



Confidentiality Requested:

Yes  No

KANSAS CORPORATION COMMISSION 1256908  
OIL & GAS CONSERVATION DIVISION

Form ACO-1

August 2013

Form must be Typed  
Form must be Signed  
All blanks must be Filled

WELL COMPLETION FORM  
WELL HISTORY - DESCRIPTION OF WELL & LEASE

OPERATOR: License # \_\_\_\_\_

Name: \_\_\_\_\_

Address 1: \_\_\_\_\_

Address 2: \_\_\_\_\_

City: \_\_\_\_\_ State: \_\_\_\_\_ Zip: \_\_\_\_\_ + \_\_\_\_\_

Contact Person: \_\_\_\_\_

Phone: ( \_\_\_\_\_ ) \_\_\_\_\_

CONTRACTOR: License # \_\_\_\_\_

Name: \_\_\_\_\_

Wellsite Geologist: \_\_\_\_\_

Purchaser: \_\_\_\_\_

Designate Type of Completion:

- New Well       Re-Entry       Workover
- Oil       WSW       SWD       SIOW
- Gas       D&A       ENHR       SIGW
- OG       GSW       Temp. Abd.
- CM (Coal Bed Methane)
- Cathodic       Other (Core, Expl., etc.): \_\_\_\_\_

If Workover/Re-entry: Old Well Info as follows:

Operator: \_\_\_\_\_

Well Name: \_\_\_\_\_

Original Comp. Date: \_\_\_\_\_ Original Total Depth: \_\_\_\_\_

- Deepening       Re-perf.       Conv. to ENHR       Conv. to SWD
- Plug Back       Conv. to GSW       Conv. to Producer
- Commingled      Permit #: \_\_\_\_\_
- Dual Completion      Permit #: \_\_\_\_\_
- SWD      Permit #: \_\_\_\_\_
- ENHR      Permit #: \_\_\_\_\_
- GSW      Permit #: \_\_\_\_\_

Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date
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API No. 15 - \_\_\_\_\_

Spot Description: \_\_\_\_\_

\_\_\_\_\_ - \_\_\_\_\_ - \_\_\_\_\_ Sec. \_\_\_\_\_ Twp. \_\_\_\_\_ S. R. \_\_\_\_\_  East  West

\_\_\_\_\_ Feet from  North /  South Line of Section

\_\_\_\_\_ Feet from  East /  West Line of Section

Footages Calculated from Nearest Outside Section Corner:

- NE       NW       SE       SW

GPS Location: Lat: \_\_\_\_\_, Long: \_\_\_\_\_  
(e.g. xx.xxxxx) (e.g. -xxx.xxxxx)

Datum:  NAD27       NAD83       WGS84

County: \_\_\_\_\_

Lease Name: \_\_\_\_\_ Well #: \_\_\_\_\_

Field Name: \_\_\_\_\_

Producing Formation: \_\_\_\_\_

Elevation: Ground: \_\_\_\_\_ Kelly Bushing: \_\_\_\_\_

Total Vertical Depth: \_\_\_\_\_ Plug Back Total Depth: \_\_\_\_\_

Amount of Surface Pipe Set and Cemented at: \_\_\_\_\_ Feet

Multiple Stage Cementing Collar Used?  Yes  No

If yes, show depth set: \_\_\_\_\_ Feet

If Alternate II completion, cement circulated from: \_\_\_\_\_

feet depth to: \_\_\_\_\_ w/ \_\_\_\_\_ sx cmt.

Drilling Fluid Management Plan

(Data must be collected from the Reserve Pit)

Chloride content: \_\_\_\_\_ ppm Fluid volume: \_\_\_\_\_ bbls

Dewatering method used: \_\_\_\_\_

Location of fluid disposal if hauled offsite:

Operator Name: \_\_\_\_\_

Lease Name: \_\_\_\_\_ License #: \_\_\_\_\_

Quarter \_\_\_\_\_ Sec. \_\_\_\_\_ Twp. \_\_\_\_\_ S. R. \_\_\_\_\_  East  West

County: \_\_\_\_\_ Permit #: \_\_\_\_\_

AFFIDAVIT

I am the affiant and I hereby certify that all requirements of the statutes, rules and regulations promulgated to regulate the oil and gas industry have been fully complied with and the statements herein are complete and correct to the best of my knowledge.

Submitted Electronically

KCC Office Use ONLY

- Confidentiality Requested  
Date: \_\_\_\_\_
- Confidential Release Date: \_\_\_\_\_
- Wireline Log Received
- Geologist Report Received
- UIC Distribution
- ALT  I  II  III Approved by: \_\_\_\_\_ Date: \_\_\_\_\_



1256908

Operator Name: \_\_\_\_\_ Lease Name: \_\_\_\_\_ Well #: \_\_\_\_\_

Sec. \_\_\_\_\_ Twp. \_\_\_\_\_ S. R. \_\_\_\_\_  East  West County: \_\_\_\_\_

**INSTRUCTIONS:** Show important tops of formations penetrated. Detail all cores. Report all final copies of drill stems tests giving interval tested, time tool open and closed, flowing and shut-in pressures, whether shut-in pressure reached static level, hydrostatic pressures, bottom hole temperature, fluid recovery, and flow rates if gas to surface test, along with final chart(s). Attach extra sheet if more space is needed.

Final Radioactivity Log, Final Logs run to obtain Geophysical Data and Final Electric Logs must be emailed to [kcc-well-logs@kcc.ks.gov](mailto:kcc-well-logs@kcc.ks.gov). Digital electronic log files must be submitted in LAS version 2.0 or newer AND an image file (TIFF or PDF).

Drill Stem Tests Taken <input type="checkbox"/> Yes <input type="checkbox"/> No <i>(Attach Additional Sheets)</i>  Samples Sent to Geological Survey <input type="checkbox"/> Yes <input type="checkbox"/> No  Cores Taken <input type="checkbox"/> Yes <input type="checkbox"/> No Electric Log Run <input type="checkbox"/> Yes <input type="checkbox"/> No  List All E. Logs Run: _____	<input type="checkbox"/> Log Formation (Top), Depth and Datum <input type="checkbox"/> Sample  Name Top Datum
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CASING RECORD <input type="checkbox"/> New <input type="checkbox"/> Used							
Report all strings set-conductor, surface, intermediate, production, etc.							
Purpose of String	Size Hole Drilled	Size Casing Set (In O.D.)	Weight Lbs. / Ft.	Setting Depth	Type of Cement	# Sacks Used	Type and Percent Additives

ADDITIONAL CEMENTING / SQUEEZE RECORD				
Purpose:	Depth Top Bottom	Type of Cement	# Sacks Used	Type and Percent Additives
<input type="checkbox"/> Perforate <input type="checkbox"/> Protect Casing <input type="checkbox"/> Plug Back TD <input type="checkbox"/> Plug Off Zone				

Did you perform a hydraulic fracturing treatment on this well?  Yes  No *(If No, skip questions 2 and 3)*  
 Does the volume of the total base fluid of the hydraulic fracturing treatment exceed 350,000 gallons?  Yes  No *(If No, skip question 3)*  
 Was the hydraulic fracturing treatment information submitted to the chemical disclosure registry?  Yes  No *(If No, fill out Page Three of the ACO-1)*

Shots Per Foot	PERFORATION RECORD - Bridge Plugs Set/Type Specify Footage of Each Interval Perforated	Acid, Fracture, Shot, Cement Squeeze Record <i>(Amount and Kind of Material Used)</i>	Depth

TUBING RECORD:      Size: \_\_\_\_\_ Set At: \_\_\_\_\_ Packer At: \_\_\_\_\_ Liner Run:  Yes  No

Date of First, Resumed Production, SWD or ENHR. \_\_\_\_\_ Producing Method:  
 Flowing  Pumping  Gas Lift  Other *(Explain)* \_\_\_\_\_

Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity

<b>DISPOSITION OF GAS:</b> <input type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease <i>(If vented, Submit ACO-18.)</i>	<b>METHOD OF COMPLETION:</b> <input type="checkbox"/> Open Hole <input type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled <i>(Submit ACO-5)</i> <input type="checkbox"/> Other <i>(Specify)</i> _____ <i>(Submit ACO-4)</i>	<b>PRODUCTION INTERVAL:</b> _____ _____
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**OPERATOR**

Company: MIKE KELSO OIL, INC.  
 Address: PO BOX 467  
 CHASE, KANSAS 67524-0467

Contact Geologist: MIKE KELSO  
 Contact Phone Nbr: 620-938-2943  
 Well Name: MIKE KELSO OIL, INC.  
 Location: SW NE NW NE SEC. 23-T10S-R21W  
 API: 15-065-24,104-00-00  
 Pool: IN FIELD  
 State: KANSAS  
 Field: COOPER  
 Country: USA

**Scale 1:240 Imperial**

Well Name: MIKE KELSO OIL, INC.  
 Surface Location: SW NE NW NE SEC. 23-T10S-R21W  
 Bottom Location:  
 API: 15-065-24,104-00-00  
 License Number: 31528  
 Spud Date: 6/27/2015 Time: 4:15 AM  
 Region: GRAHAM COUNTY  
 Drilling Completed: 7/2/2015 Time: 7:05 PM  
 Surface Coordinates: 500' FNL & 1950' FEL  
 Bottom Hole Coordinates:  
 Ground Elevation: 2188.00ft  
 K.B. Elevation: 2195.00ft  
 Logged Interval: 3000.00ft To: 3810.00ft  
 Total Depth: 3809.00ft  
 Formation: ARBUCKLE  
 Drilling Fluid Type: CHEMICAL/FRESH WATER GEL

**SURFACE CO-ORDINATES**

Well Type: Vertical  
 Longitude: -99.6302622  
 Latitude: 39.1748799  
 N/S Co-ord: 500' FNL  
 E/W Co-ord: 1950' FEL

**LOGGED BY**

Company: SOLUTIONS CONSULTING, INC.  
 Address: 108 W 35TH  
 HAYS, KS 67601

Phone Nbr: (785) 639-1337  
 Logged By: GEOLOGIST Name: HERB DEINES

**CONTRACTOR**

Contractor: SKYTOP DRILLING LLC  
 Rig #: 1  
 Rig Type: MUD ROTARY  
 Spud Date: 6/27/2015 Time: 4:15 AM  
 TD Date: 7/2/2015 Time: 7:05 PM  
 Rig Release: 7/3/2015 Time: 5:00 PM

**ELEVATIONS**

K.B. Elevation: 2195.00ft Ground Elevation: 2188.00ft  
 K.B. to Ground: 7.00ft

**NOTES**

RECOMMENDATION TO RUN PRODUCTION CASING BASED ON NUMEROUS SHOWS IN TOPEKA, LKC AND ARBUCKLE AND FAVORABLE STRUCTURE.

NO DRILL STEM TESTS WERE RAN ON THIS WELL.

<b>PIERCE # 4</b>	<b>PIERCE # 1</b>	<b>PIERCE # 2</b>
<b>SW NE NW NE</b>	<b>NW NW NE</b>	<b>SE NW NE</b>
<b>SEC.23-10S-21W</b>	<b>SEC.23-10-21W</b>	<b>SEC.27-15-15W</b>
<b>2188'GL 2195'KB</b>	<b>KB 2173'</b>	<b>KB 2191'</b>

<u>FORMATION</u>	<u>LOG TOPS</u>	<u>LOG TOPS</u>	<u>LOG TOPS</u>
<b>Anhydrite top</b>	<b>1653+ 542</b>		
<b>Anhydrite base</b>	<b>1690+ 505</b>		
<b>Topeka</b>	<b>3198-1003</b>		<b>-1009</b>
<b>Heebner Sh.</b>	<b>3400-1205</b>	<b>-1213</b>	<b>-1211</b>
<b>Toronto</b>	<b>3425-1230</b>		<b>-1236</b>
<b>LKC</b>	<b>3440-1245</b>	<b>-1252</b>	<b>-1254</b>
<b>BKC</b>	<b>3667-1472</b>	<b>-1483</b>	<b>-1477</b>
<b>Arbuckle</b>	<b>3736-1541</b>	<b>-1551</b>	<b>-1546</b>
<b>RTD</b>	<b>3809-1614</b>	<b>-1566</b>	<b>-1551</b>

#### SUMMARY OF DAILY ACTIVITY

**6-27-15 Spud 4:15AM, set 8 5/8" surface casing to 314' w/225 sxs Common 2%Gel 3%CC, slope 1/2 degree, plug down 5:30PM**

