



Confidentiality Requested:

Yes  No

**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
-----------------------------------	-----------------	---

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: \_\_\_\_\_

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. 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
--	---

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> _____	<b>PRODUCTION INTERVAL:</b> _____ _____
--	---	---

Form	ACO1 - Well Completion
Operator	Mike Kelso Oil, Inc.
Well Name	Meyer Ankerholz 13
Doc ID	1212066

Tops

Name	Top	Datum
HEEBNER SHALE	2611	-887
TORONTO	2632	-908
DOUGLAS SHALE	2652	-928
BROWN LIME	2741	-1017
LKC	2776	-1052
SIMPSON SHALE	3117	-1393
SIMPSON SAND	3123	-1399
ARBUCKLE	3159	-1435
RTD	3345	-1621



## Summary of Changes

Lease Name and Number: Meyer Ankerholz 13

API/Permit #: 15-159-22783-00-00

Doc ID: 1212066

Correction Number: 1

Approved By: NAOMI JAMES

Field Name	Previous Value	New Value
Approved Date	06/25/2014	06/26/2014
Disposition Of Gas - Vented	Yes	No
Save Link	<a href="http://.../kcc/detail/operatorEditDetail.cfm?docID=1211871">../..kcc/detail/operatorEditDetail.cfm?docID=1211871</a>	<a href="http://.../kcc/detail/operatorEditDetail.cfm?docID=1212066">../..kcc/detail/operatorEditDetail.cfm?docID=1212066</a>



Confidentiality Requested:

Yes  No

KANSAS CORPORATION COMMISSION 1211871  
OIL & GAS CONSERVATION DIVISION

Form ACO-1  
August 2013

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

**CONFIDENTIAL** 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
-----------------------------------	-----------------	---

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: \_\_\_\_\_

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 Geologist Report / Mud Logs <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
--	---

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				

1. Did you perform a hydraulic fracturing treatment on this well?  Yes  No *(If No, skip questions 2 and 3)*
2. Does the volume of the total base fluid of the hydraulic fracturing treatment exceed 350,000 gallons?  Yes  No *(If No, skip question 3)*
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)*

Date of first Production/Injection or Resumed Production/Injection:	Producing Method: <input type="checkbox"/> Flowing <input type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other <i>(Explain)</i> _____			
Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio Gravity

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

Shots Per Foot	Perforation Top	Perforation Bottom	Bridge Plug Type	Bridge Plug Set At	Acid, Fracture, Shot, Cementing Squeeze Record <i>(Amount and Kind of Material Used)</i>

TUBING RECORD:	Size:	Set At:	Packer At:	
----------------	-------	---------	------------	--

Form	ACO1 - Well Completion
Operator	Mike Kelso Oil, Inc.
Well Name	Meyer Ankerholz 13
Doc ID	1211871

Tops

Name	Top	Datum
HEEBNER SHALE	2611	-887
TORONTO	2632	-908
DOUGLAS SHALE	2652	-928
BROWN LIME	2741	-1017
LKC	2776	-1052
SIMPSON SHALE	3117	-1393
SIMPSON SAND	3123	-1399
ARBUCKLE	3159	-1435
RTD	3345	-1621



Form	ACO1 - Well Completion
Operator	Mike Kelso Oil, Inc.
Well Name	Meyer Ankerholz 13
Doc ID	1211871

Perforations

Shots Per Foot	Perforation Record	Material Record	Depth
4	3160-3166	100gals mod202	3160-3166



**TREATMENT REPORT**

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

Date 5/16/2014 District G.B. F.O. No. C40177

Company Mike Kelso Oil

Well Name & No. Ankerholtz 13

Location \_\_\_\_\_ Field \_\_\_\_\_

County Rice State KS

Type Treatment:	Amt.	Type Fluid	Sand Size	Pounds of Sand
Bkdown	_____ Bbl./Gal.	_____	_____	_____
	_____ Bbl./Gal.	_____	_____	_____
	_____ Bbl./Gal.	_____	_____	_____
	_____ Bbl./Gal.	_____	_____	_____
Flush	_____ Bbl./Gal.	_____	_____	_____

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:  Perforated from \_\_\_\_\_ ft. to \_\_\_\_\_ ft.

Tubing: Size & Wt. \_\_\_\_\_ Swung at \_\_\_\_\_ ft.

Perforated from \_\_\_\_\_ ft. to \_\_\_\_\_ ft.

Treated from _____ ft. to _____ ft.	No. ft.	<u>0</u>
from _____ ft. to _____ ft.	No. ft.	<u>0</u>
from _____ ft. to _____ ft.	No. ft.	<u>0</u>

Actual Volume of Oil / Water to Load Hole: \_\_\_\_\_ Bbl./Gal.

Pump Trucks. No. Used: Std. 320 Sp. \_\_\_\_\_ Twin \_\_\_\_\_

Auxiliary Equipment \_\_\_\_\_

Personnel Nathan Greg Joe

Auxiliary Tools \_\_\_\_\_

Plugging or Sealing Materials: Type \_\_\_\_\_

Open Hole Size \_\_\_\_\_ T.D. \_\_\_\_\_ ft. P.B. to \_\_\_\_\_ ft.

\_\_\_\_\_ Gals. \_\_\_\_\_ lb.

Company Representative Mike Kelso Treater Nathan W.

TIME a.m./p.m.	PRESSURES		Total Fluid Pumped	REMARKS
	Tubing	Casing		
9:45		5.5"		On Location. Rig out of hole with drill pipe.
				Hole-3345'
				Pipe-3341' Centralizers-1-2-4-7-11
				Baffle-3301' Baskets-1-3-6
				Land pipe at 3341' Break circulation with mud pump. Circulate hole for 30 minutes.
				Pressure test lines and valves to 1500# Held.
				Plug rat hole with 30sks 60/40poz.
				Mix 60sks 60/40poz.
				Mix 175sks 60/40poz 2%gel 18%salt .5%C37 .5%C41p 5#/sk Gilsonite.
				Pump out lines and release plug.
				Displace with 78.5bbls at 7.5bpm-1100# Plug landed at 1500#
2:30				Release pressure. Float held.
				Thank You!
				Nathan W.



## CEMENT BOND LOG

Company **MIKE KELSO OIL, INC.**  
 Well **MEYER ANKERHOLZ #13**  
 Field **GENESEO - EDWARDS**  
 County **RICE**  
 State **KANSAS**

Company **MIKE KELSO OIL, INC.**  
 Well **MEYER ANKERHOLZ #13**  
 Field **GENESEO - EDWARDS**  
 County **RICE** State **KANSAS**

Location **1,650' FSL & 330' FWL**  
 SEC. **30** TWP. **18S** RGE. **7W**  
 Permanent Datum **GROUND LEVEL** Elevation **1717**  
 Log Measured From **KELLY BUSHING 7' AGL**  
 Drilling Measured From **KELLY BUSHING**  
 Other Services **PERFS**  
 Elevation **K.B. 1724**  
**D.F. 1717**  
**G.L. 1717**

Date	6-4-2014						
Run Number	ONE						
Depth Driller	3345						
Depth Logger	3388						
Bottom Logged Interval	3387						
Top Log Interval	1300						
Open Hole Size	WATER						
Type Fluid	WATER						
Density / Viscosity							
Max. Recorded Temp.							
Estimated Cement Top	1500						
Time Well Ready							
Time Logger on Bottom							
Equipment Number	#53						
Location	GREAT BEND						
Recorded By	LANCE GREGG						
Witnessed By	MR. KELSO						
Borehole Record		Tubing Record					
Run Number	Bit	From	To	Size	Weight	From	To
Casing Record	Size	Wgt/Ft		Top	Bottom		
Surface String	8.625	23#		0	N/A		
Prot. String							
Production String	5.5	15.5		0	3344		
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

