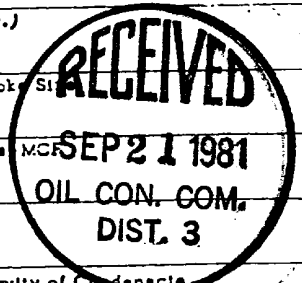
If this production is commingled with that from any other lease or pool, give commingling order number:

COMPLETION DATA

Designate Type of Completion - (X)		Oil Well	Gas Well	New Well	Workover	Deepen	Plug Back	Same Res'v.	Diff. Res'v.
			X	X					
Date Spudded 12-20-80	Date Compl. Ready to Prod. 1-13-81		Total Depth 4120'		P.B.T.D. 4078'				
Elevations (DF, RKB, RT, GR, etc.) 6838' GR	Name of Producing Formation Picture Cliffs		Top Oil/Gas Pay 3808'		Tubing Depth				
Perforations PC. 2955', 56', 61', 62', 63', 74', 75', 76', 78', 3022', 23', 24', 1JSPF		Depth Casing Shoe 4119'							
TUBING, CASING, AND CEMENTING RECORD									
HOLE SIZE	CASING & TUBING SIZE		DEPTH SET		SACKS CEMENT				
12-1/4"	8-5/8"		380'		300 sxs to surface				
7-7/8"	4-1/2"		4119'		420 sxs				
	2-3/8"		3953'						

TEST DATA AND REQUEST FOR ALLOWABLE OIL WELL (Test must be after recovery of total volume of load oil and must be equal to or exceed top allowable for this depth or be for full 24 hours)

Date First New Oil Run To Tanks	Date of Test	Producing Method (Flow, pump, gas lift, etc.)	
Length of Test	Tubing Pressure	Casing Pressure	Choke Size
Actual Prod. During Test	Oil - Bbls.	Water - Bbls.	Gas - MCF



GAS WELL

Actual Prod. Test-MCF/D 70	Length of Test 24 hrs.	Bbls. Condensate/MMCF 0	Gravity of Condensate 0
Testing Method (pilot, back pr.) Back pressure	Tubing Pressure (Shut-in) 361 PSI A	Casing Pressure (Shut-in) 373 PSI A	Choke Size Open

CERTIFICATE OF COMPLIANCE

I hereby certify that the rules and regulations of the Oil Conservation Commission have been complied with and that the information given above is true and complete to the best of my knowledge and belief.

[Signature]
(Signature)
Division Production Manager
September 15, 1981
(Date)

OIL CONSERVATION COMMISSION

APPROVED _____, 19____
BY _____
TITLE _____

This form is to be filed in compliance with RULE 1104.
If this is a request for allowable for a newly drilled or deepened well, this form must be accompanied by a tabulation of the deviated tests taken on the well in accordance with RULE 111.
All sections of this form must be filled out completely for all wells on now and recompleted wells.
Fill out only Sections I, II, III, and VI for changes of owner, well name or number, or transporter, or other such change of condition.

SANTA FE			
FILE			
U.S.G.S.			
LAND OFFICE			
TRANSPORTER	OIL		
	GAS		
OPERATOR			
PRORATION OFFICE			

REQUEST FOR ALLOWABLE
AND
AUTHORIZATION TO TRANSPORT OIL AND NATURAL GAS

Effective 1-1-65

Operator COTTON PETROLEUM CORPORATION			
Address 717 17th Street, Suite 2200, Denver, Colorado 80202			
Reason(s) for filing (Check proper box)		Other (Please explain)	
New Well ☒	Change In Transporter of		
Recompletion ☐	Oil ☐	Dry Gas ☐	
Change In Ownership ☐	Casinghead Gas ☐	Condensate ☐	

If change of ownership give name
and address of previous owner

DESCRIPTION OF WELL AND LEASE

Lease Name Apache	Well No. 26	Pool Name, including Formation Picture Cliff	Kind of Lease Jicarilla State, Federal or Fee Apache	Lease No. 129
Location				
Unit Letter L	: 1850	Feet From The South	Line and 820	Feet From The West
Line of Section 13	Township 24N	Range 4W	, NMPM, Rio Arriba County	

DESIGNATION OF TRANSPORTER OF OIL AND NATURAL GAS

Name of Authorized Transporter of Oil ☐ or Condensate ☐	Address (Give address to which approved copy of this form is to be sent)					
None						
Name of Authorized Transporter of Casinghead Gas ☐ or Dry Gas ☒	Address (Give address to which approved copy of this form is to be sent)					
El Paso Natural Gas Company	P.O. Box 990, Farmington, N.M. 87401					
If well produces oil or liquids, give location of tanks.	Unit C	Sec. 13	Twp. 24N	Rge. 4W	Is gas actually connected? No	When

If this production is commingled with that from any other lease or pool, give commingling order number:

COMPLETION DATA

Designate Type of Completion - (X)	Oil Well	Gas Well	New Well	Workover	Deepen	Plug Back	Same Res'v.	Diff. Res'v.
		X	X					
Date Spudded 12-20-80	Date Compl. Ready to Prod. 1-13-81		Total Depth 4120'		P.B.T.D. 4078'			
Elevations (DF, RKB, RT, GR, etc.) 6838' GR	Name of Producing Formation Picture Cliffs		Top Oil/Gas Pay 3808'		Tubing Depth			
Perforations PC. 2955', 56', 61', 62', 63', 74', 75', 76', 78', 3022', 23', 24', 1JSPF					Depth Casing Shoe 4119'			
TUBING, CASING, AND CEMENTING RECORD								
HOLE SIZE	CASING & TUBING SIZE		DEPTH SET		SACKS CEMENT			
12-1/4"	8-5/8"		380'		300 sxs to surface			
7-7/8"	4-1/2"		4119'		420 sxs			
	2-3/8"		3953'					

TEST DATA AND REQUEST FOR ALLOWABLE OIL WELL (Test must be after recovery of total volume of load oil and must be equal to or exceed top allowable for this depth or be for full 24 hours)

Date First New Oil Run To Tanks	Date of Test	Producing Method (Flow, pump, gas lift, etc.)
Length of Test	Tubing Pressure	Casing Pressure
Actual Prod. During Test	Oil-Bbls.	Water-Bbls.



GAS WELL			
Actual Prod. Test-MCF/D 70	Length of Test 24 hrs.	Bbls. Condensate/MMCF 0	Quantity of Condensate 0
Testing Method (pitot, back pr.) Back pressure	Tubing Pressure (Shut-in) 361 PSI A	Casing Pressure (Shut-in) 373 PSI A	Choke Size Open

CERTIFICATE OF COMPLIANCE

I hereby certify that the rules and regulations of the Oil Conservation Commission have been complied with and that the information given above is true and complete to the best of my knowledge and belief.

D.E. Wood
(Signature)
Division Production Manager
(Title)
September 15, 1981
(Date)

OIL CONSERVATION COMMISSION

OCT 22 1981

APPROVED
BY Original Signed by FRANK T. CHAVEZ

TITLE SUPERVISOR DISTRICT # 3

This form is to be filed in compliance with RULE 1104.
If this is a request for allowable for a newly drilled or deepened well, this form must be accompanied by a tabulation of the Davitt tests taken on the well in accordance with RULE 111.

All sections of this form must be filled out completely for allowable on new and recompleted wells.

Fill out only Sections I, II, III, and VI for changes of well name or number, or transporter, or other such change of condition.