**6-28-15 686', drill plug 1:30AM**

**6-29-15 1691', drilling**











**6-30-15 2590', drilling**

**7-01-15 3100', drilling**

**7-02-15 3600', drilling, RTD 3809' @7:05PM, ST 25 stds, CCH, TOWB**

**7-03-15 3809', logs, TIWB, LDDP, run 5 1/2" production casing w/ DV Tool in Anhydrite**

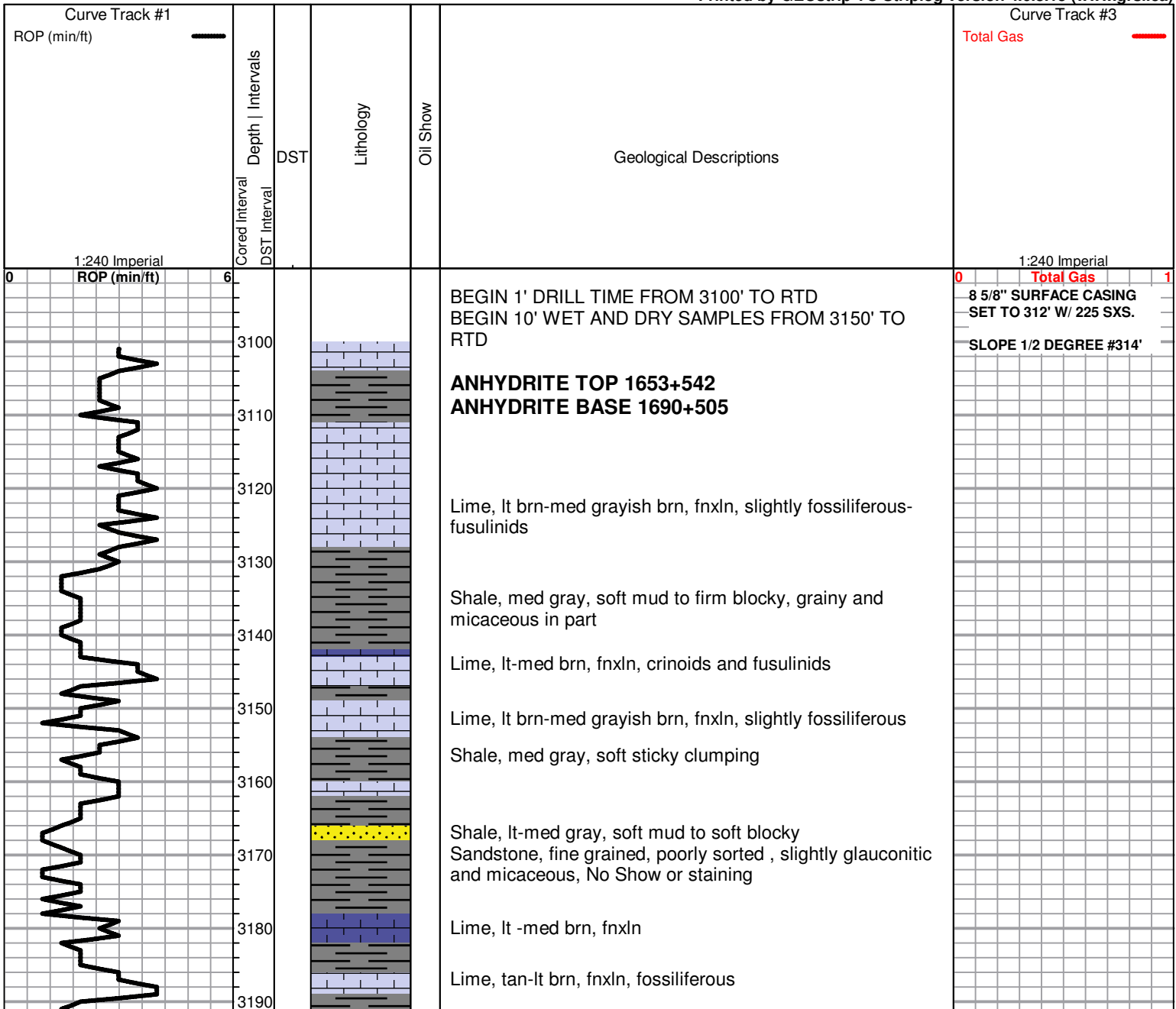
**ROCK TYPES**

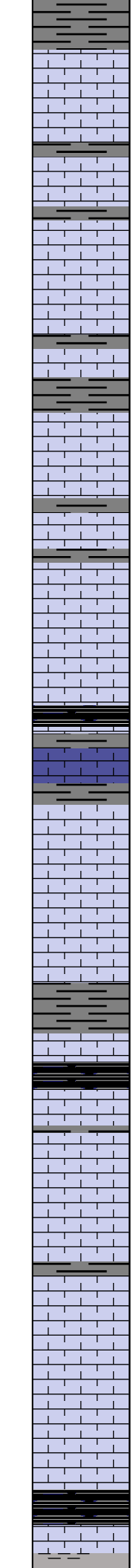
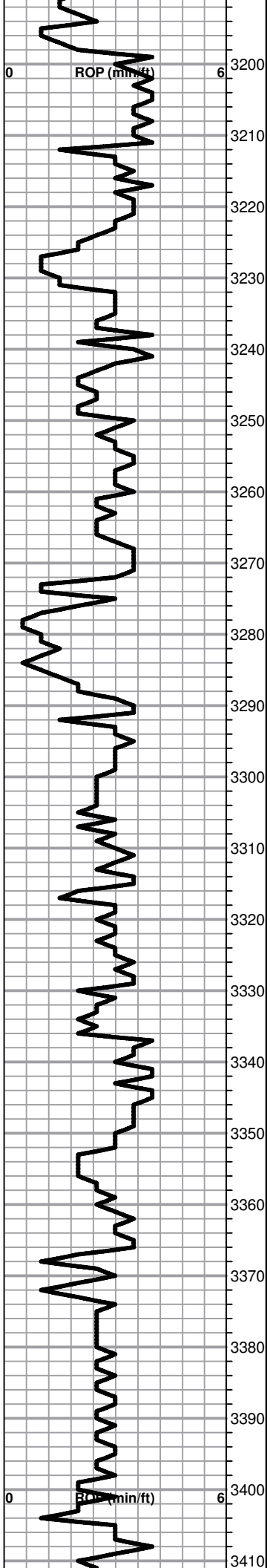
 Clystgy	 Lmst fw<7	 shale, gry	 Ss
 Chtcongl	 Lmst fw7>	 Carbon Sh	
 Dolprim	 Lscongl	 shale, red	

**ACCESSORIES**

**MINERAL**  
 ▲ Chert White

Printed by GEOstrip VC Striplog version 4.0.8.15 (www.grsi.ca)





**TOPEKA 3198-1003**

Lime, lt brn-med grayish brn, fn-vfxln

Lime, crm-lt brn, fn-vfxln

Lime, crm-lt brn, fn-vfxln

Lime, lt gray fnxln grading into lt brn, granular limestone with fine interxln porosity with scattered pinpoint vuggy porosity. scattered to saturated stain, fair odor, NFO

Lime, lt brn-lt gray, fnxln with gray mottling in part

Lime, lt brn-lt gray, fnxln mixed with calcareous gray shale

Lime, crm-lt brn, fn-vfxln

Lime, crm-lt brn, fn-vfxln, micro fossils in part, cemented

Lime, lt-med brn, fn-vfxln

Lime, med brn, fnxln-granular, NS

Lime, med brn, granular, slightly fossiliferous, NS, few chips with slight chalky matrix

Shale, black carbonaceous, blocky , fissile

Lime, lt brn, fnxln

Shale, lt gray, soft mud

Lime, crm-lt brn, fnxln, slight bedded chalk, firm

Lime, lt-med brn, fnxln, scattered fusulinids, NS

Lime, lt-med brn, fnxln-slightly granular in part

Lime, med brn, fnxln

Shale, black carbonaceous, blocky

Lime, lt-med brn, fnxln

Lime, lt-med brn, fnxln

Lime, crm-med brn, fnxln, slightly fossiliferous

Lime, lt brn, slight bedded chalk with lt white wash, NS

Lime, crm-tan, fnxln, moderate bedded chalk

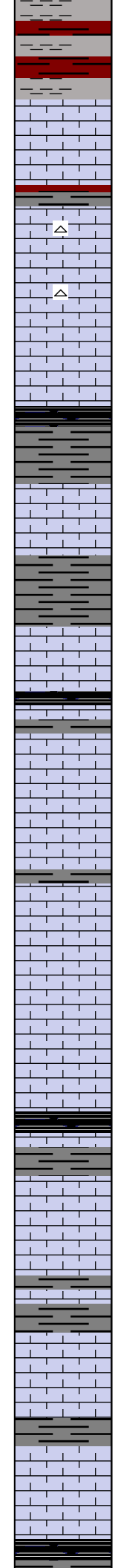
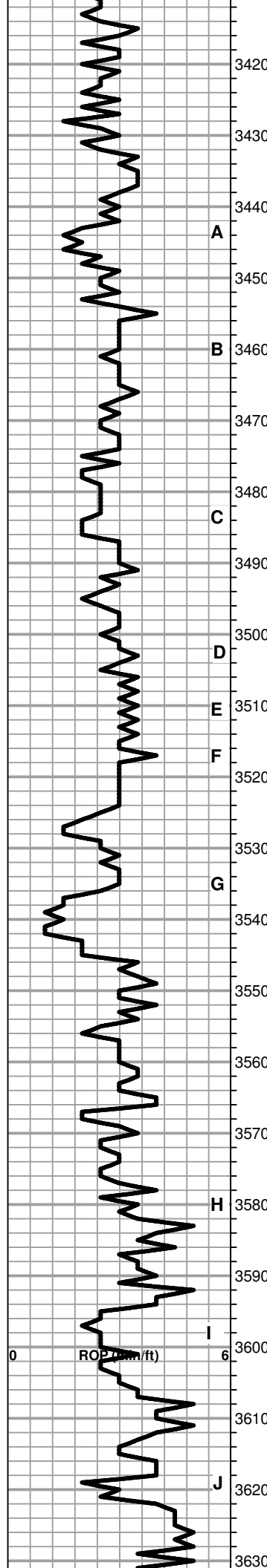
**HEEBNER SHALE 3400-1205**

Shale, black carbonaceous, fissile, blocky

Lime, lt-med brn, fn-vfxln

0 Total Gas 1

0 Total Gas 1



Shale, dove gray, soft sticky with mix of reddish brn soft shale

**TORONTO 3425-1230**

Lime, tan-lt brn, fnxln, slightly granular with bed chalk, NS

Lime, lt brn, fnxln

**LKC 3440-1245**

Lime, crm, fn-vfxln, spotty lt staining in poorly development mostly dense lime. V lt to no odor, NFO

Lime, crm-tan, fn-vfxln

Lime, crm-tan, fn-vfxln

Shale, gray-black carbonaceous, fissile, blocky

Lime, crm-lt brn, mix of fossil fragments, oolitic/oomoldic and fine granular with interxln porosity, lt spotty staining, very lt odor, NFO

Shale, reddish brn-med gray, moderately firm, blocky with slivers in part

Lime, crm, fnxln

Shale, black carbonaceous  
Lime, lt gray, fnxln

Lime, lt brn, oolitic/oomoldic in part, fair to good saturated staining with very lt odor, NFO

Lime, lt brn, fnxln

Lime, crm, fnxln-granular, bedded chalk, NS

Lime, white-crm, fn-vfxln, slight bedded chalk

Lime, white-crm-lt brn, fnxln

Shale, med gray-black carbonaceous, blocky

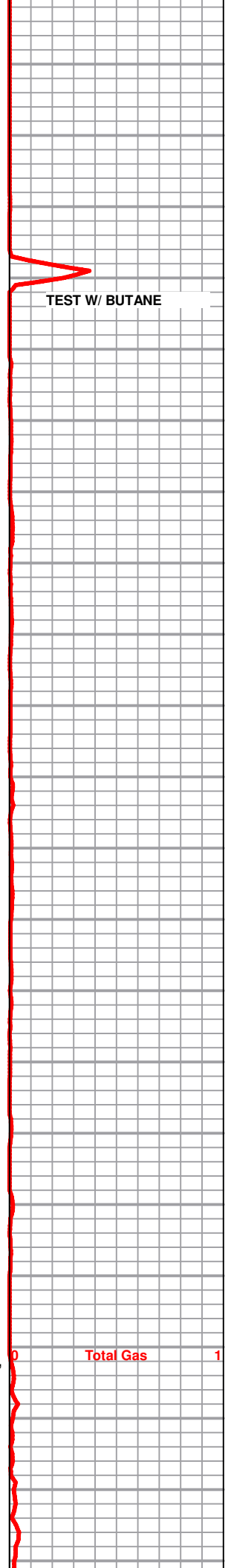
Lime, crm with tint of lt gray in part, fnxln, NS

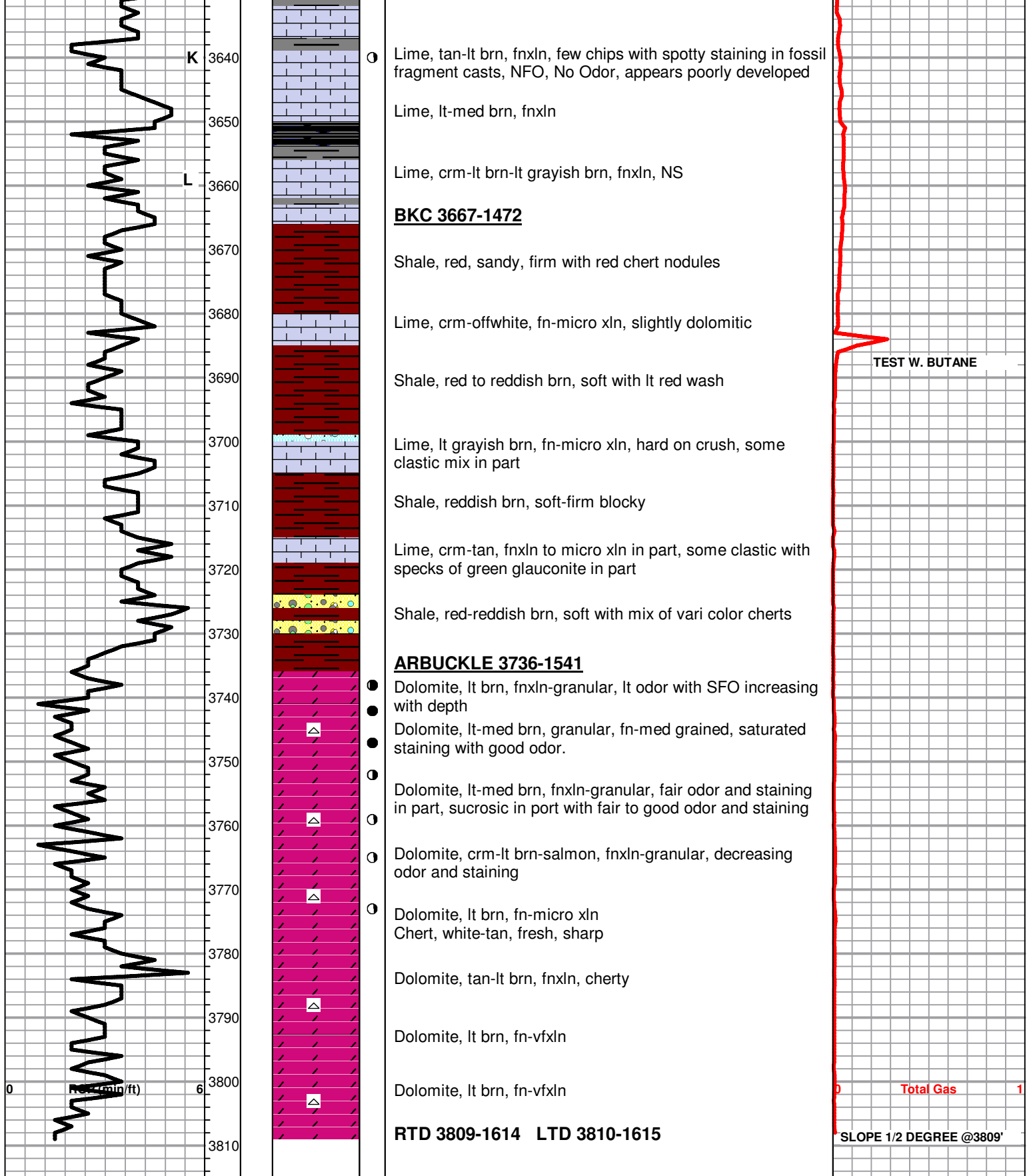
Lime, crm, fn-vfxln

Lime, lt brn, fnxln-fine granular with very fine interxln porosity, lt surface sheen on saturated chips, NFO, No odor, may have some fracturing

Lime, crm-lt brn, mostly fnxln with few chips oolitic/oomoldic, with lt spotty staining, NFO, No Odor, appears poorly developed

Shale, gray-black, blocky







## CEMENT BOND LOG

Company MIKE KELSO OIL, INC.  
 Well PIERCE #4  
 Field COOPER  
 County GRAHAM State KANSAS

Company MIKE KELSO OIL, INC.  
 Well PIERCE #4  
 Field COOPER  
 County GRAHAM  
 State KANSAS

Location SW-NE-NW-NE  
 500' FNL & 1950' FEL  
 SEC. 23 TWP. 10S RGE. 21W  
 Permanent Datum GROUND LEVEL Elevation 2188  
 Log Measured From KELLY BUSHING 7' AGL  
 Drilling Measured From KELLY BUSHING  
 Other Services  
 Elevation  
 K.B. 2195  
 D.F.  
 G.L. 2188

Date	Run Number	ONE	ONE
09-01-2015	ONE	ONE	ONE
Depth Driller	3809		
Depth Logger	3781		1800
Bottom Logged Interval	3780		1799
Top Log Interval	2000		380
Open Hole Size			
Type Fluid	WATER		WATER
Density / Viscosity			
Max. Recorded Temp.			
Estimated Cement Top	2204		
Time Well Ready			
Time Logger on Bottom			
Equipment Number	52		
Location	GREAT BEND		
Recorded By	LEE BRETZ		
Witnessed By	MR. CURTIS KELSO		
Borehole Record		Tubing Record	
Run Number	Bit	From	To
	Size	Size	Weight
Casing Record	Size	Wgt/Ft	Top
Surface String	8.625		0
Prot. String			314
Production String	5.5		0
Liner			

<<< Fold Here >>>

All interpretations are opinions based on inferences from electrical or other measurements and we cannot and do not guarantee the accuracy or correctness of any interpretation, and we shall not, except in the case of gross or willful negligence on our part, be liable or responsible for any loss, costs, damages, or expenses incurred or sustained by anyone resulting from any interpretation made by any of our officers, agents or employees. These interpretations are also subject to our general terms and conditions set out in our current Price Schedule.