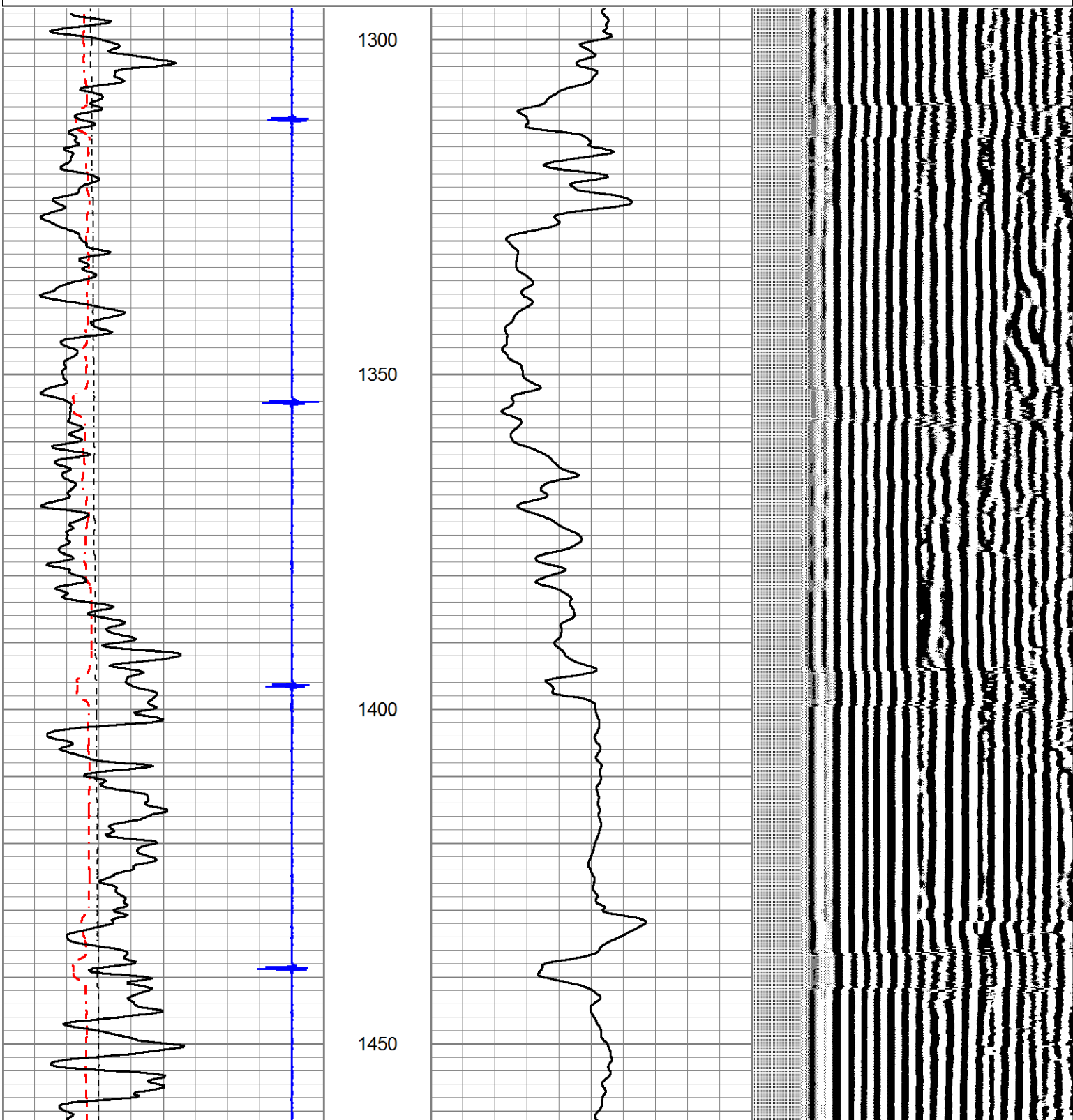
DIRECTIONS

GENESEO, KS.  
 EAST TO ROAD 19 TH  
 4 3/4 SOUTH EAST INTO

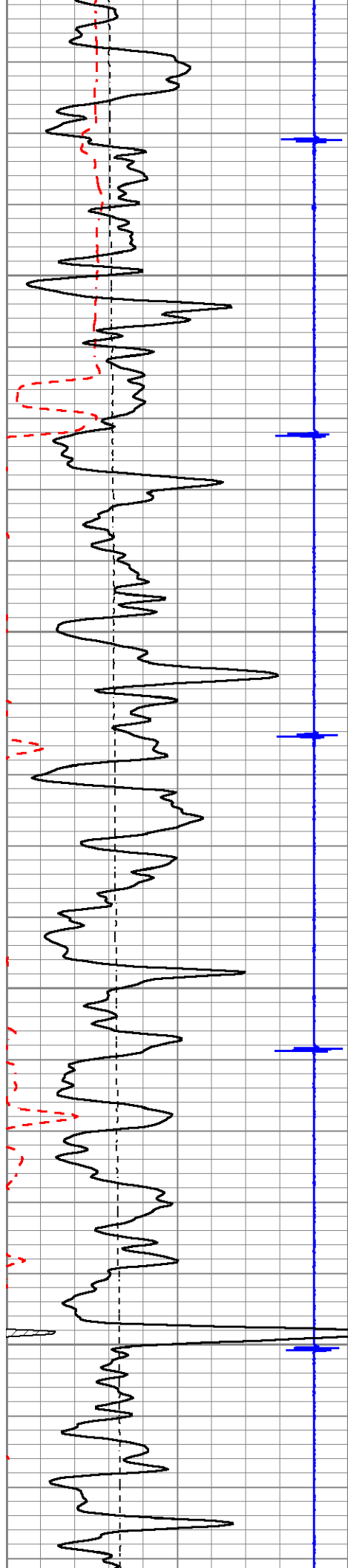
Database File meyers13.db  
 Dataset Pathname pass2  
 Presentation Format scbl\_dr  
 Dataset Creation Wed Jun 04 09:41:10 2014  
 Charted by Depth in Feet scaled 1:240

320	TT3FT (usec)	120
-9	Collar Locator	1
0	LTEN (lb)	1200
0	Gamma Ray (GAPI)	150
150	Gamma Ray (GAPI)	300
300	Gamma Ray (GAPI)	450

0 Amplitude (mV) 100 200 VDL 1200







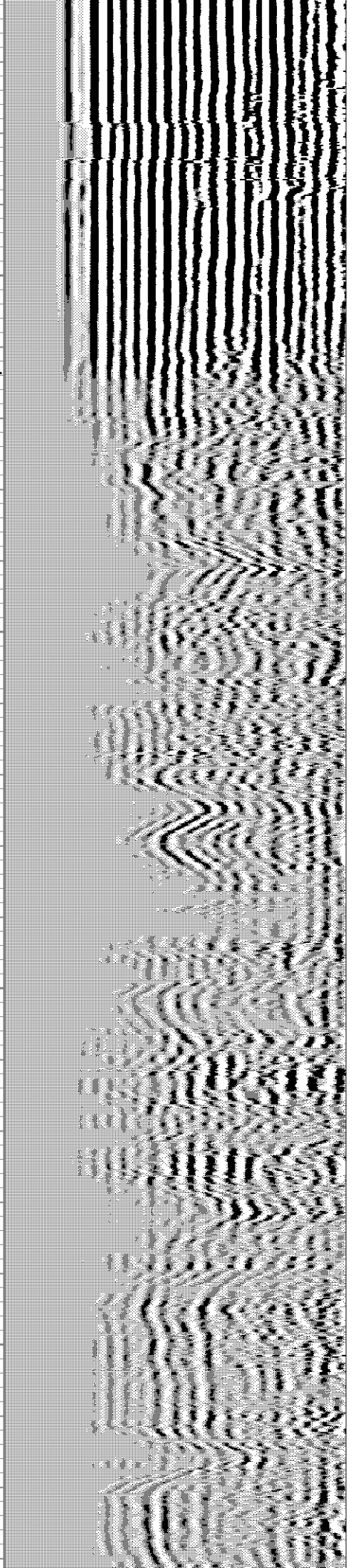
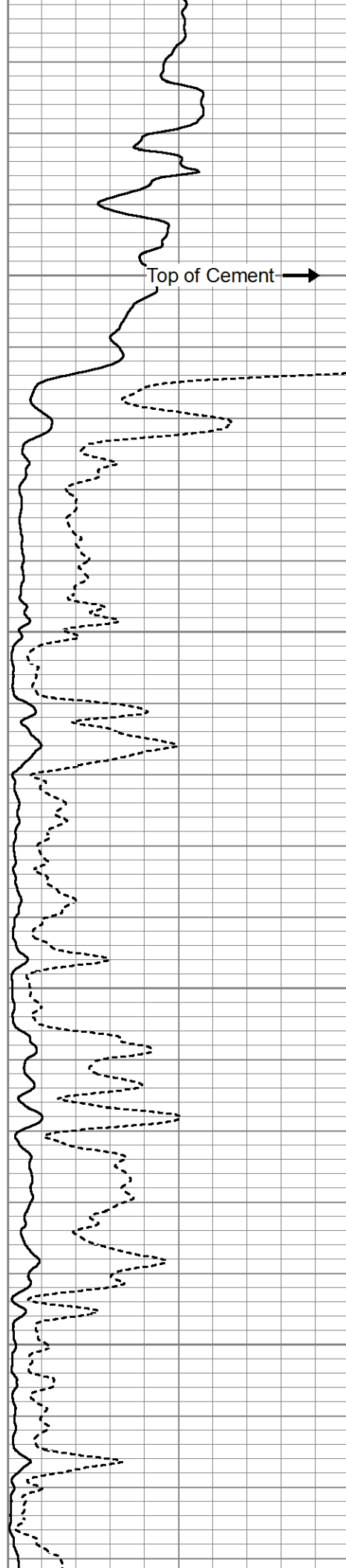
1500

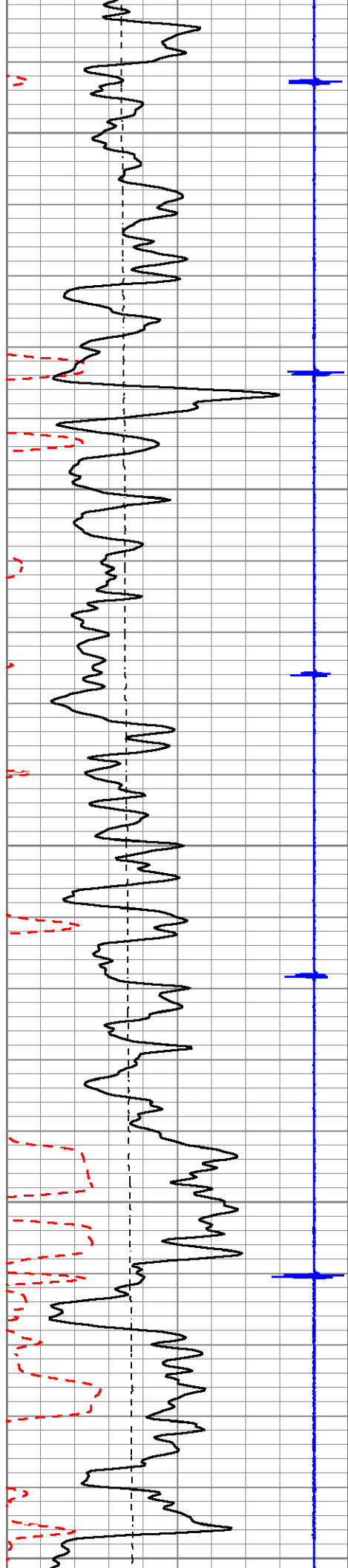
Top of Cement →

1550

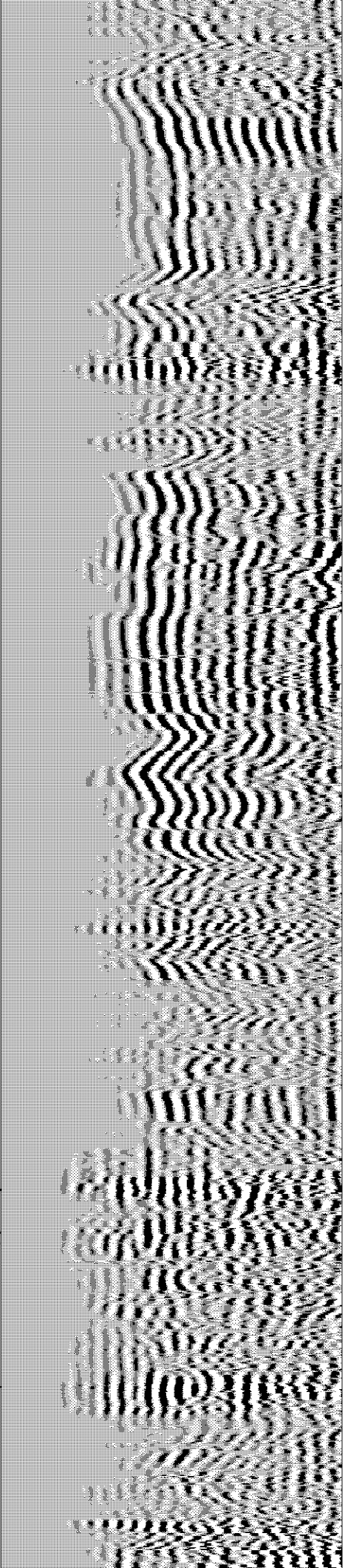
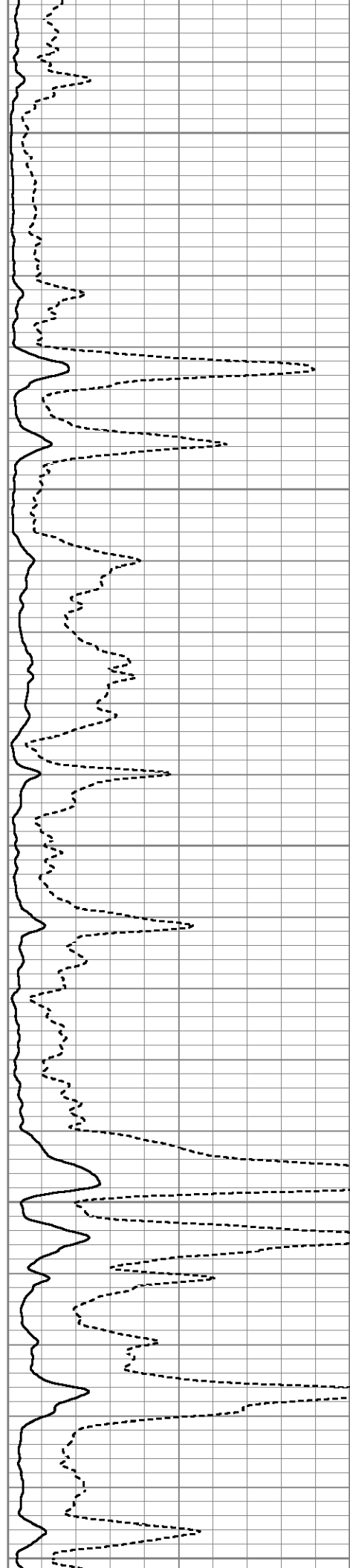
1600

1650

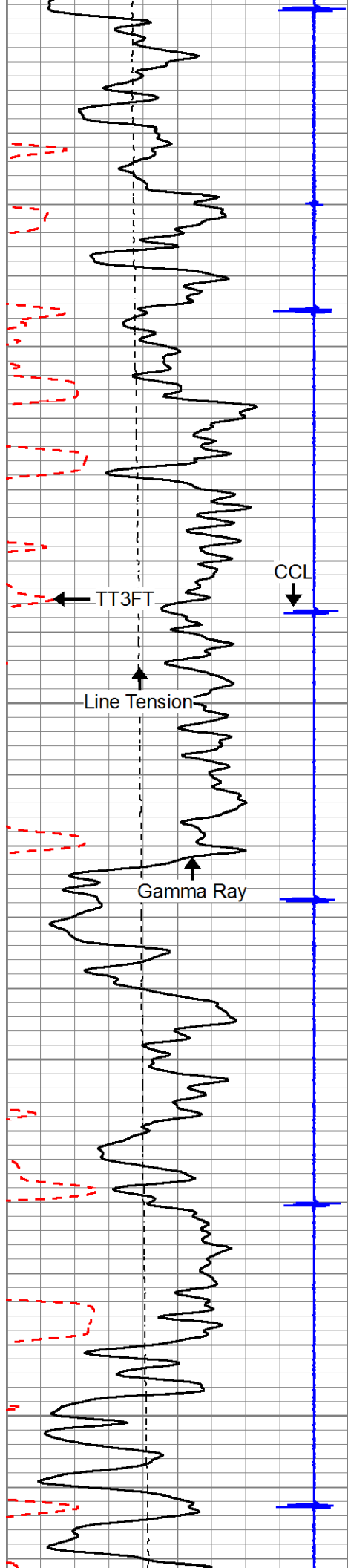




1700  
1750  
1800  
1850  
1900





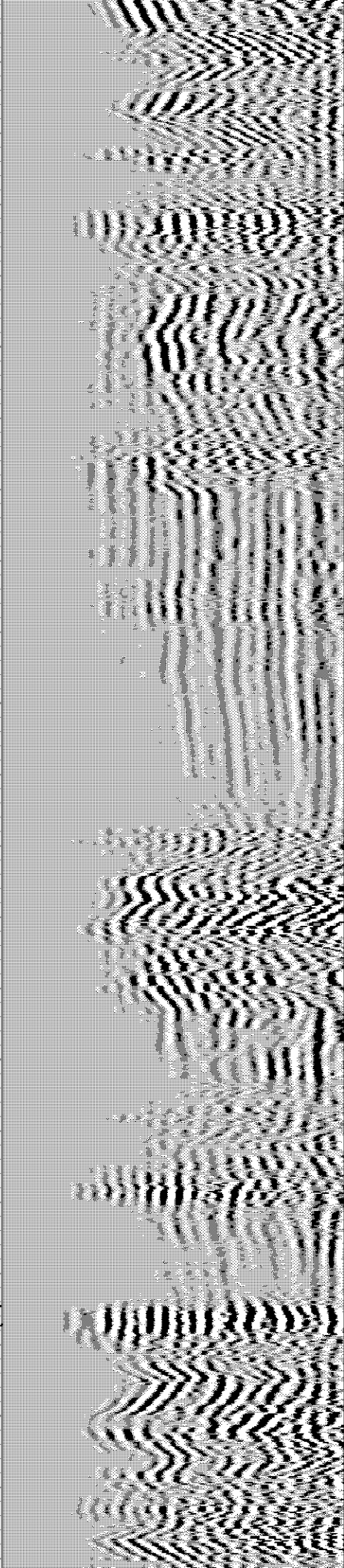
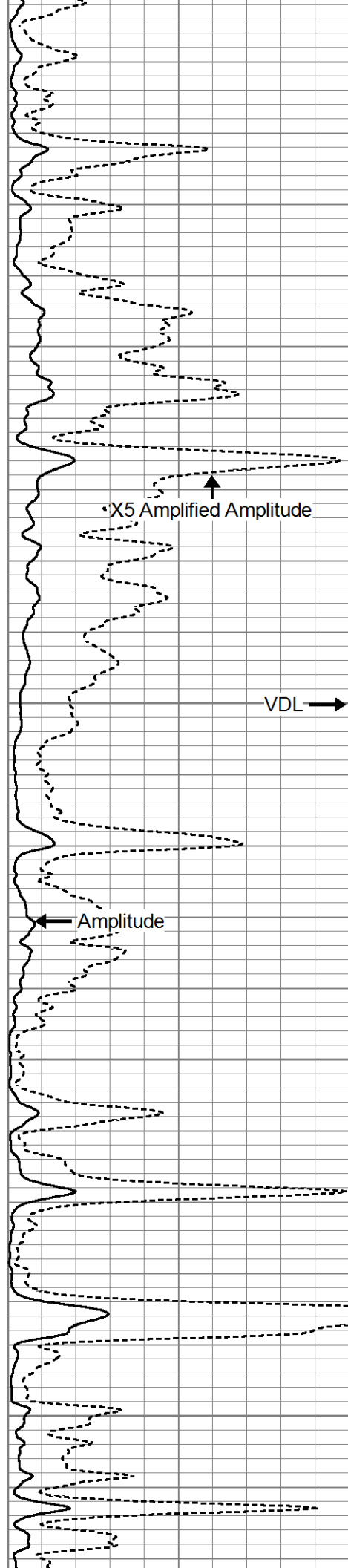