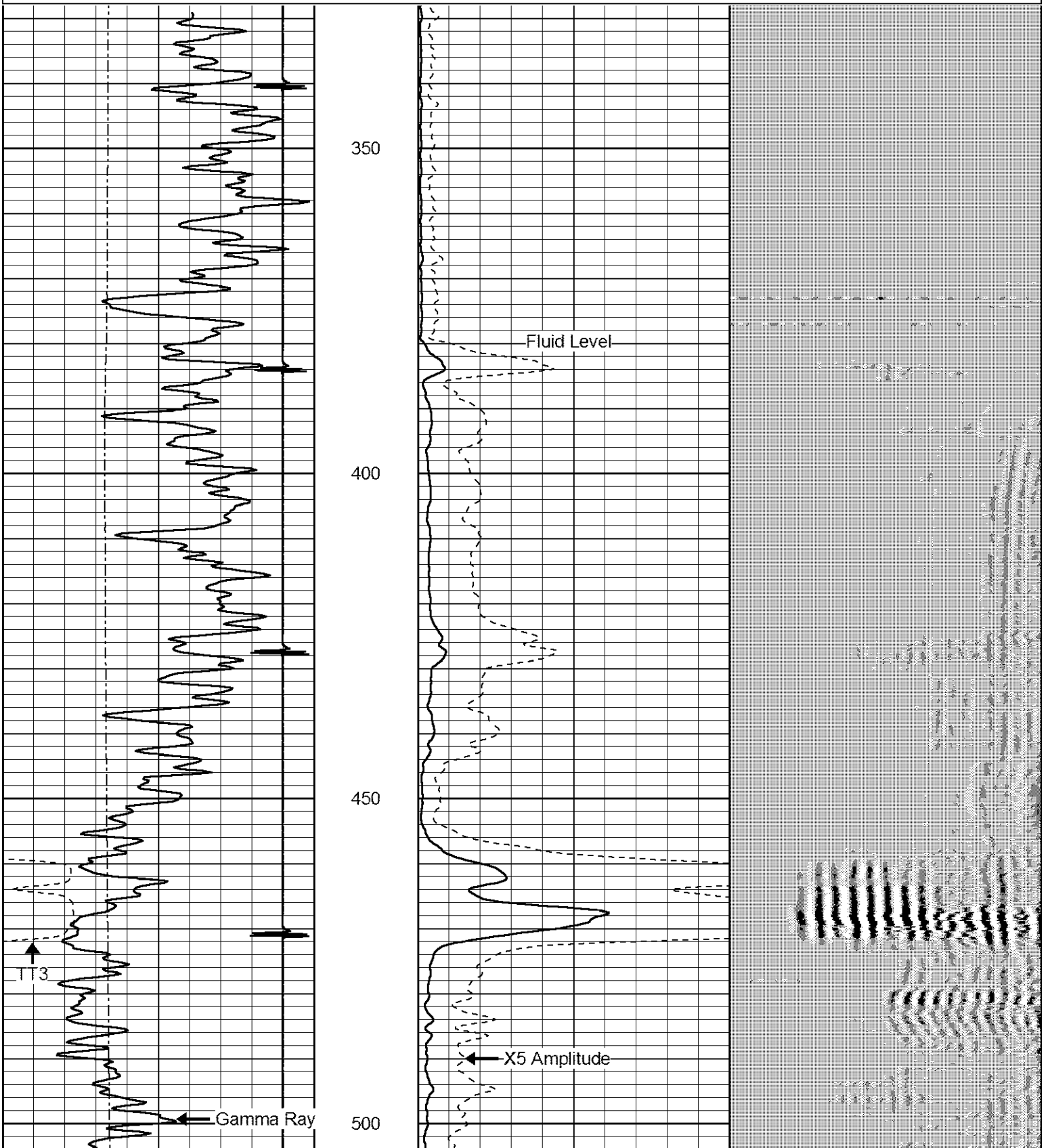
### Comments

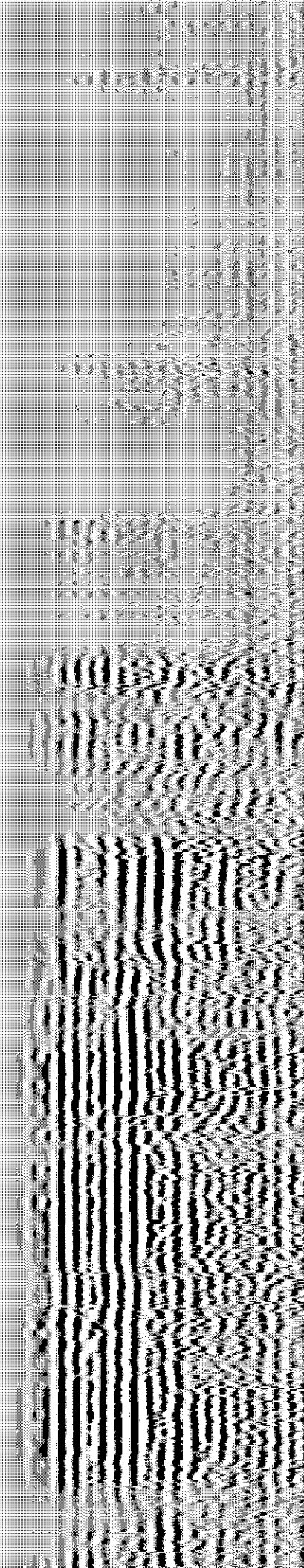
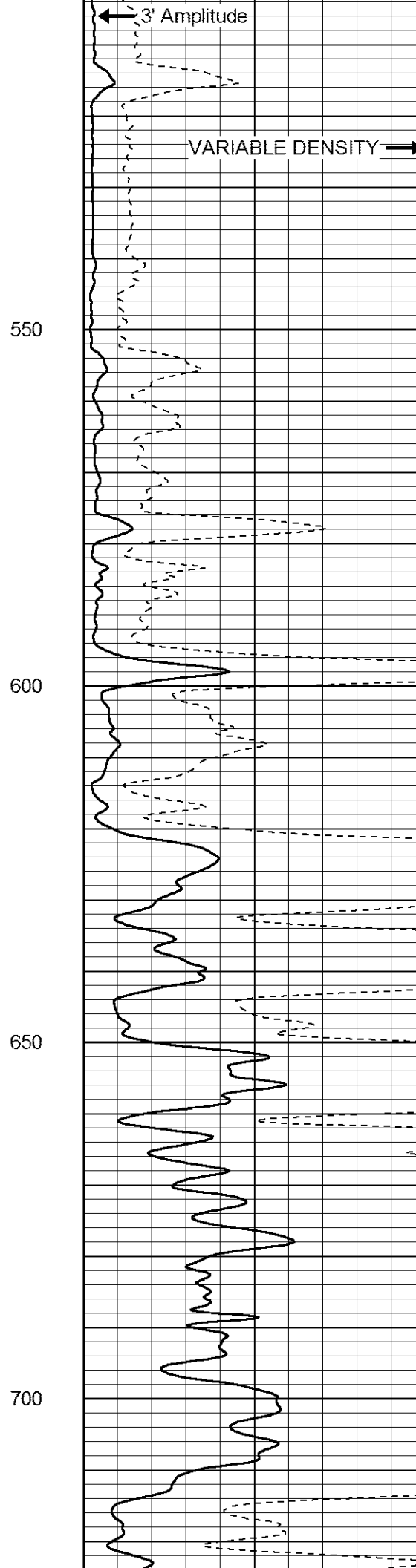
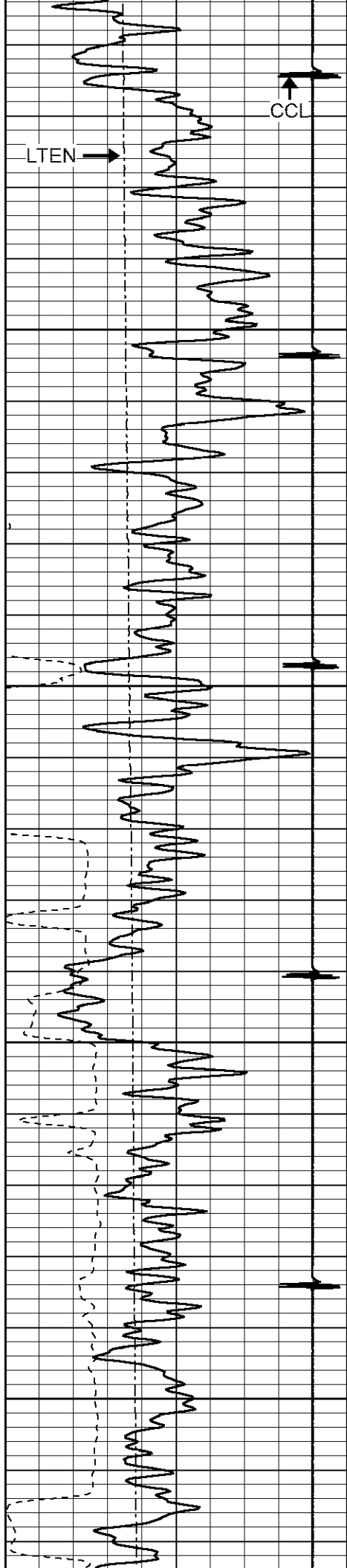
THANK YOU FOR USING LOG TECH OF KANSAS!  
 (620)792-2167

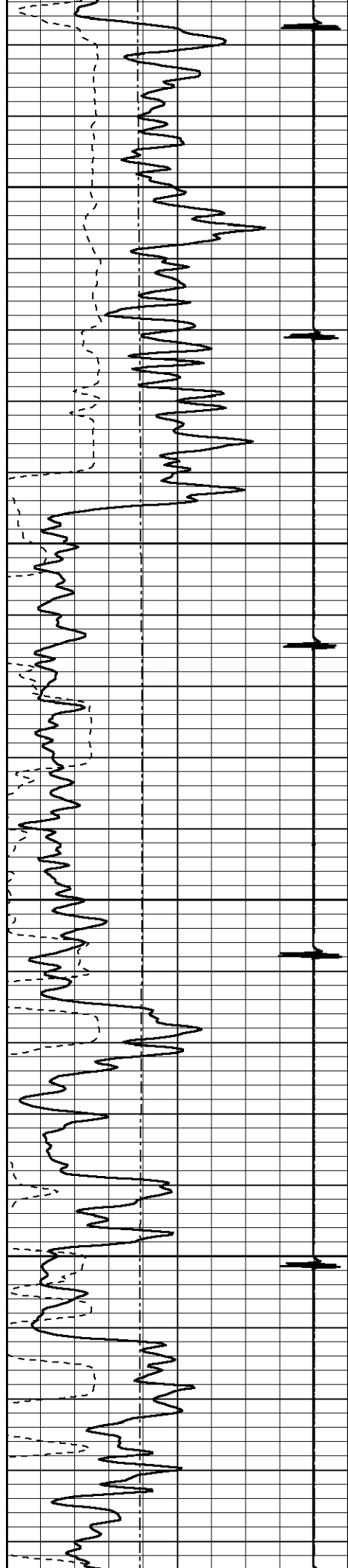
DIRECTIONS  
 ELLIS,KS  
 NORTH TO CC ROAD  
 3W 1N 1/2W SOUTH INTO

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 Dataset Pathname: pass5  
 Presentation Format: cbl02  
 Dataset Creation: Tue Sep 01 14:25:36 2015 by Log 7.0 B1  
 Charted by: Depth in Feet scaled 1:240

9	Collar Locator	-1	0	Amplitude (mV)	100	200	VARIABLE DENSITY	1200
0	Gamma Ray (GAPI)	150	0	X5 Amplitude (mV)	20			
320	TT3 (usec)	120						
0	LTEN (lb)	2000						





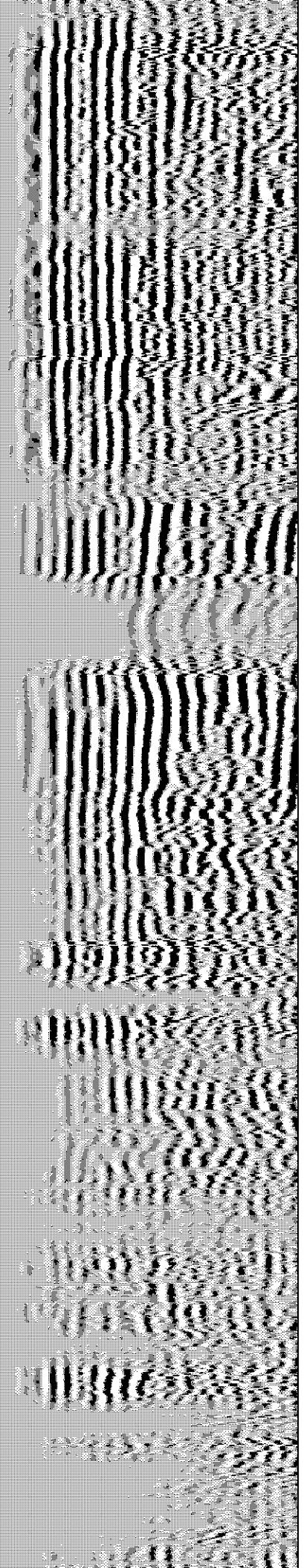
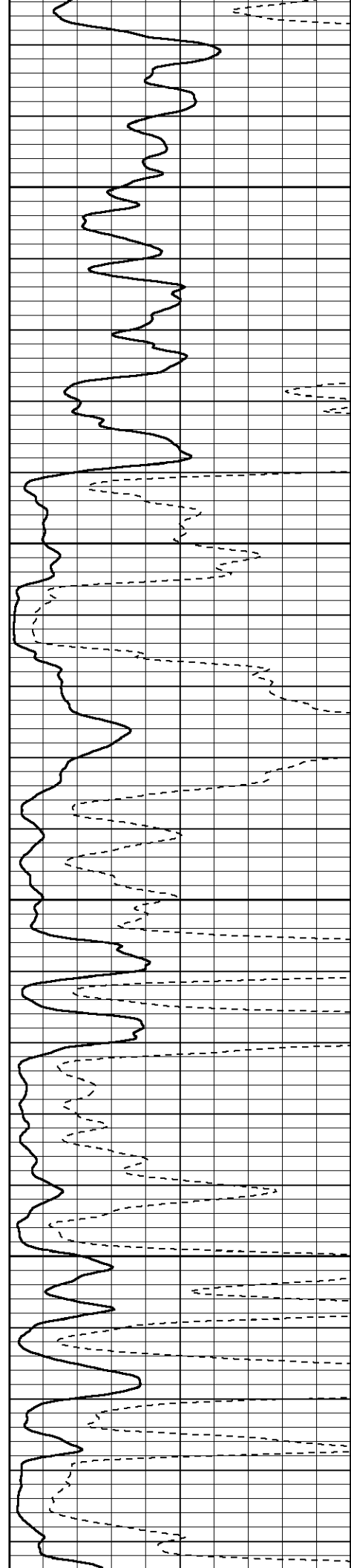