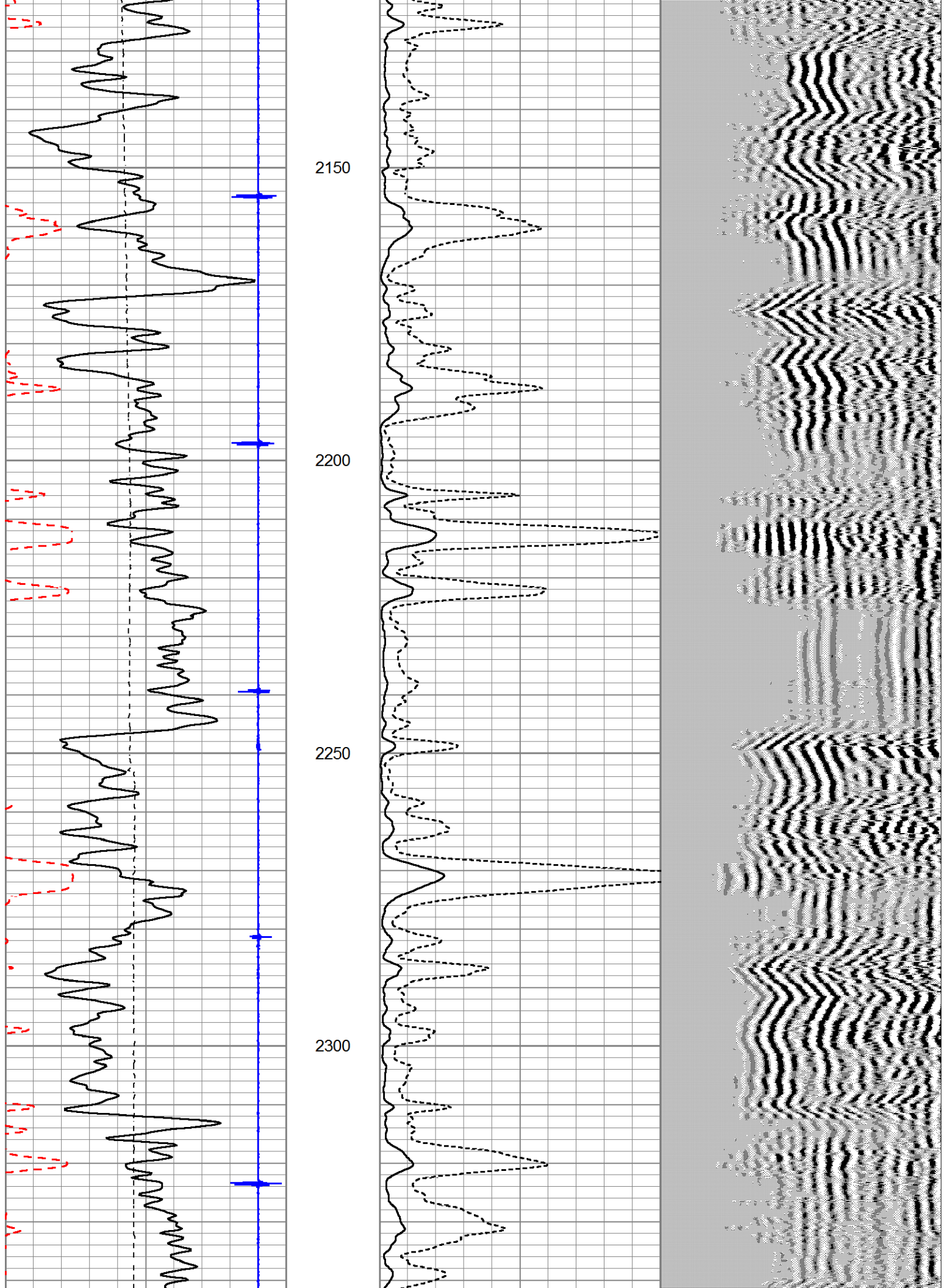
1950

2000

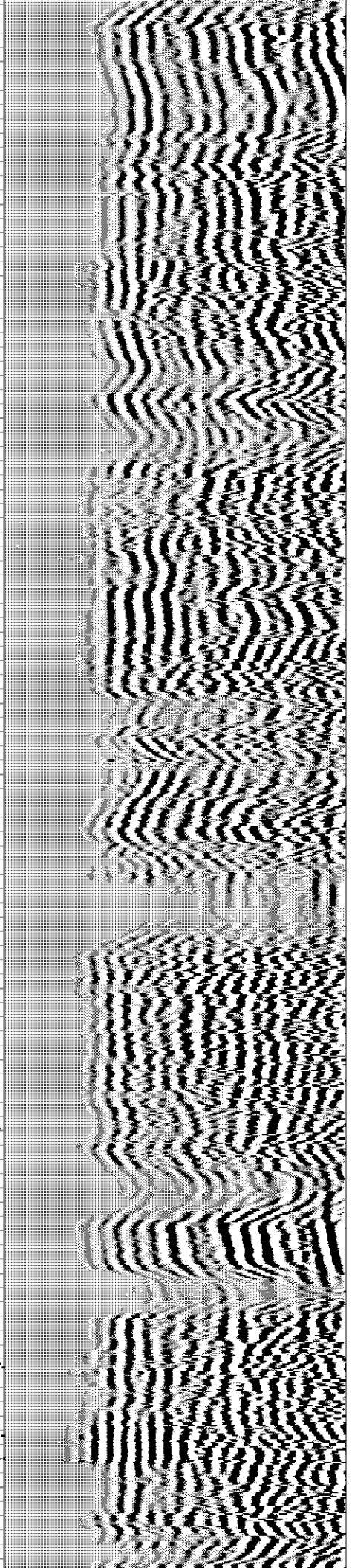
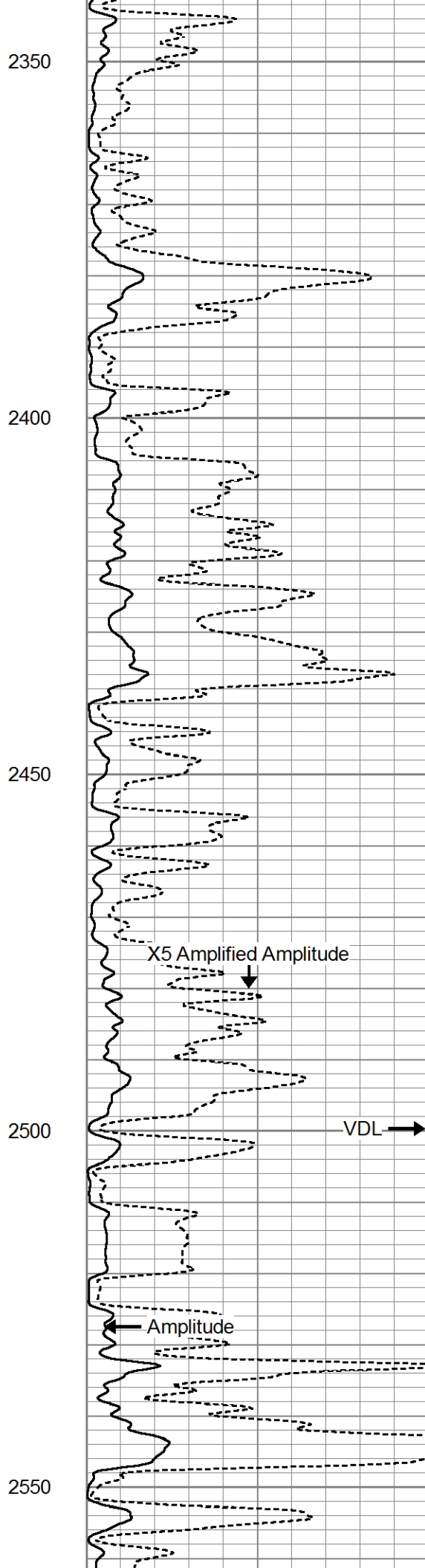
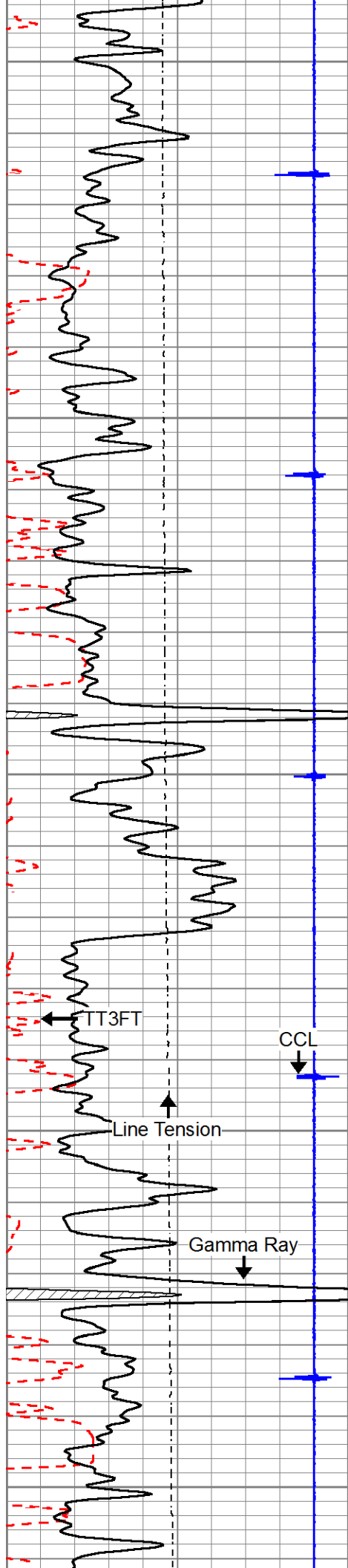
2050

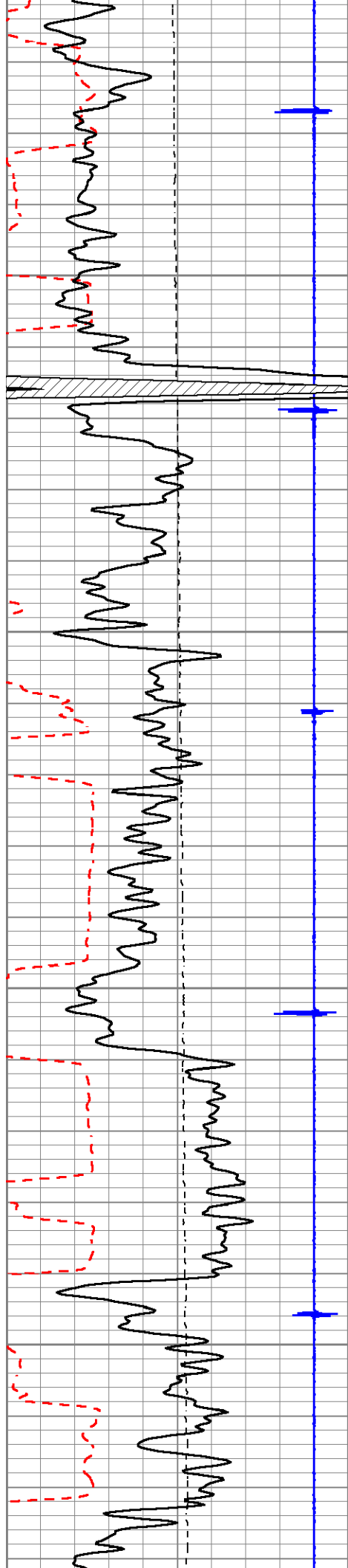
2100









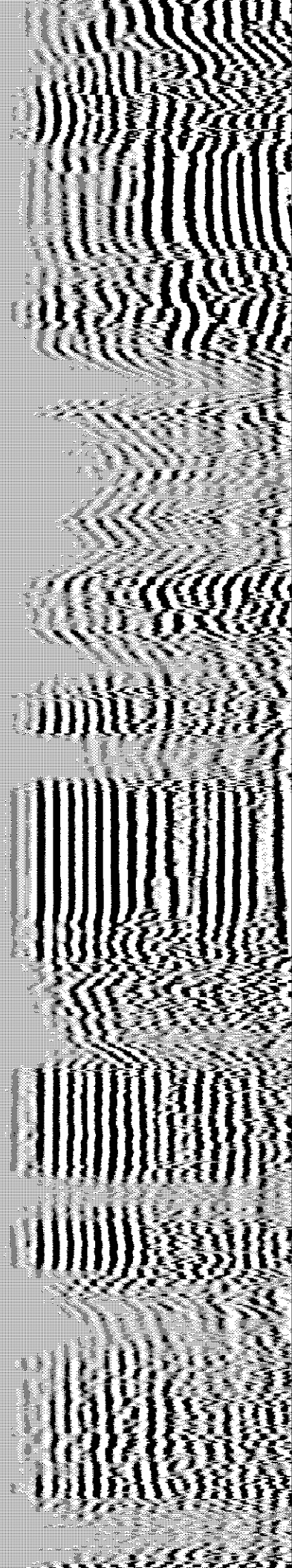
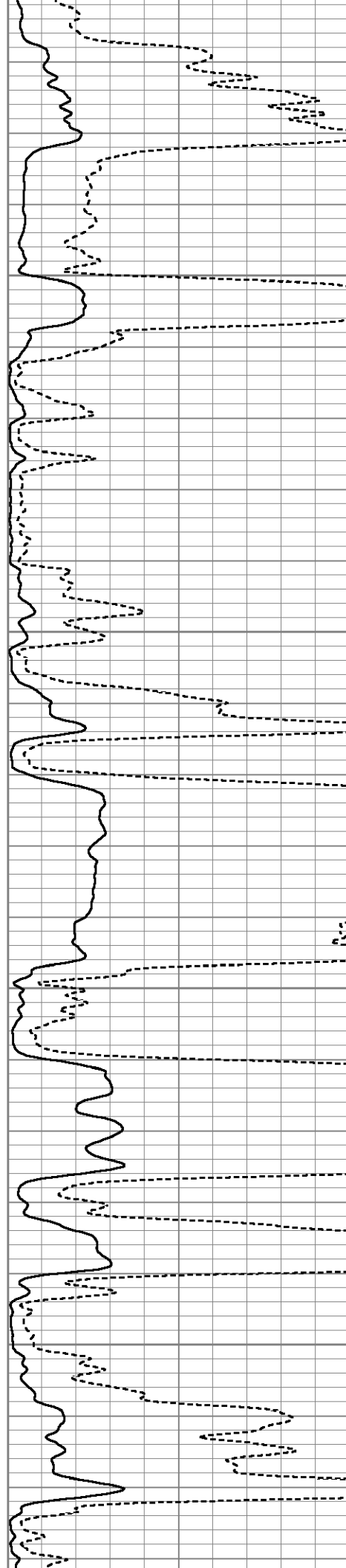