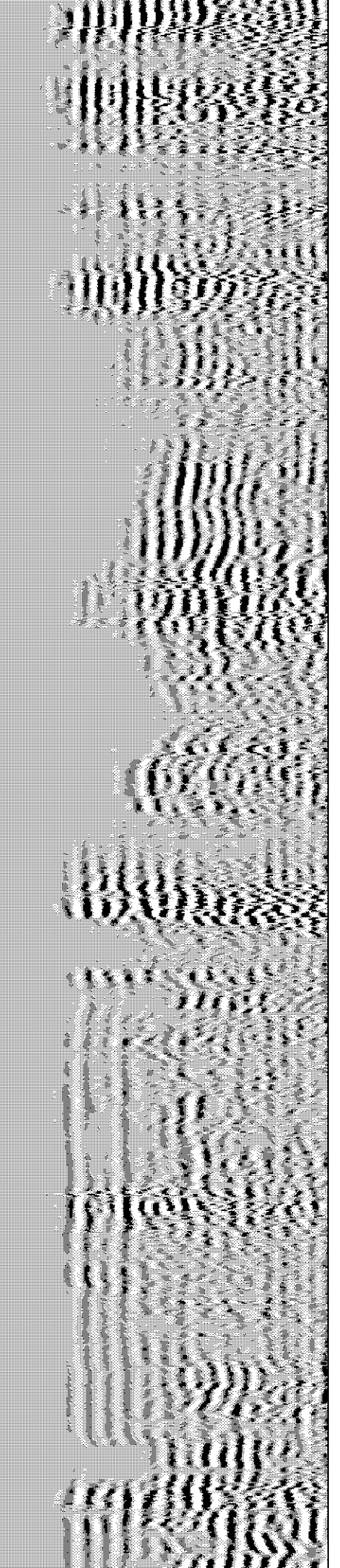
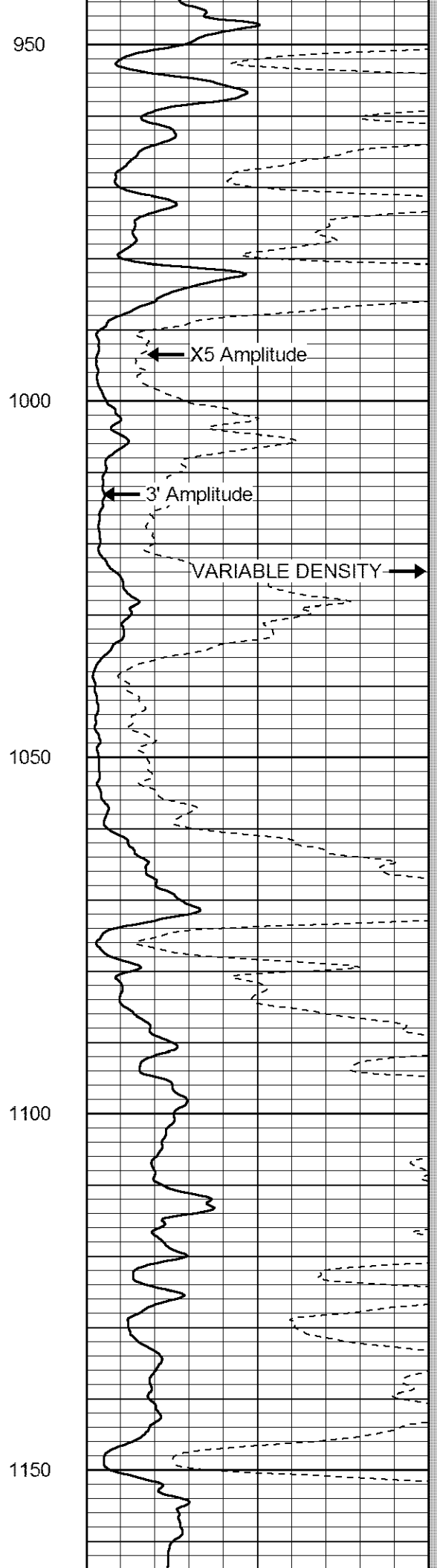
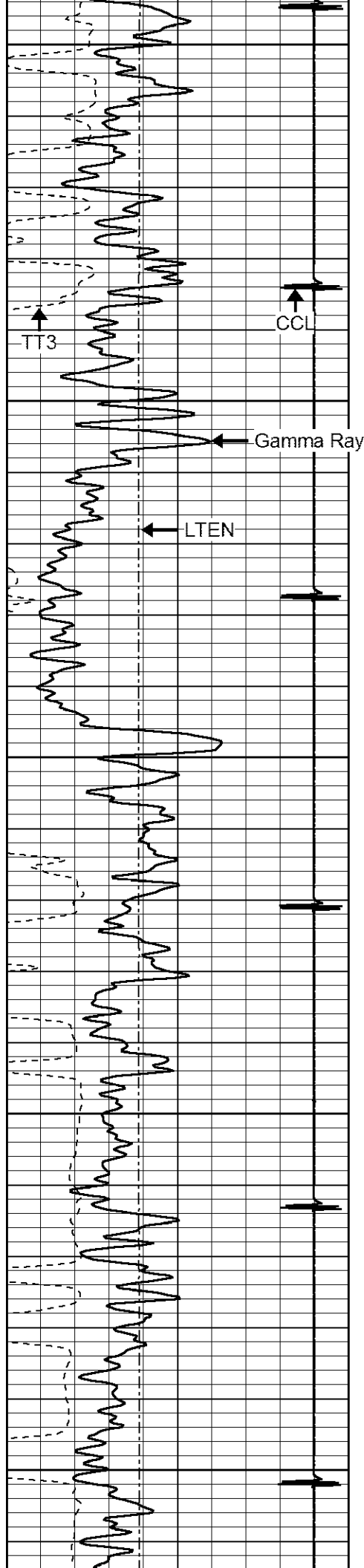
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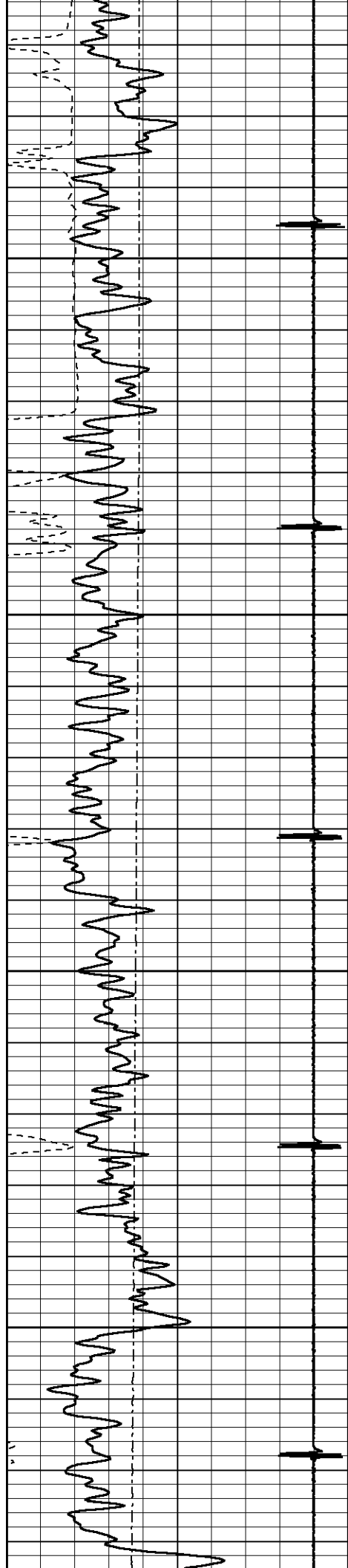
800

850

900





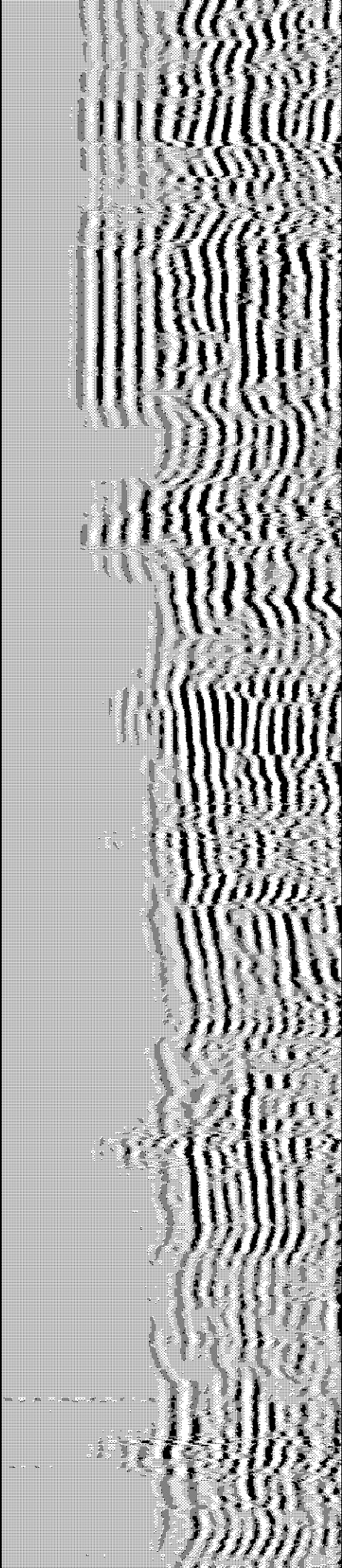
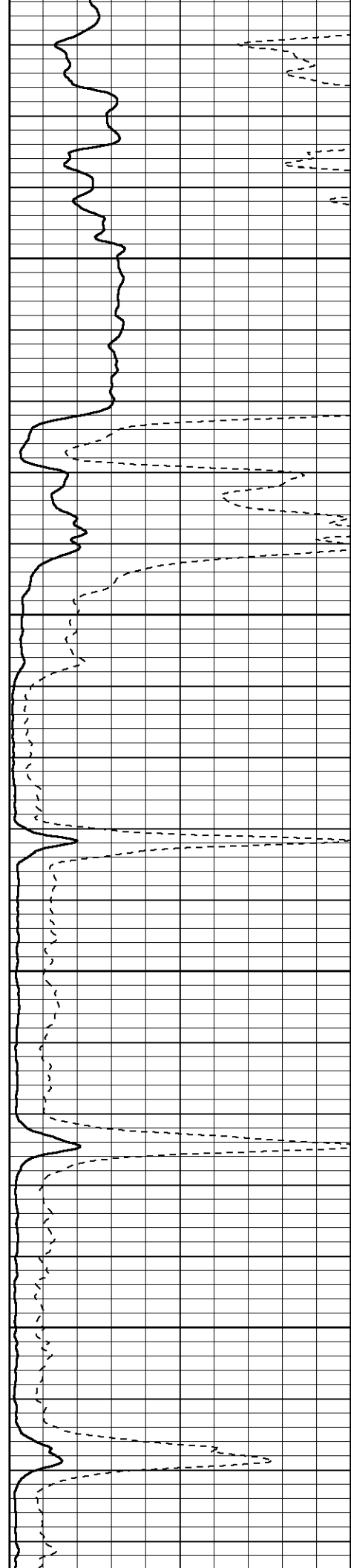