2600

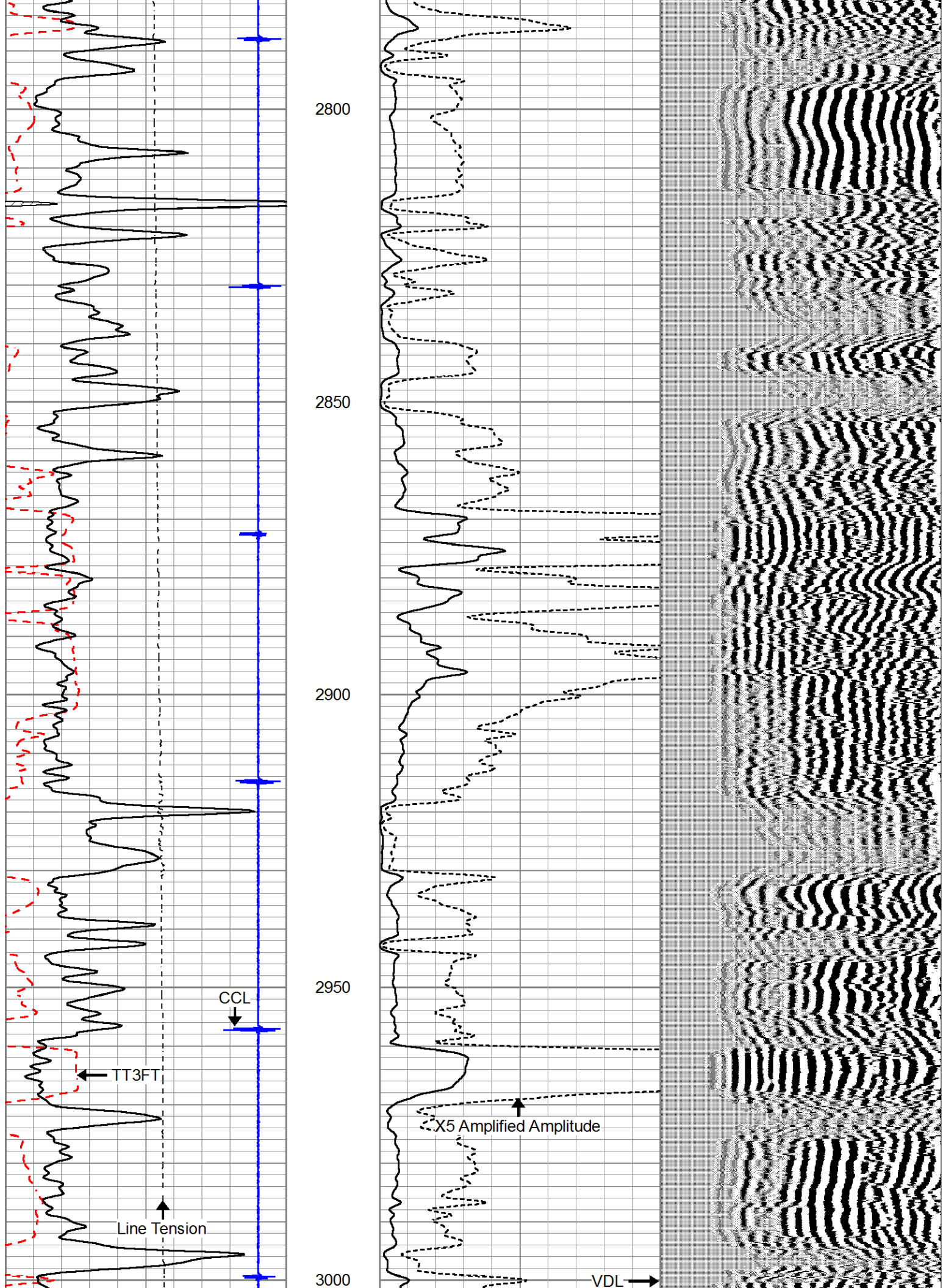
2650

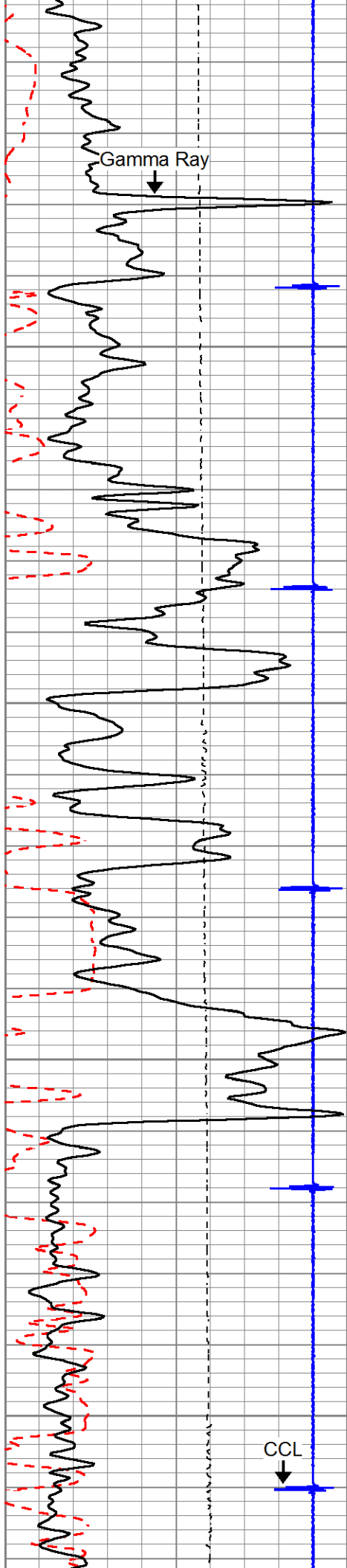
2700

2750







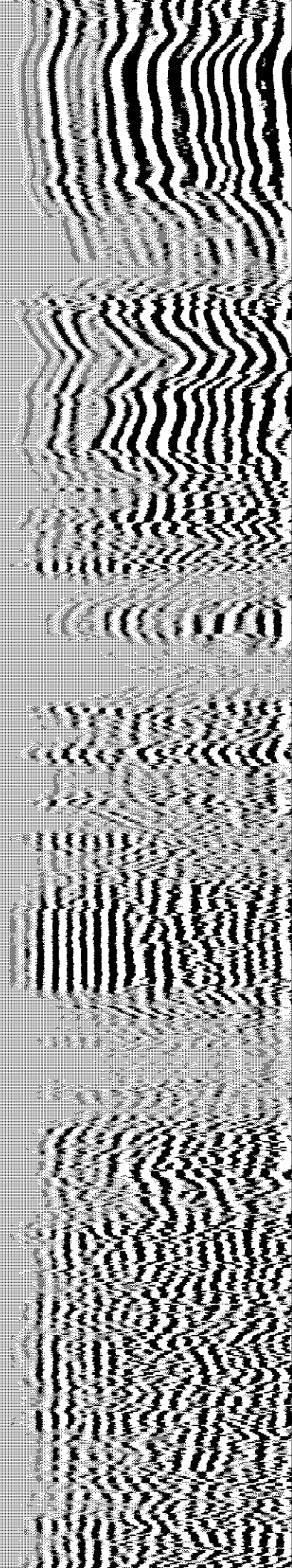
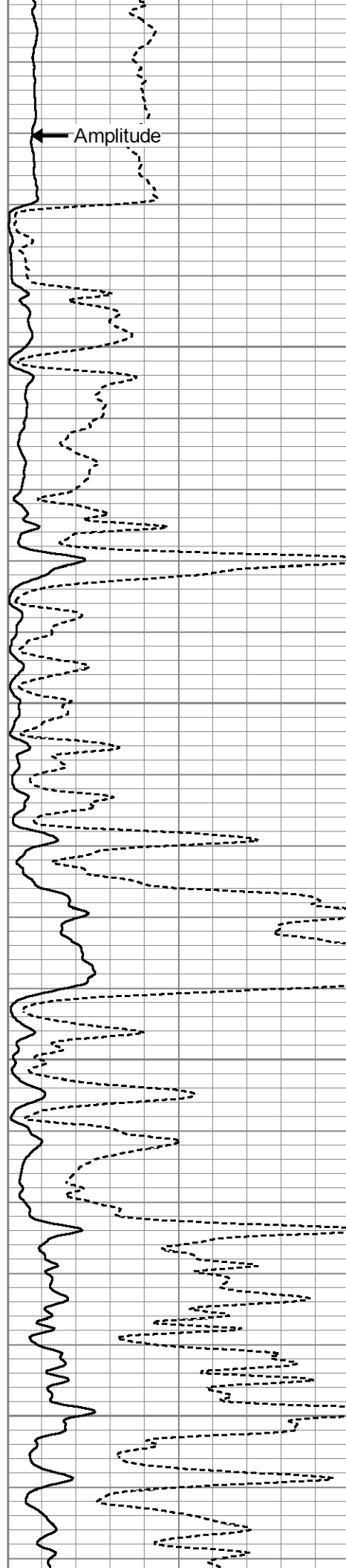