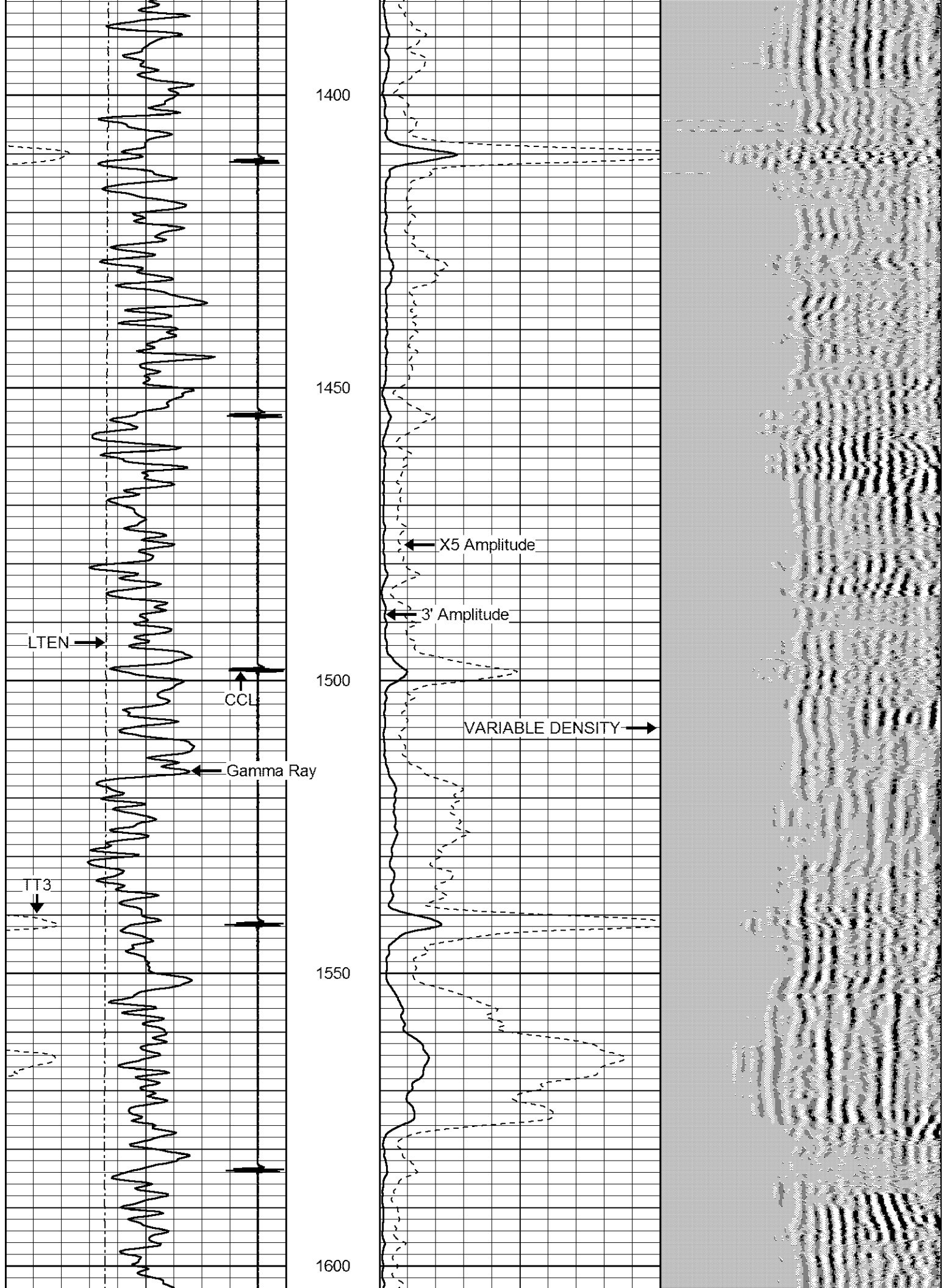
1200

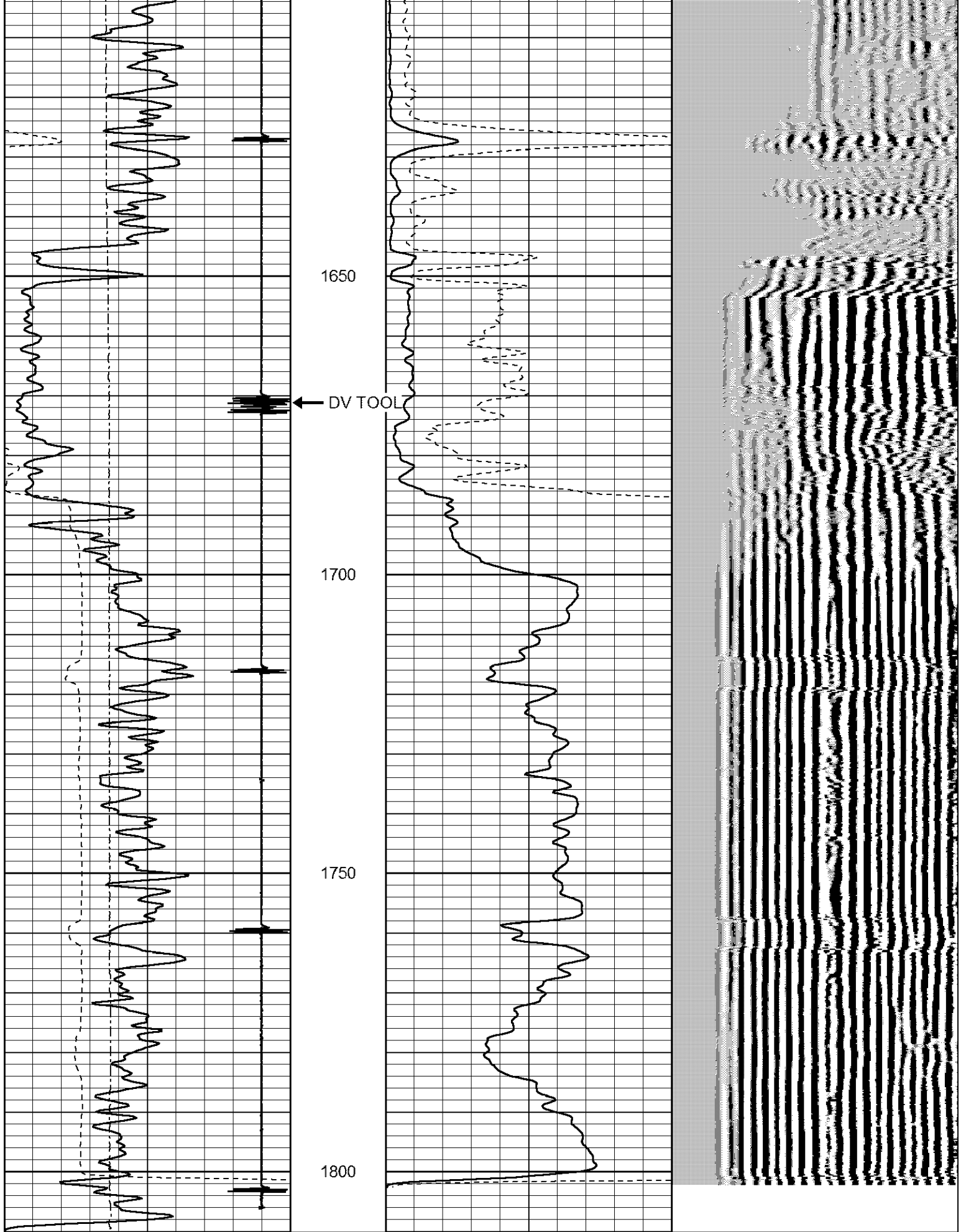
1250

1300

1350







9	Collar Locator	-1
0	Gamma Ray (GAPI)	150
320	TT3 (usec)	120

0	Amplitude (mV)	100
0	X5 Amplitude (mV)	20

200 VARIABLE DENSITY 1200



0 LTEN (lb) 2000

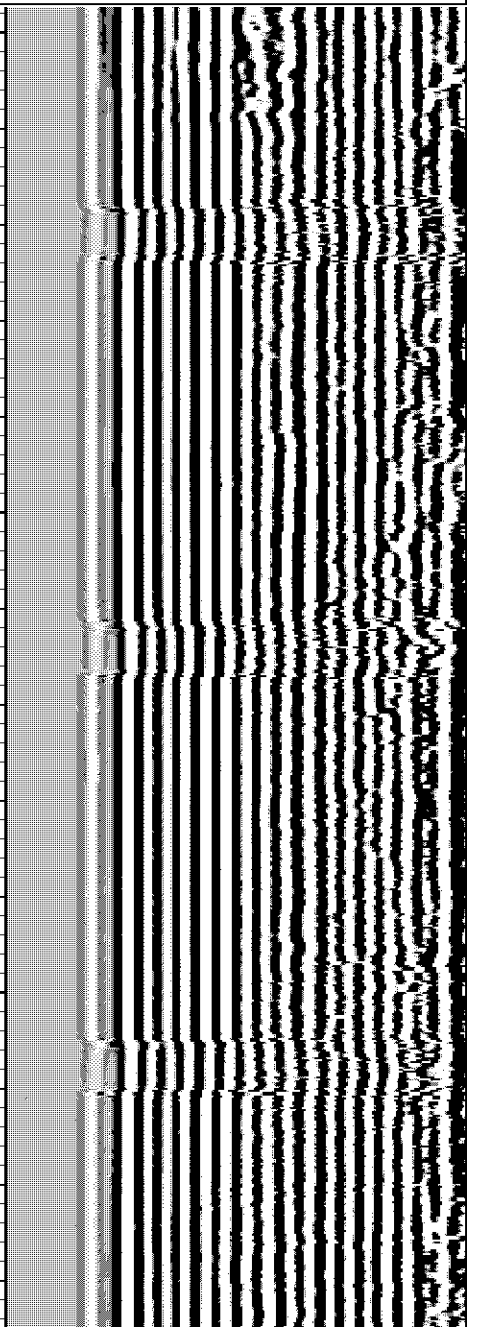
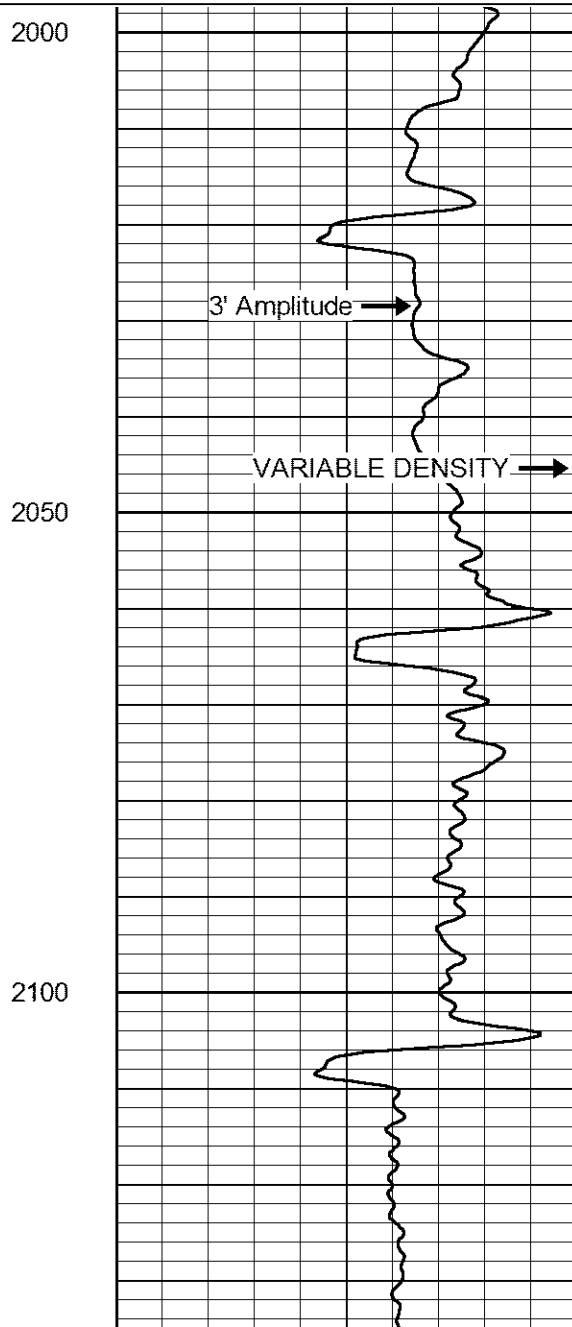
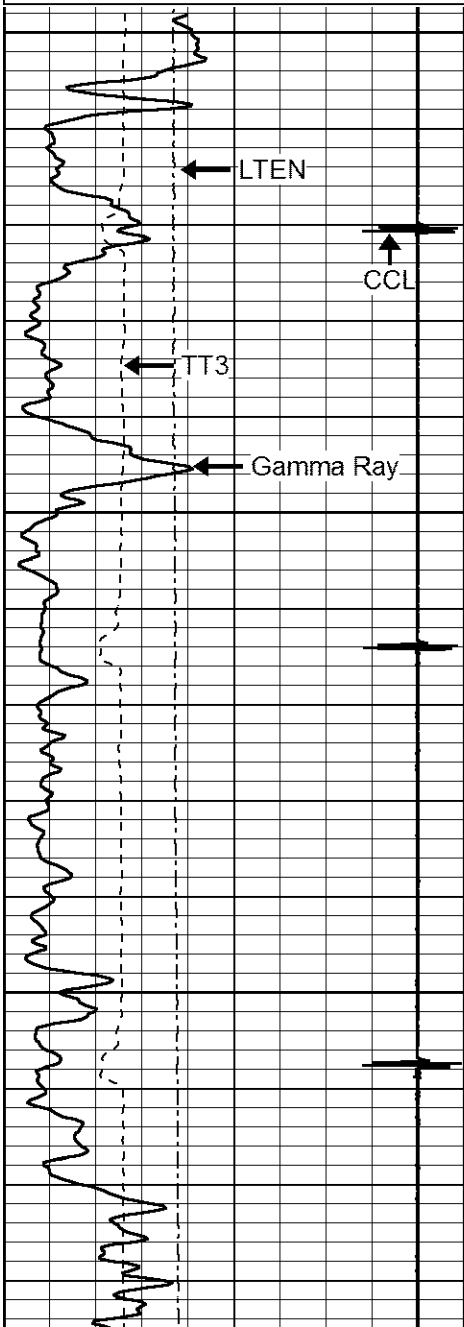


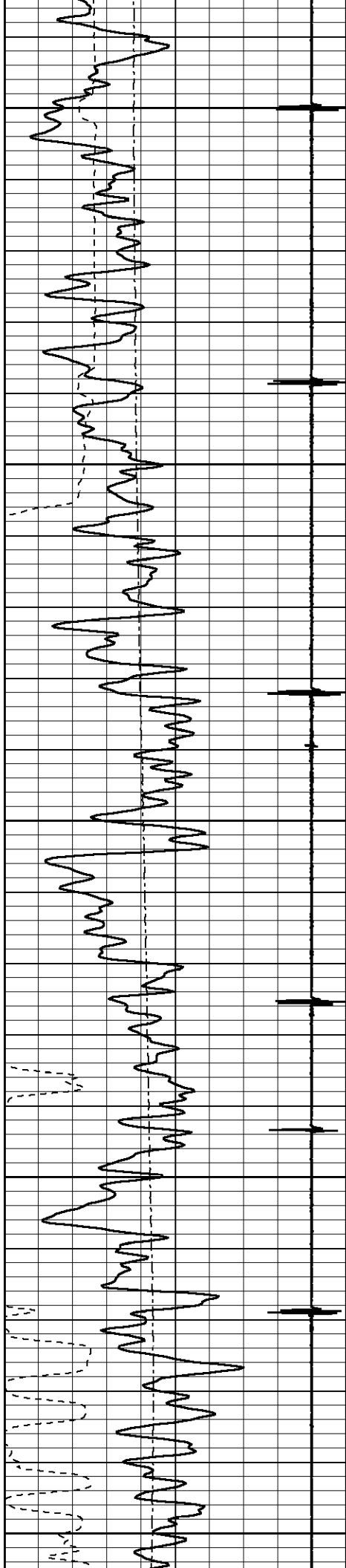
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Database File: pierce4.db  
Dataset Pathname: pass4  
Presentation Format: cbl02  
Dataset Creation: Tue Sep 01 13:31:09 2015 by Log 7.0 B1  
Charted by: Depth in Feet scaled 1:240

9	Collar Locator	-1
0	Gamma Ray (GAPI)	150
320	TT3 (usec)	120
0	LTEN (lb)	2000

0	Amplitude (mV)	100	200	VARIABLE DENSITY	1200
0	X5 Amplitude (mV)	20			





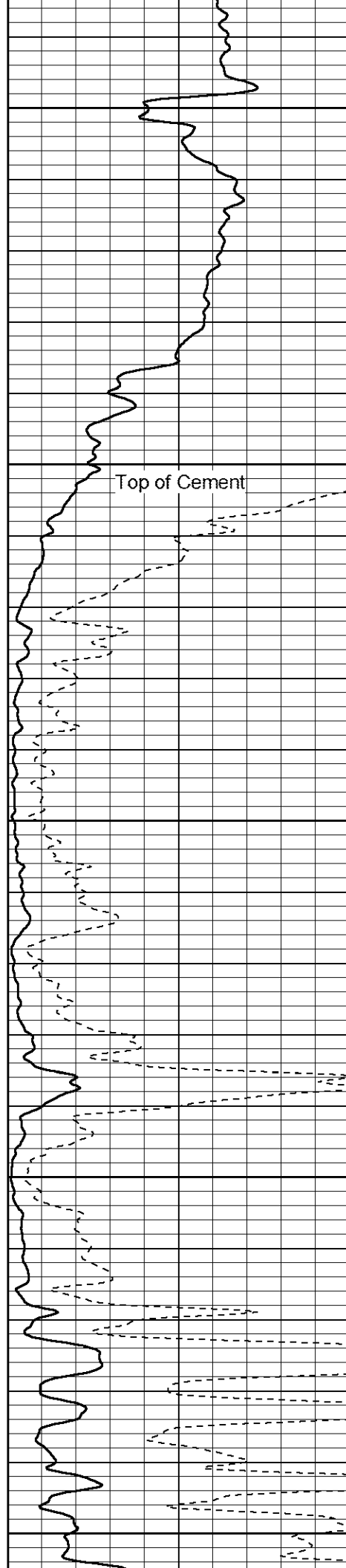
2150

2200

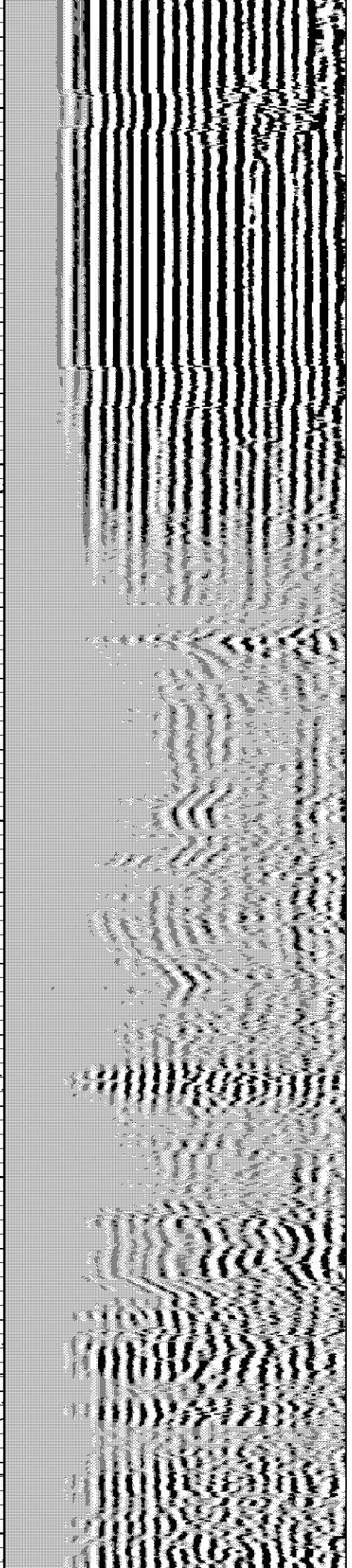
2250

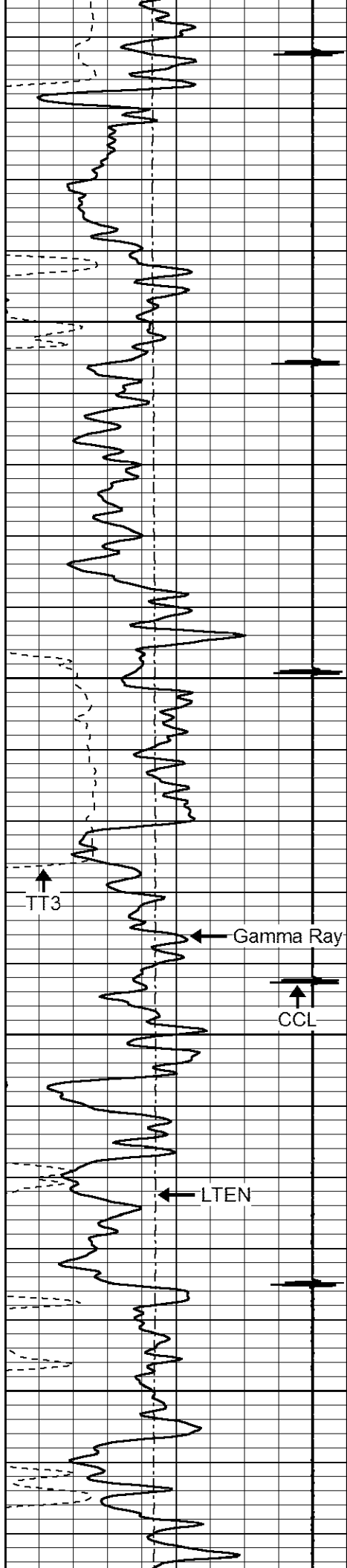
2300

2350



Top of Cement



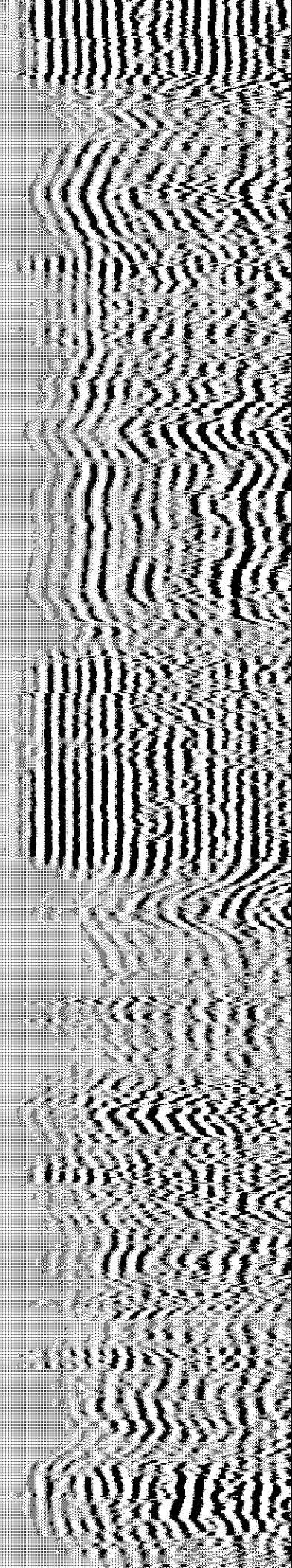
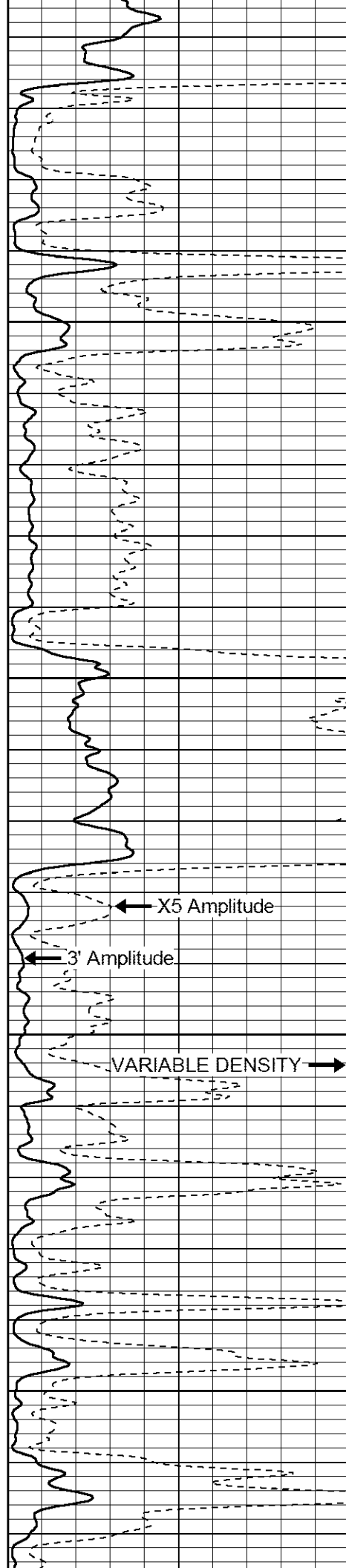


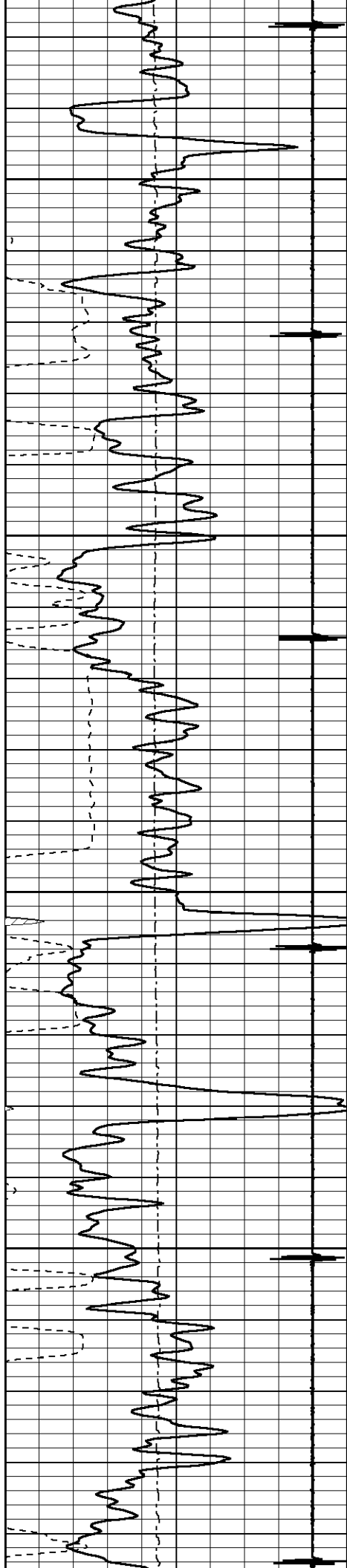
2400

2450

2500

2550



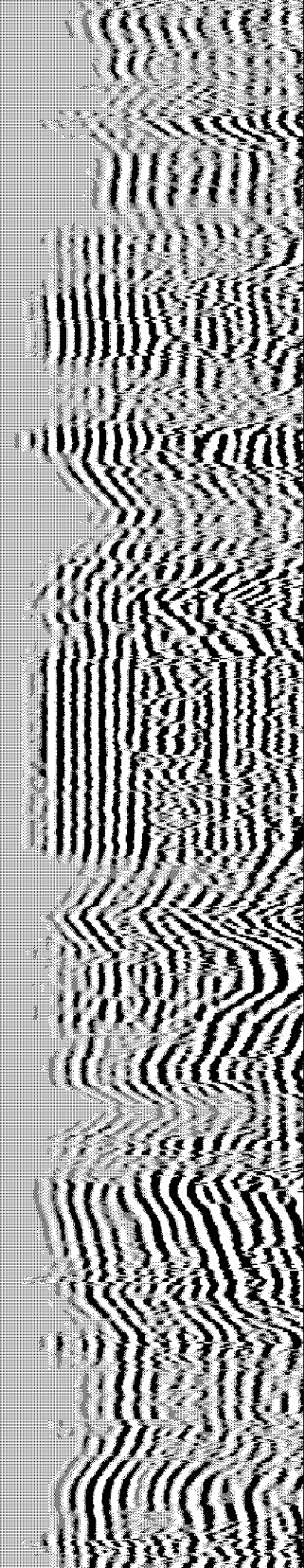
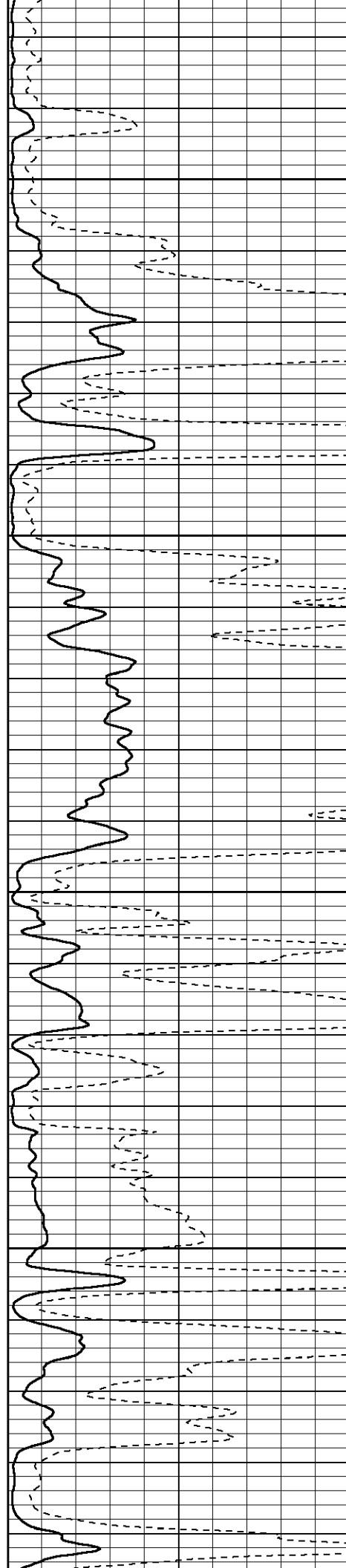