3050

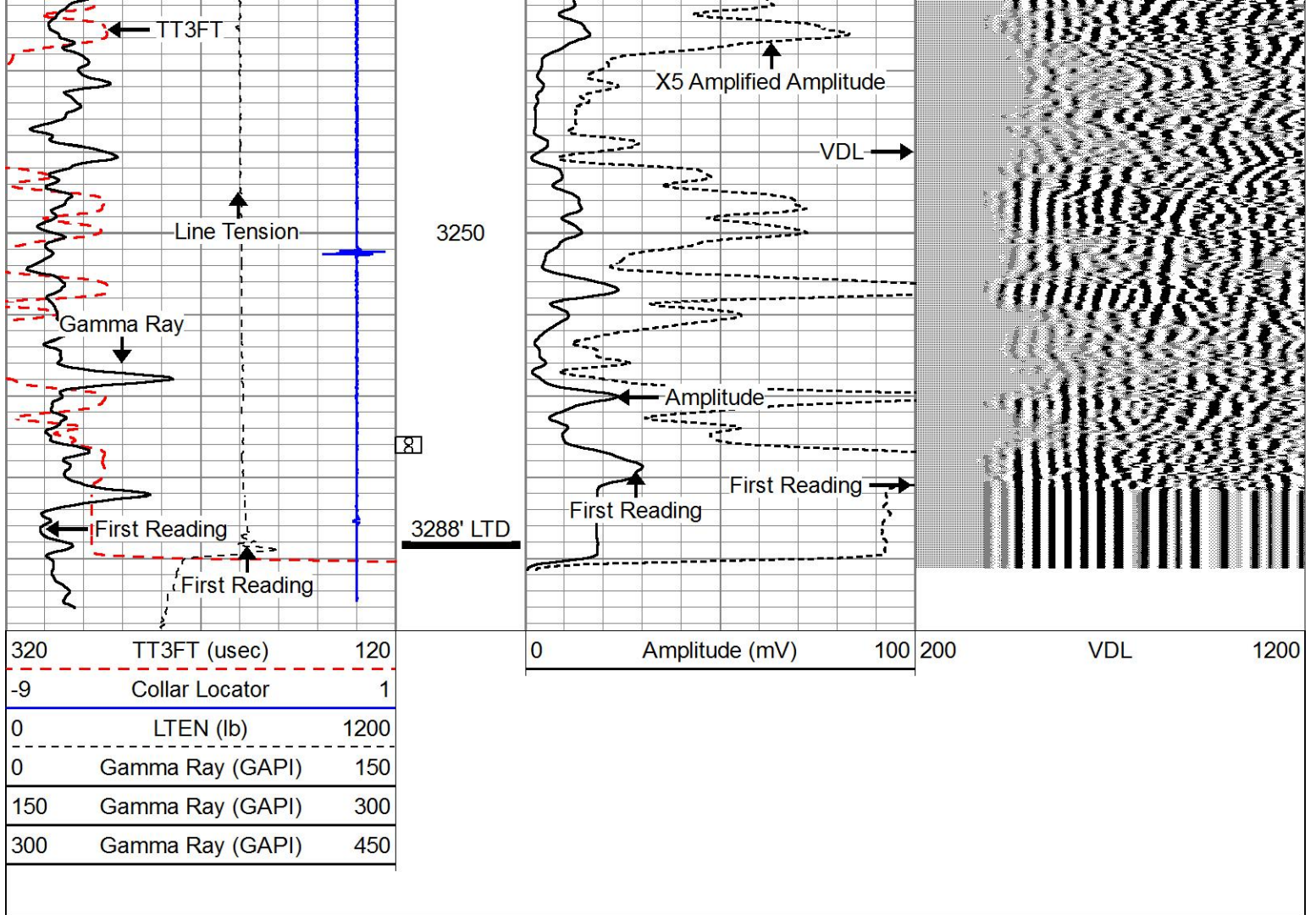
3100

3150

3200



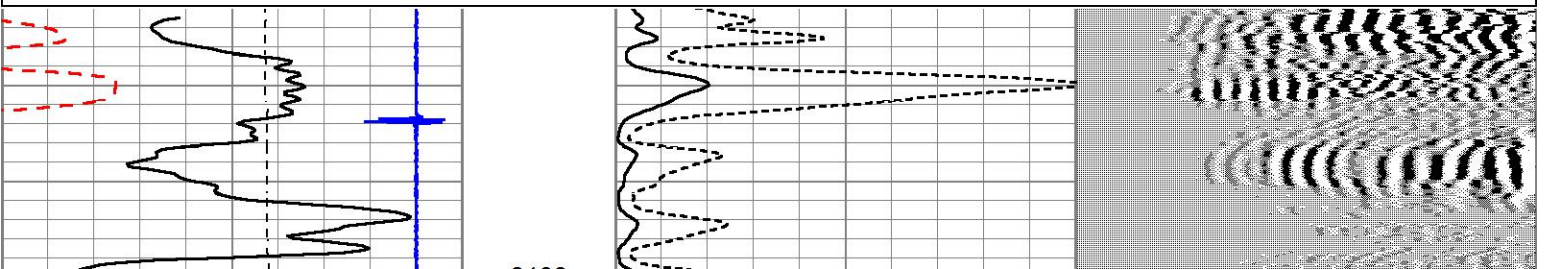
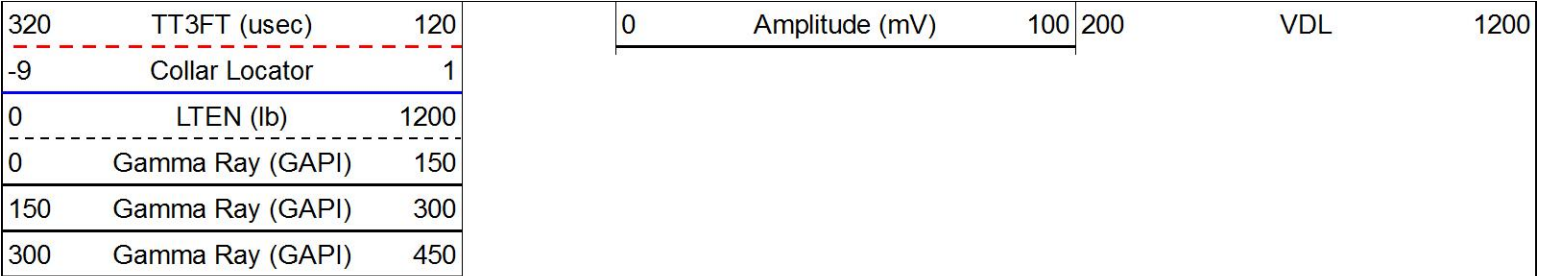


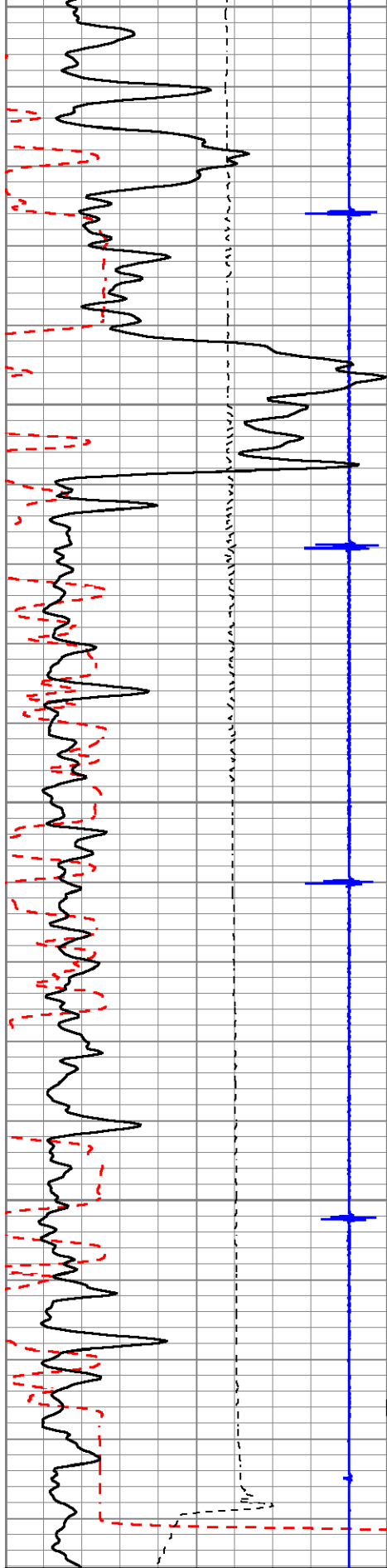


**LOG-TECH**  
*of Kansas Inc.*  
GREAT BEND, KANSAS

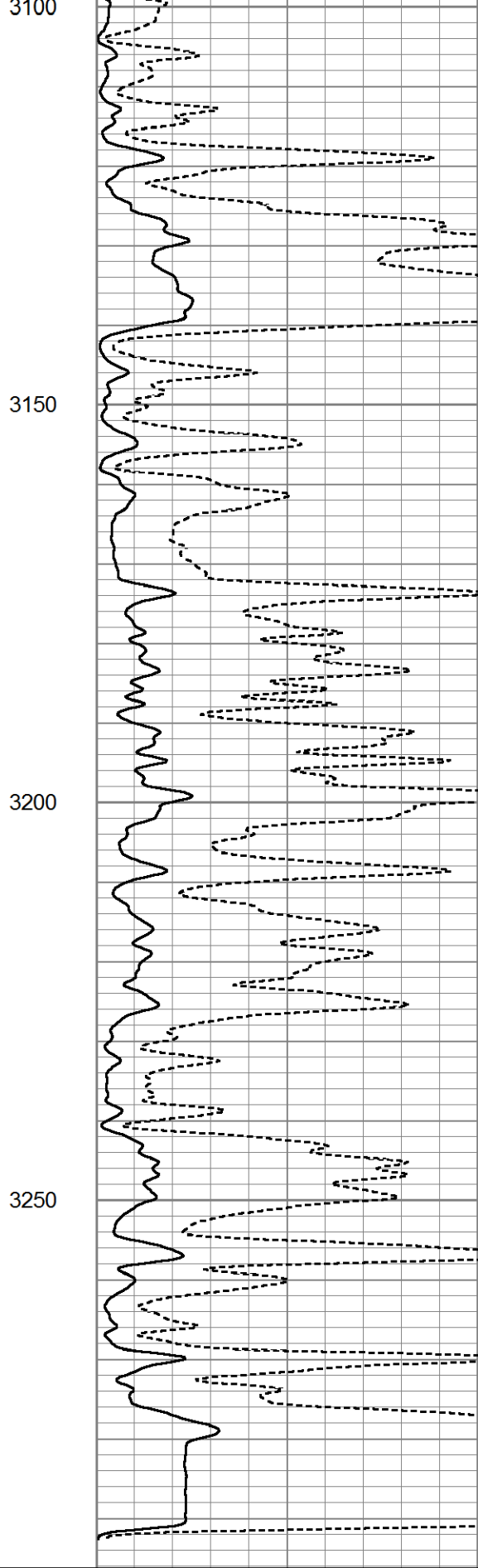
# REPEAT SECTION

Database File      meyers13.db  
Dataset Pathname      pass1  
Presentation Format      scbl\_dr  
Dataset Creation      Wed Jun 04 09:31:54 2014  
Charted by      Depth in Feet scaled 1:240

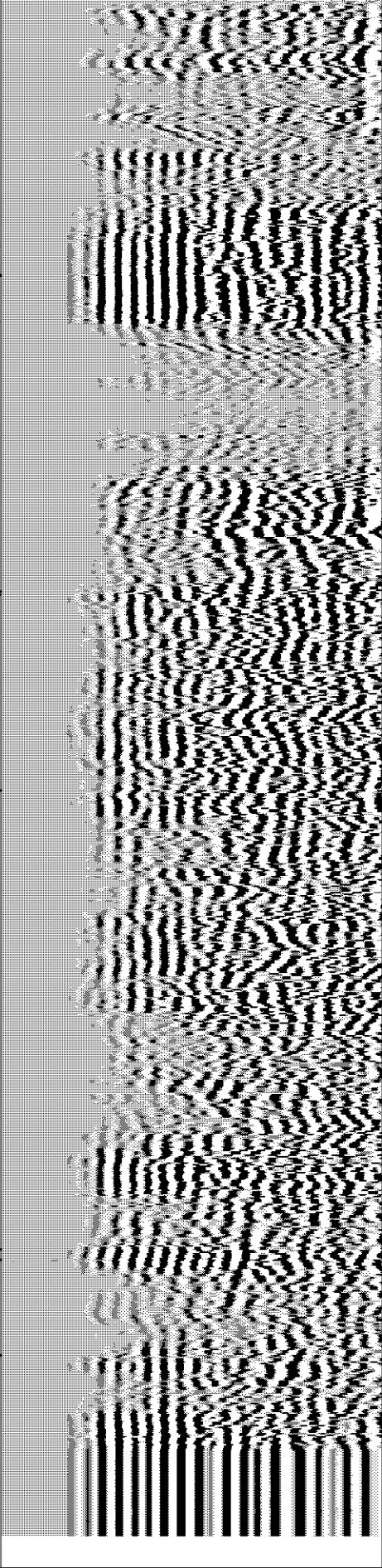




320	TT3FT (uSec)	120
-9	Collar Locator	1
0	LTEN (lb)	1200
0	Gamma Ray (GAPI)	150
150	Gamma Ray (GAPI)	300

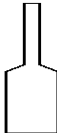
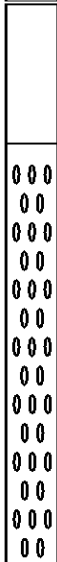






0	Amplitude (mV)	100
---	----------------	-----



200	VDL	1200
-----	-----	------



Sensor	Offset (ft)	Schematic	Description	Length (ft)	O.D. (in)	Weight (lb)
			CHD-STNDRD Standard Cable Head	1.00	1.69	10.00
WVF3FT	8.76		cbl-probecbl (probecbl1) probe cbl	8.75	2.75	92.00
WVF5FT	7.76					
WVFSYNC	4.57					
CCL	3.69		CCL-Probe (275) probe ccl	1.55	2.75	30.00
GR	0.89		GR-probegr (progr1) probe gamma ray	3.02	2.75	20.00