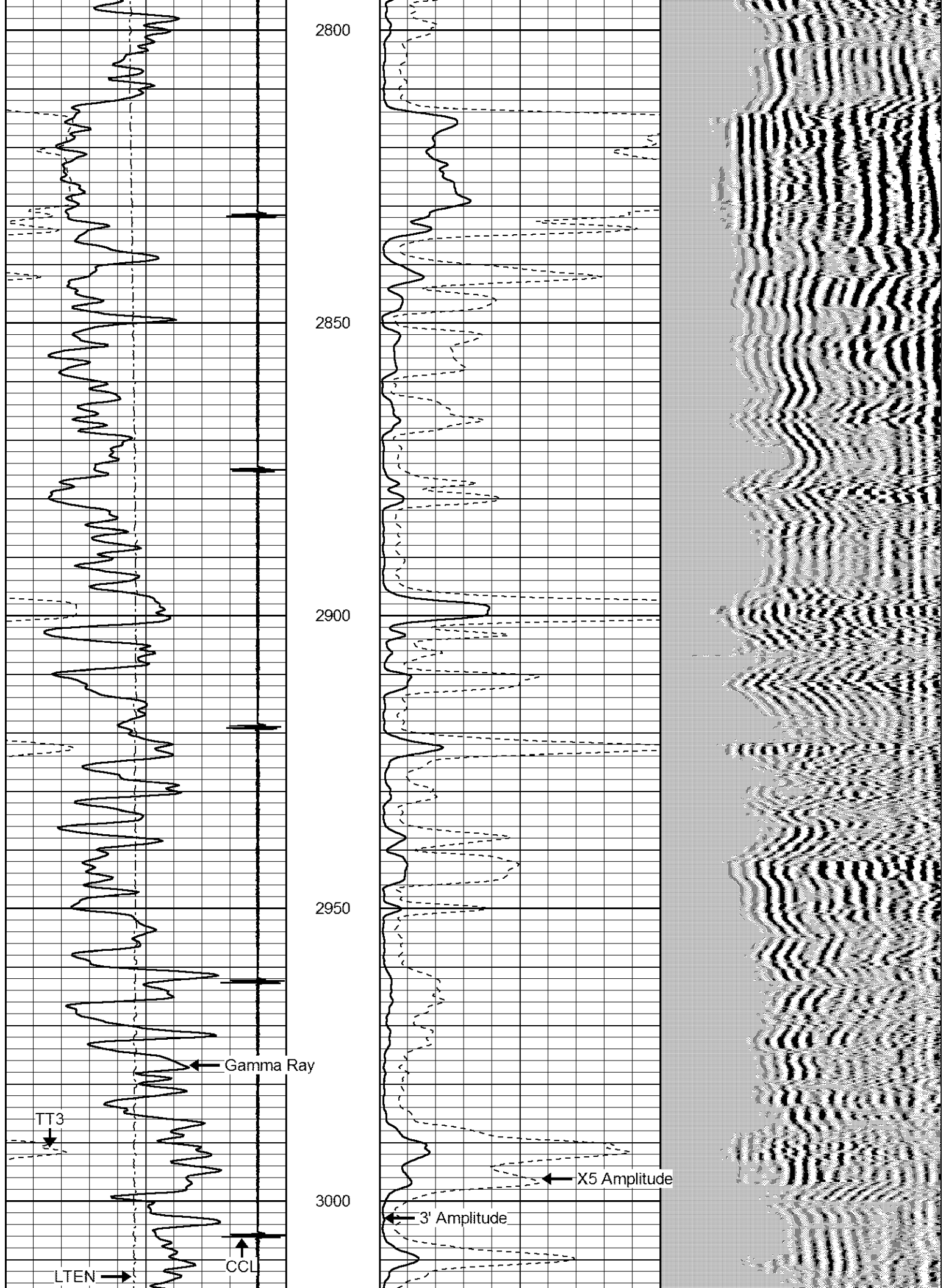
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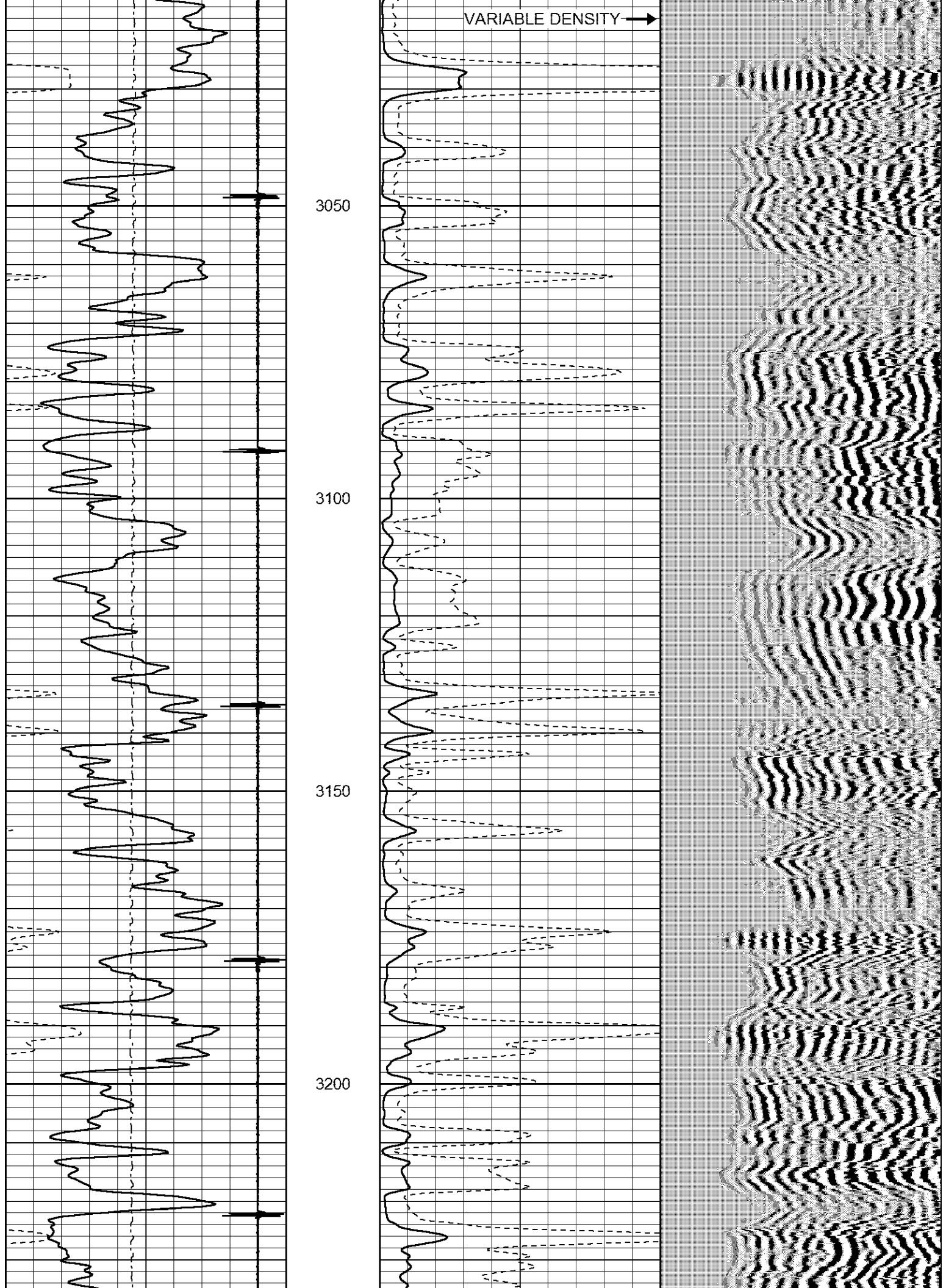
2650

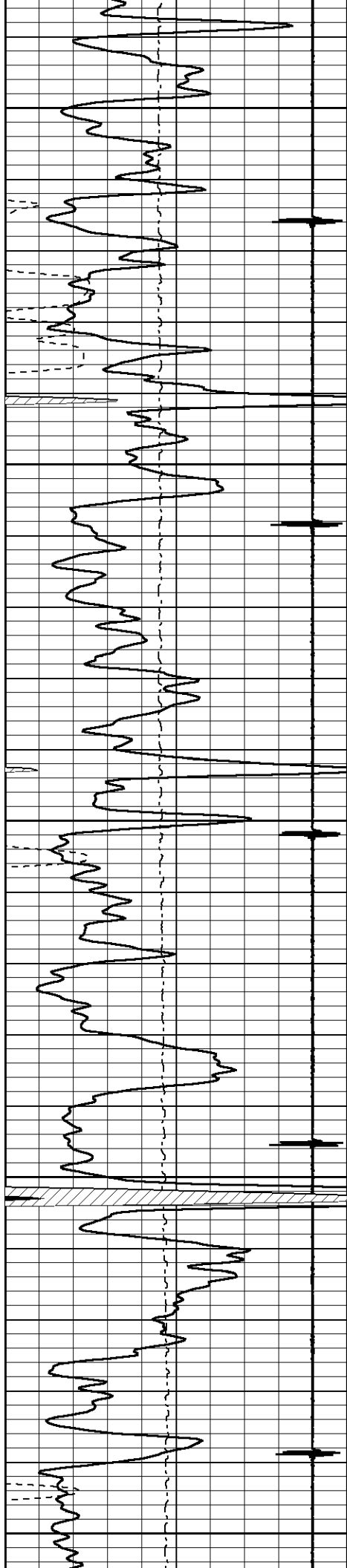
2700

2750









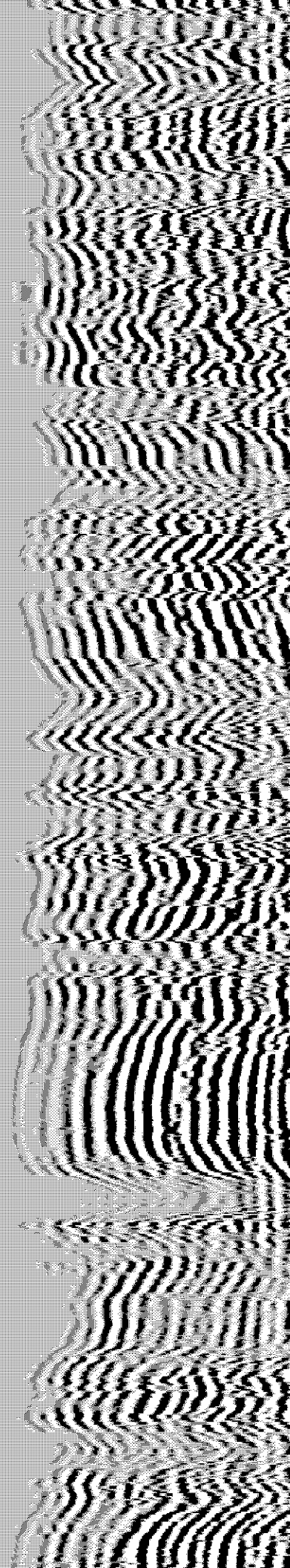
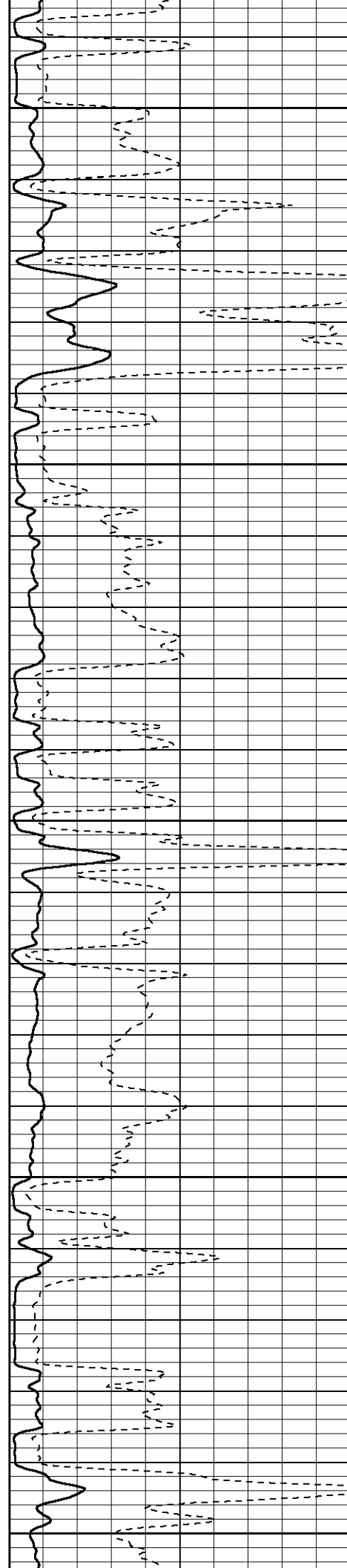
3250

3300

3350

3400

3450



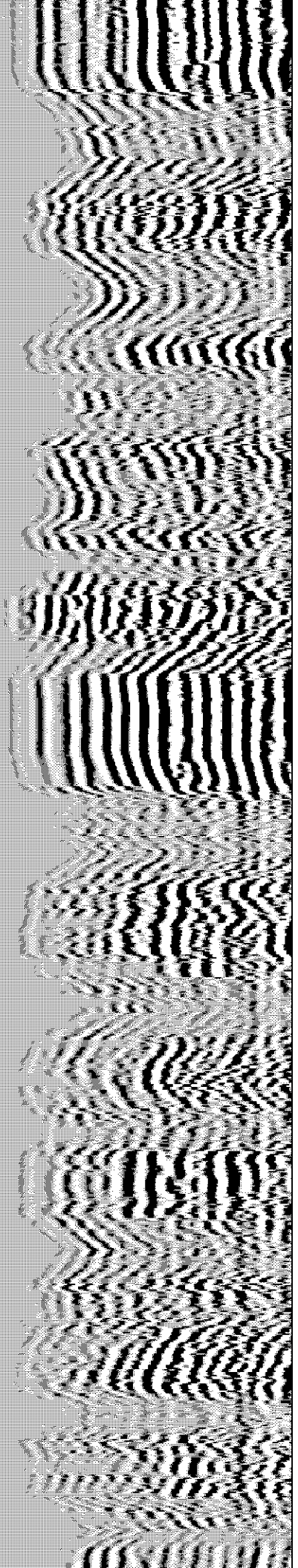
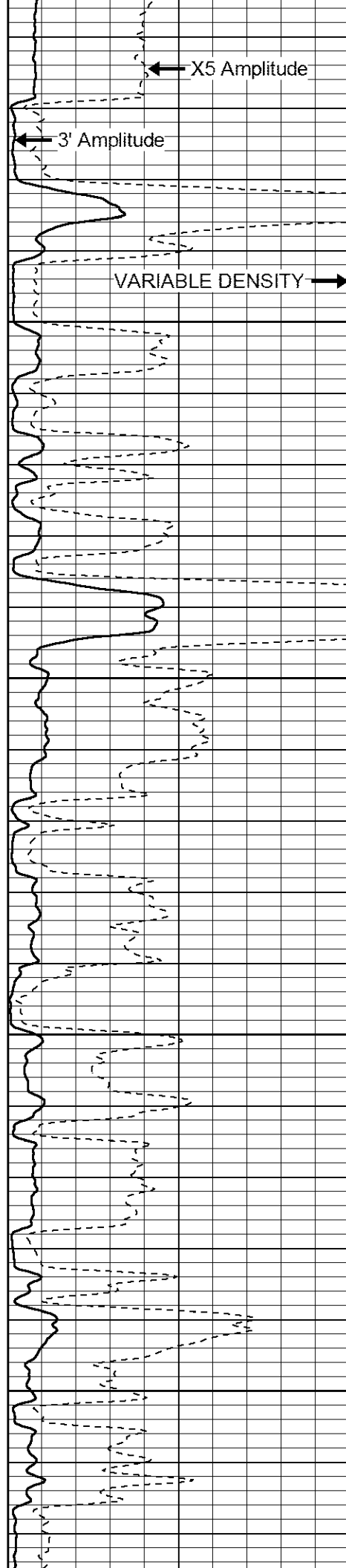