Dataset:	meyers13.db: field/well/run1/pass2
Total length:	14.32 ft
Total weight:	152.00 lb
O.D.:	2.75 in

**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: MEYER ANKERHOLZ # 13  
 Location: SW NW SW Sec.30-18s-7w  
 Pool: INFIELD  
 State: KANSAS

API: 15-159-22,783-00-00  
 Field: GENESEO-EDWARDS  
 Country: USA

**Scale 1:240 Imperial**

Well Name: MEYER ANKERHOLZ # 13  
 Surface Location: SW NW SW Sec.30-18s-7w  
 Bottom Location:  
 API: 15-159-22,783-00-00  
 License Number: 31528  
 Spud Date: 5/10/2014 Time: 11:00 AM  
 Region: RICE COUNTY  
 Drilling Completed: 5/15/2014 Time: 5:15 AM  
 Surface Coordinates: 1650' FSL & 330' FWL  
 Bottom Hole Coordinates:  
 Ground Elevation: 1717.00ft  
 K.B. Elevation: 1724.00ft  
 Logged Interval: 2400.00ft To: 3345.00ft  
 Total Depth: 3345.00ft  
 Formation: SIMPSON SAND  
 Drilling Fluid Type: CHEMICAL/FRESH WATER GEL

**SURFACE CO-ORDINATES**

Well Type: Vertical  
 Longitude: -98.1443069 Latitude: 38.4540513  
 N/S Co-ord: 1650' FSL  
 E/W Co-ord: 330' FWL

**LOGGED BY**

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

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

**CONTRACTOR**

Contractor: SKYTOP DRILLING, LLC  
 Rig #: 1  
 Rig Type: MUD ROTARY  
 Spud Date: 5/10/2014 Time: 11:00 AM  
 TD Date: 5/15/2014 Time: 5:15 AM  
 Rig Release: 5/16/2014 Time: 6:00 AM

**ELEVATIONS**

K.B. Elevation: 1724.00ft Ground Elevation: 1717.00ft  
 K.B. to Ground: 7.00ft

**NOTES**

RECOMMENDATION TO RUN PRODUCTION CASING BASED ON FAVORABLE STRUCTURE AND POTENTIAL FOR CONVERTING TO A SWD AT A LATER DATE.

OPEN HOLE LOGGING BY PIONEER ENERGY SERVICES: DUAL COMPENSATED POROSITY LOG, DUAL INDUCTION LOG, AND MICRORESISTIVITY LOG.

NO DRILL STEM TESTS WERE RAN ON THIS WELL.

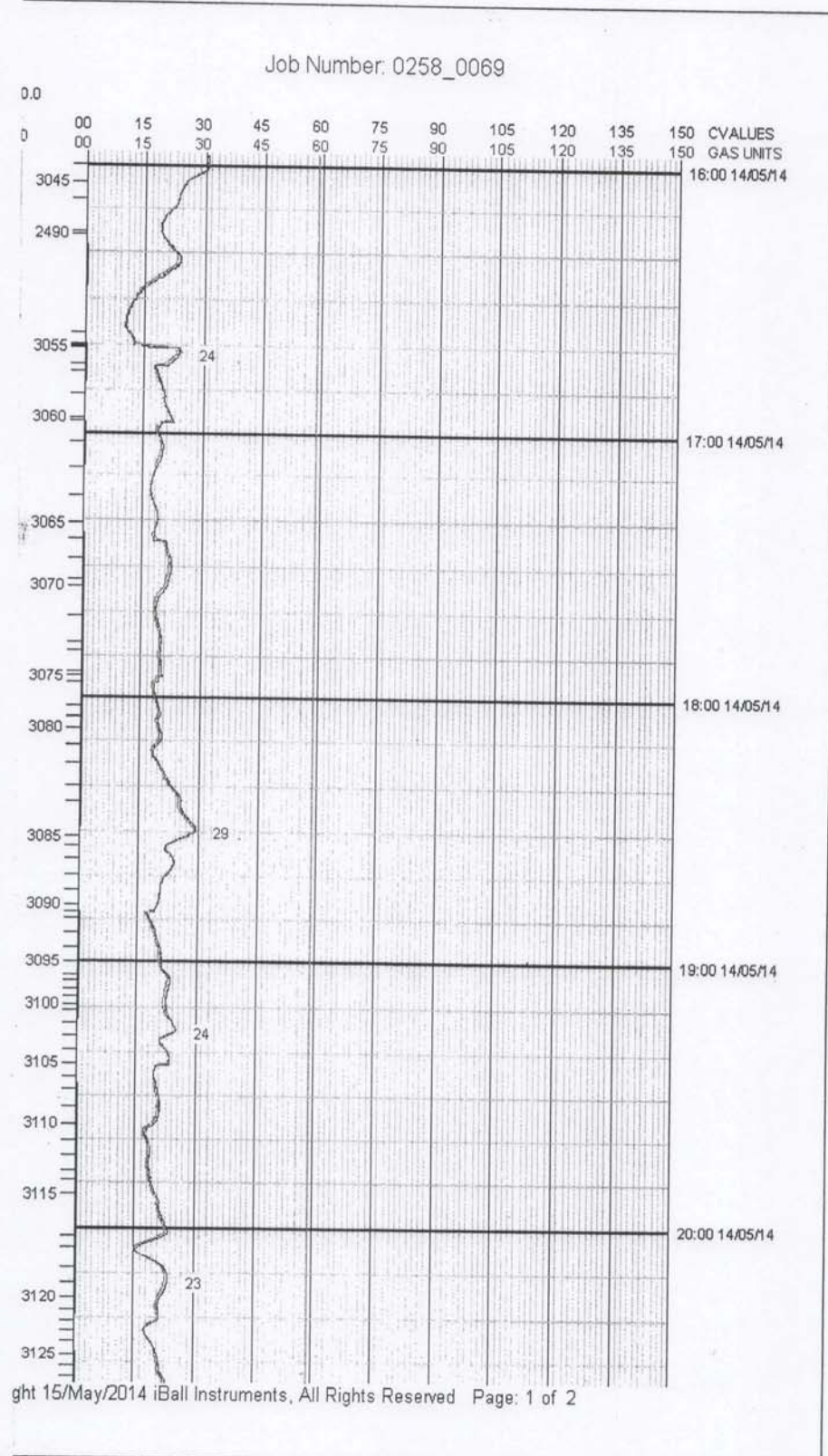
**FORMATION TOPS COMPARISON AND CHRONOLOGY OF DAILY ACTIVITY**

	<b>MEYER-ANKERHOLZ 13</b>	<b>MEYER # 1</b>	<b>MEYER # 9</b>
	<b>SW NW SW</b>	<b>NW NW SW</b>	<b>SE NW SW</b>
	<b>SEC.30-18S-7W</b>	<b>SEC.30-18-7W</b>	<b>SEC.30-18-7W</b>
	<b>1717'GL 1724'KB</b>	<b>KB 1707'</b>	<b>KB 1725'</b>
<u>FORMATION</u>	<u>LOG TOPS</u>	<u>LOG TOPS</u>	<u>LOG TOPS</u>
Heebner Sh.	2611- 887	- 887	- 888
Toronto	2632- 908	- 917	- 915
Douglas Sh.	2652- 928	- 929	- 926
Brown Lime	2741-1017	-1016	-1016
LKC	2776-1052	-1047	-1049
Simpson Sh.	3117-1393	-1390	-1393
Simpson Sand	3123-1399	-1397	-1408
Arbuckle	3159-1435	-1433	-1447
RTD	3345-1621	-1464	-1459

SUMMARY OF DAILY ACTIVITY

- 5-10-14 RU, Spud 11:00AM, set 8 5/8" surface casing to 370' w/ 275 sxs  
Common 2%Gel 3%CC, plug down 11:00 PM
- 5-11-14 370', drill plug 9:00 AM
- 5-12-14 1945', drilling
- 5-13-14 2660', drilling, displaced 2537'
- 5-14-14 3170', drilling
- 5-15-14 3345', RTD 3345' @5:15 AM, short trip-21 stands, TOWB, logs,  
TIWB, LDDP, start running production casing
- 5-16-14 3345', finish running casing and cementing, RD

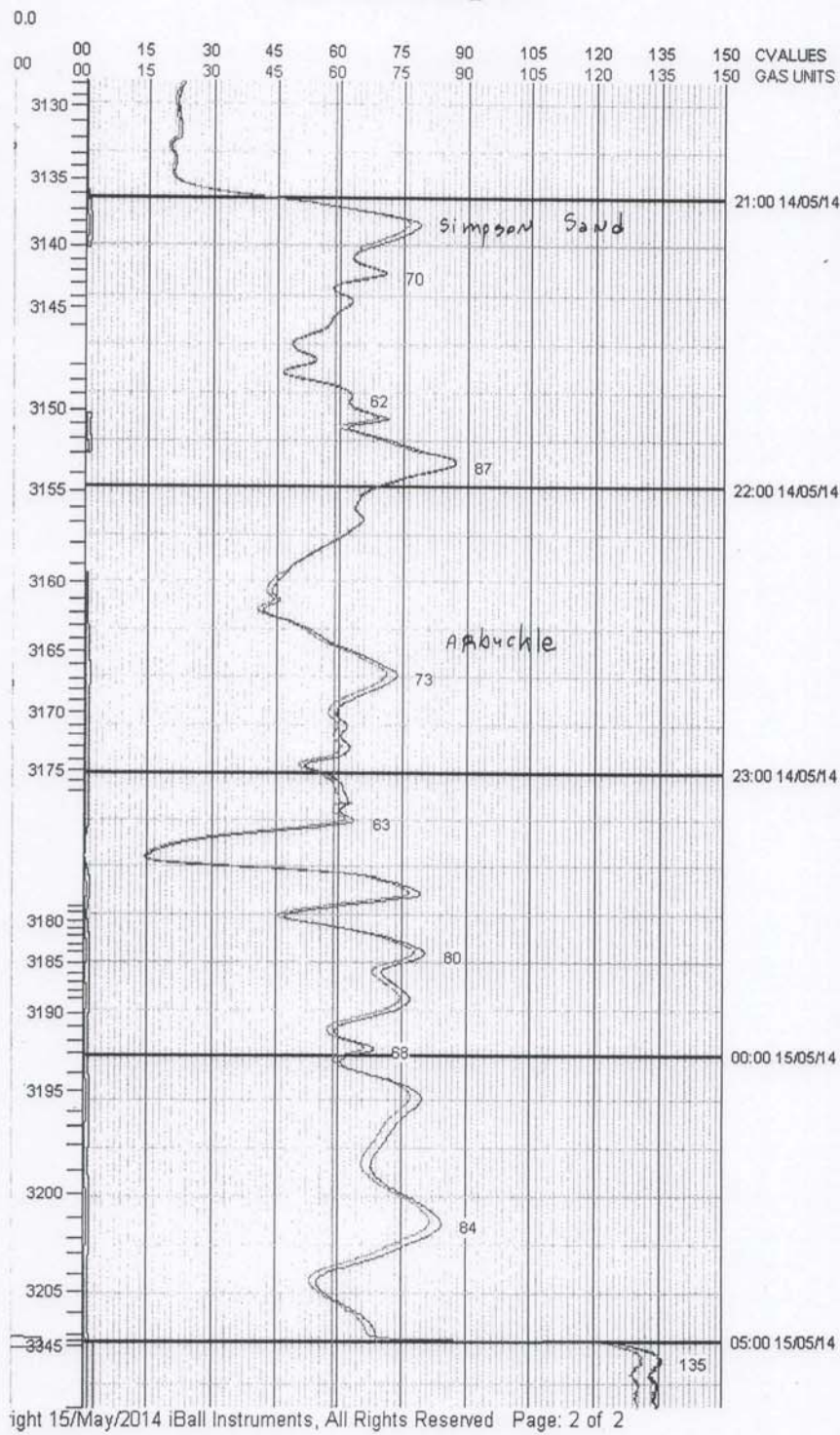
GAS CHART DEPTH 3045' TO 3127'