3500

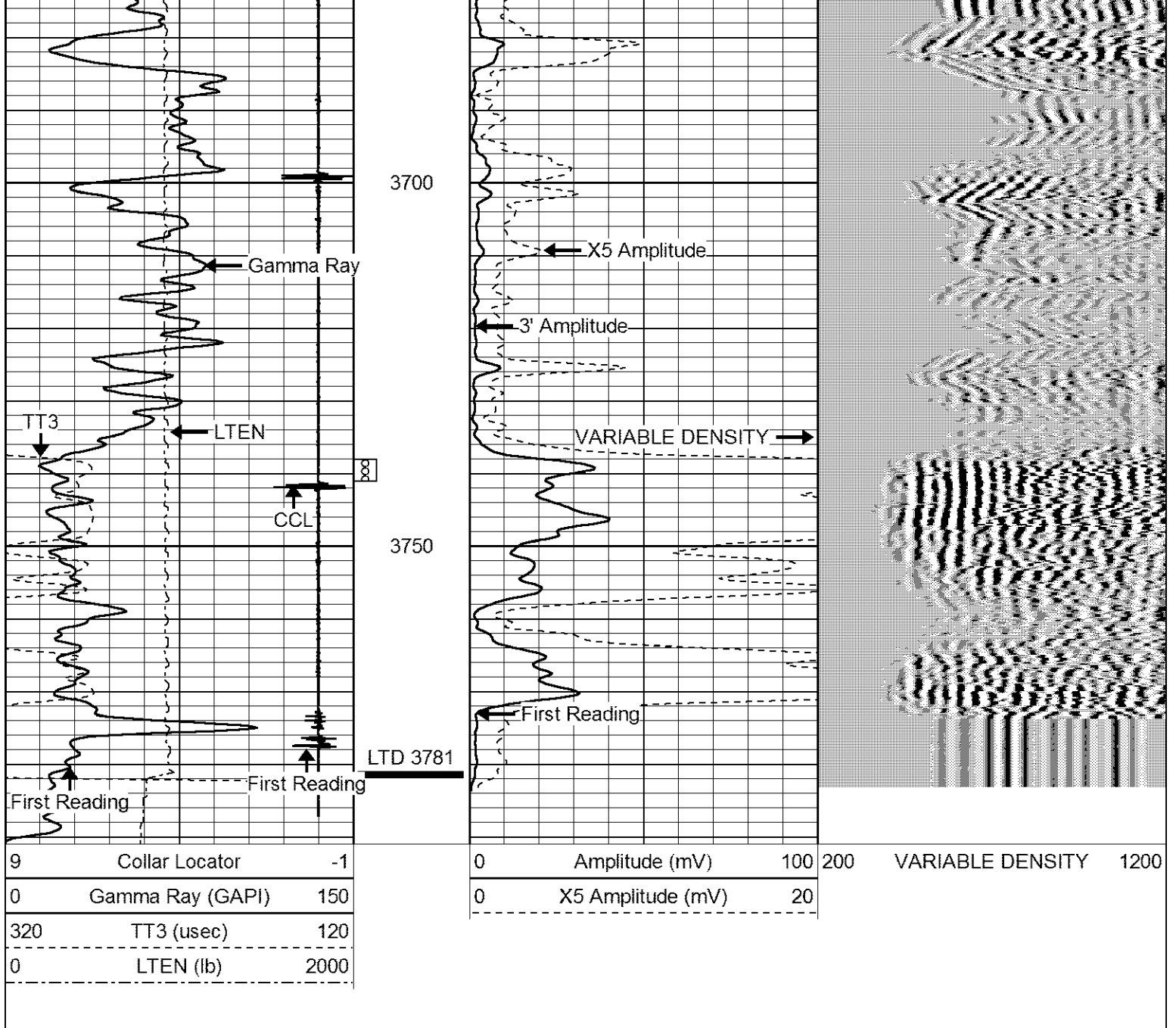
3550

3600

3650







**LOG-TECH**

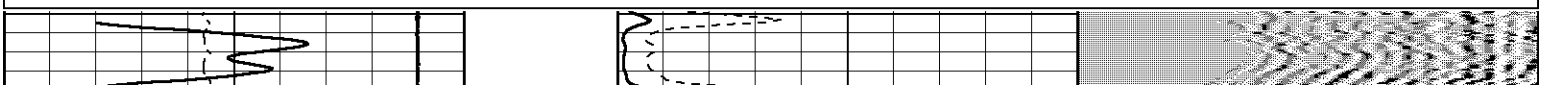
*of Kansas*  
*Inc.*

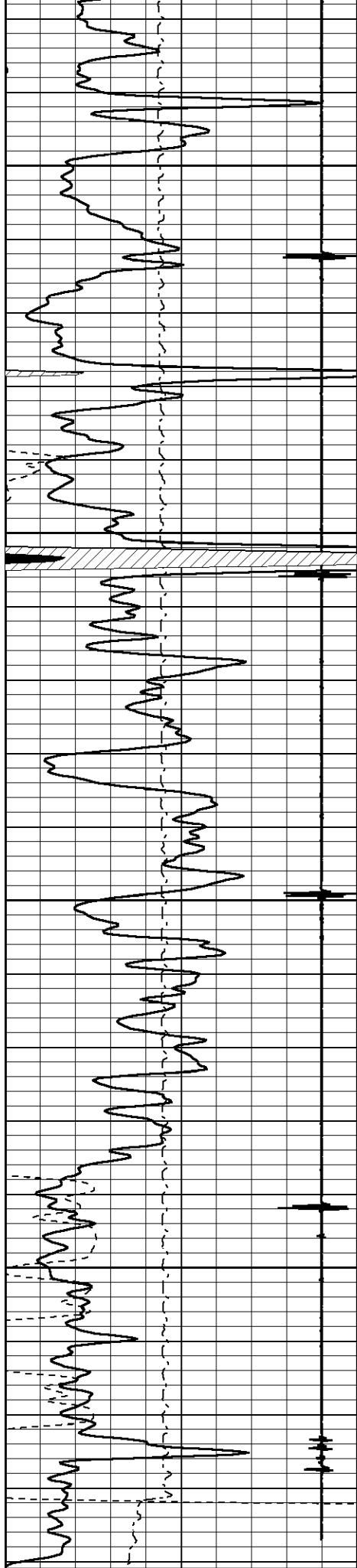
GREAT BEND, KANSAS

# REPEAT SECTION

Database File: pierce4.db  
 Dataset Pathname: pass3  
 Presentation Format: cbl02  
 Dataset Creation: Tue Sep 01 13:16:47 2015 by Log 7.0 B1  
 Charted by: Depth in Feet scaled 1:240

9	Collar Locator	-1	0	Amplitude (mV)	100	200	VARIABLE DENSITY	1200
0	Gamma Ray (GAPI)	150	0	X5 Amplitude (mV)	20			
320	TT3 (usec)	120						
0	LTEN (lb)	2000						





3600

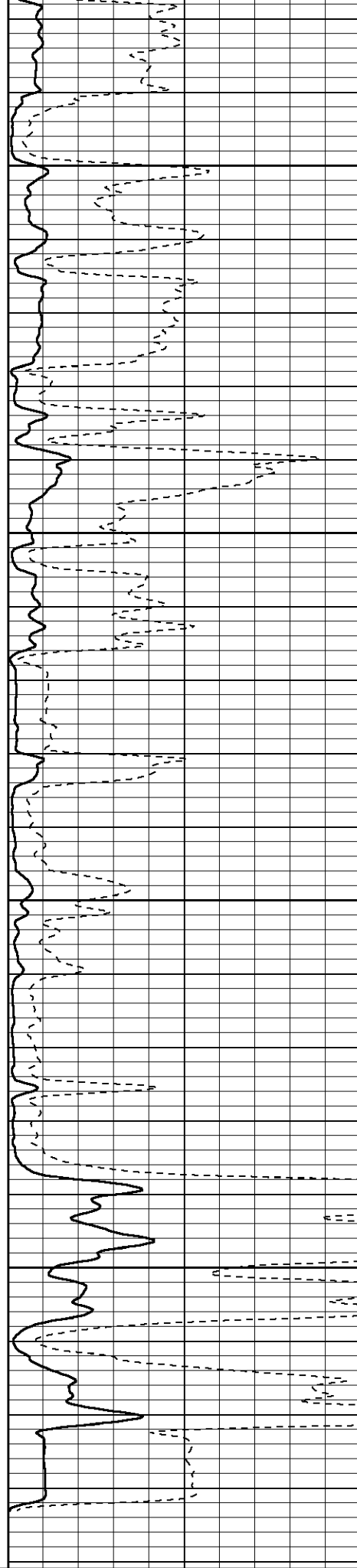
3650

3700

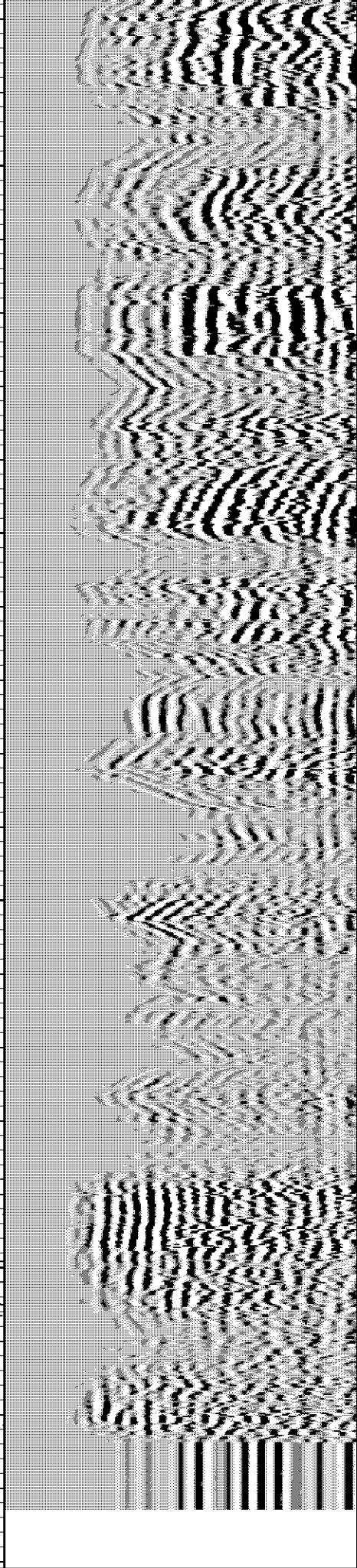
3750

100

9 Collar Locator -1



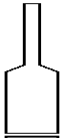
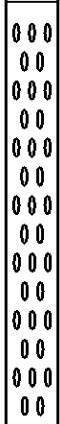
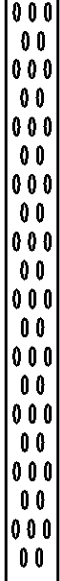


0 Amplitude (mV) 100



200 VARIABLE DENSITY 1200

0	Gamma Ray (GAPI)	150
320	TT3 (usec)	120
0	LTEN (lb)	2000

0 X5 Amplitude (mV) 20

Sensor	Offset (ft)	Schematic	Description	Len (ft)	OD (in)	Wt (lb)
			STNDRD Standard Cable Head	1.00	1.69	10.00
WVF3	8.76		CBL-probecbl (probecbl1) probe cbl	8.75	2.75	92.00
WVF5	7.76					
CCL	3.69		CCL-Probe (275) probe ccl	1.55	2.75	30.00
GR	0.90		GR-probegr (progr1) probe gamma ray	3.02	2.75	20.00

Dataset: pierce4.db: field/well/run1/pass5 Total Length: 14.32 ft Total Weight: 152.00 lb O.D. 2.75 in							





**TREATMENT REPORT**

Acid Stage No. \_\_\_\_\_

Date 7/3/2015 District G.B. F.O. No. C43346  
 Company Mike Kelso Oil  
 Well Name & No. Pierce #44  
 Location \_\_\_\_\_ Field \_\_\_\_\_  
 County Graham State KS  
 Casing: Size 5.5" Type & Wt. 15.5# Set at \_\_\_\_\_ ft.  
 Formation: \_\_\_\_\_ Perf. \_\_\_\_\_ to \_\_\_\_\_  
 Formation: \_\_\_\_\_ Perf. \_\_\_\_\_ to \_\_\_\_\_  
 Formation: \_\_\_\_\_ Perf. \_\_\_\_\_ to \_\_\_\_\_  
 Liner: Size \_\_\_\_\_ Type & Wt. \_\_\_\_\_ Top at \_\_\_\_\_ ft. Bottom at \_\_\_\_\_ ft.  
 Cemented:  Yes  No Perforated from \_\_\_\_\_ ft. to \_\_\_\_\_ ft.  
 Tubing: Size & Wt. \_\_\_\_\_ Swung at \_\_\_\_\_ ft.  
 Perforated from \_\_\_\_\_ ft. to \_\_\_\_\_ ft.  
 Open Hole Size \_\_\_\_\_ T.D. \_\_\_\_\_ ft. P.B. to \_\_\_\_\_ ft.

Type Treatment: \_\_\_\_\_ Amt. \_\_\_\_\_ Type Fluid \_\_\_\_\_ Sand Size \_\_\_\_\_ Pounds of Sand \_\_\_\_\_  
 Bkdown \_\_\_\_\_ Bbl./Gal. \_\_\_\_\_  
 \_\_\_\_\_ Bbl./Gal. \_\_\_\_\_  
 \_\_\_\_\_ Bbl./Gal. \_\_\_\_\_  
 \_\_\_\_\_ Bbl./Gal. \_\_\_\_\_  
 Flush \_\_\_\_\_ Bbl./Gal. \_\_\_\_\_  
 Treated from \_\_\_\_\_ ft. to \_\_\_\_\_ ft. No. ft. 0  
 from \_\_\_\_\_ ft. to \_\_\_\_\_ ft. No. ft. 0  
 from \_\_\_\_\_ ft. to \_\_\_\_\_ ft. No. ft. 0  
 Actual Volume of Oil / Water to Load Hole: \_\_\_\_\_ Bbl./Gal.  
 Pump Trucks, No. Used: Std. 320 Sp. \_\_\_\_\_ Twin \_\_\_\_\_  
 Auxiliary Equipment 327,317-308  
 Personnel Nathan Brandon Scott Jordan Mike  
 Auxiliary Tools \_\_\_\_\_  
 Plugging or Sealing Materials: Type \_\_\_\_\_ Gals. \_\_\_\_\_ lb.

Company Representative Mike K. Treater Nathan W.

TIME a.m./p.m.	PRESSURES		Total Fluid Pumped	REMARKS
	Tubing	Casing		
11:00		5.5"		On Location. Rig laying down collars.
12:30				Start casing and float equipment in hole.
				Hole-3810'
				Pipe-3809' Centralizers-1,4,7,9,11,14,52
				Baffle-3793' Baskets-3,49,70
				DV Tool-1683'
2:40				Drop ball to blow out auto-fill tube. Break circulation with mud pump. Circulate for 30 minutes.
3:10				Pump 600gal of Mud Flush
3:15				Plug Rat hole with 30sks 60/40poz 4%gel.
3:20				Tie on 5.5" casing. Mix 25sks 60/40poz 4%gel followed by 150sks 60/40 poz. 2%gel, 12%salt, .75%C-47a, .75%C-41p, 5#/sk gilsonite.
				Displace with 90.2bbbls at 6.5bpm-800# Plug landed at 1000#
3:55				Pressure up to 1500# Released pressure. Float held.
				Open DV Tool with 1200# Break circulation. Circulate for 2.5 hours.
				Mix 400sks 65/35poz 6%gel.
7:00				Displace with 40.05bbbls at 6bpm-350# Circulated cement to surface.
				Thank You! Nathan W.