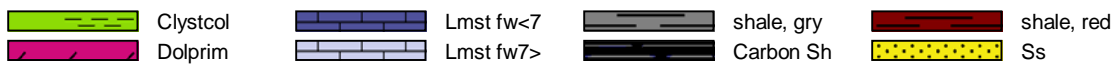
GAS CHART 3128' TO 3345'



Job Number: 0258\_0069



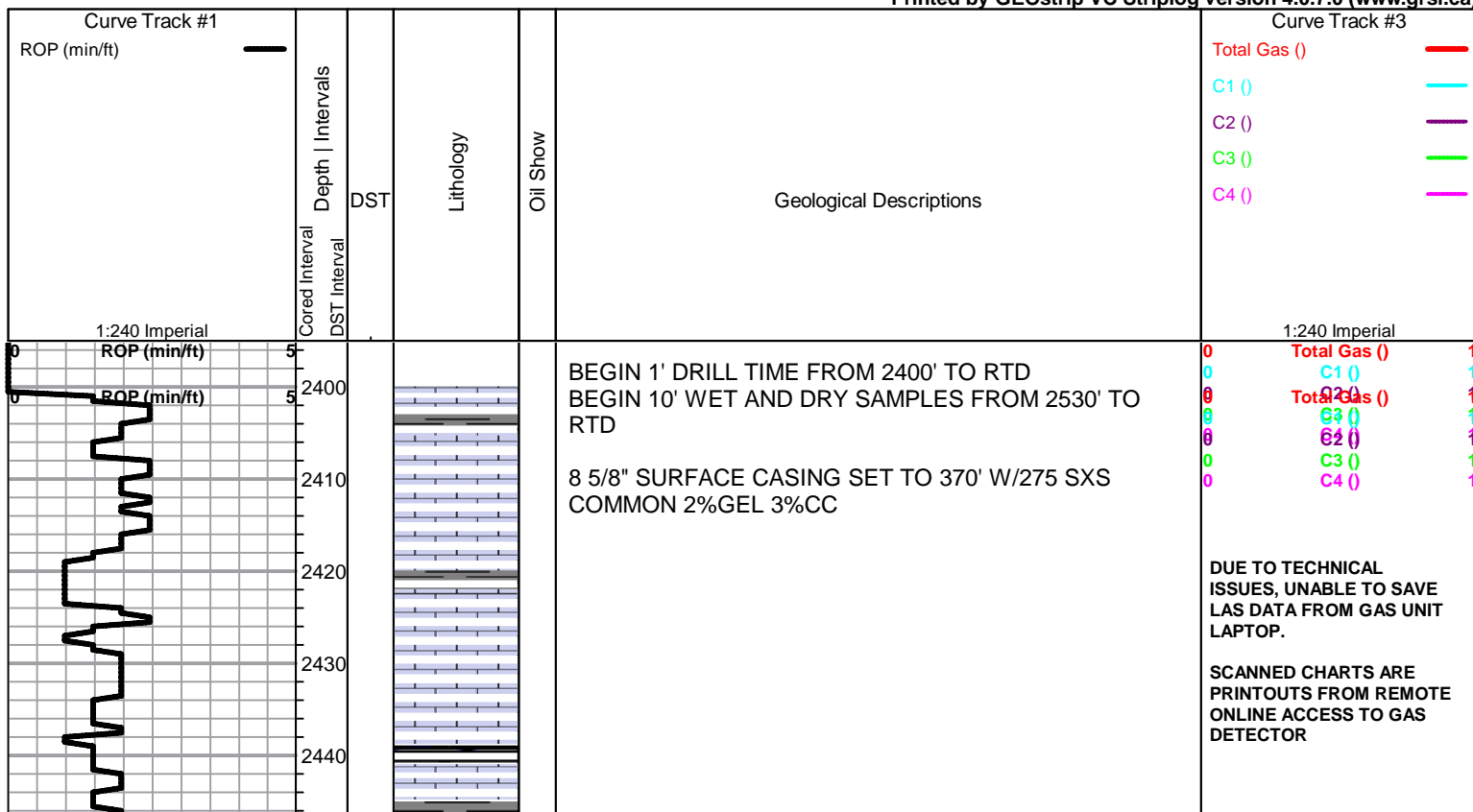
**ROCK TYPES**



**ACCESSORIES**

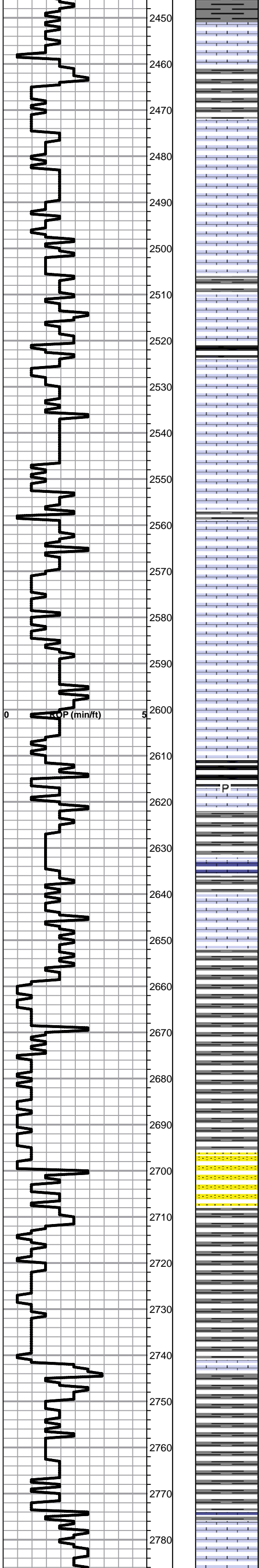
- MINERAL**  
 P Pyrite  
 △ Chert White
- FOSSIL**  
 ○ Oolite  
 ⊕ Oomoldic

Printed by GEOstrip VC Striplog version 4.0.7.0 (www.grsi.ca)



DUE TO TECHNICAL ISSUES, UNABLE TO SAVE LAS DATA FROM GAS UNIT LAPTOP.

SCANNED CHARTS ARE PRINTOUTS FROM REMOTE ONLINE ACCESS TO GAS DETECTOR



Lime, brn, fnxln-granular in part

Lime, crm-lt brn, fnxln

Lime, crm-lt brn, fnxln-granular

Lime, crm, fnxln, bedded chalk

Lime, crm, fnxln-granular, dark specks of fossil fragments

Lime, crm-tan, fnxln-granular, slight chalk matrix on crush

Lime, tan-lt brn, fnxln, fossiliferous

Lime, lt-med brn, fnxln

**HEEBNER SHALE ELog 2611-887**

Shale, black carbonaceous, fissile, blocky

Lime, lt brn, fnxln, hard on crush

**TORONTO ELog 2632-908**

Lime, gray grading into white-crm, fnxln, NS

Lime, white-crm, fnxln, hard on crush

**DOUGLAS SHALE ELog 2652-928**

Shale, lt green, soft, waxy

Shale, lt gray with fine grained, poorly sorted, gritty sandstone, NS

Shale, lt-med gray mixed with fn grained, poorly sorted, gritty sandstone

Shale and fn grained sandstone, NS

Shale and sandstone, fn grained, poorly sorted, NS

Shale, lt-med gray with green tint, soft blocky with green tint

Shale, lt gray, soft, blocky with firm, blocky in part

Shale, lt gray, soft forming soft mud clumps

**BROWN LIME ELog 2741-1017**

Lime, brn, fnxln, hard on crush

Shale, dark brn-gray, soft-firm blocky

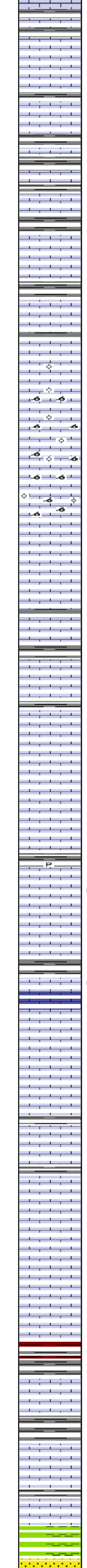
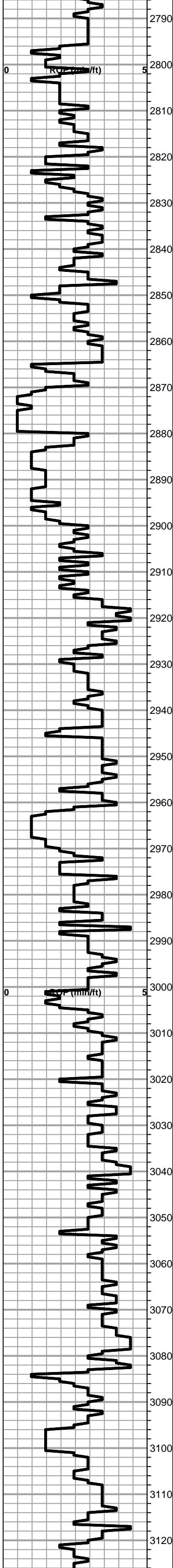
Shale, med gray, firm blocky

Shale, as above

**LKC ELog 2776-1052**

Lime, crm, fn-vfxln, hard on crush, NS

0	Total Gas ()	1
0	C1 ()	1
0	C2 ()	1
0	C3 ()	1
0	C4 ()	1



Lime, crm-lt brn, fn-vfxln

Lime, lt brn-lt grayish brn, fn-vfxln, hard on crush, NS

Lime, lt-med brn, fnxln with scattered micro xln

Lime, white-crm, fnxln, slightly fossiliferous

Lime, lt gray, fn-micro xln, NS

Lime, lt-med brn, fn-vfxln

Lime, lt brn, fn-micro xln, bedded chalk, NS

Lime, lt brn, fn-vfxln

Lime, lt brn, fn-vfxln, well cemented

Lime, med-dark brn, fn-micro xln

Lime, crm, fnxln-oolitic, NS

Lime, crm, granular-oomoldic with scattered fossil fragments, NS

Lime, crm, granular-oomoldic, NS

Lime, crm, granular-oomoldic, NS, chalky with white wash

Lime, tan-lt brn, fn-vfxln

Lime, tan-lt brn, fn-vfxln, slight bedded chalk

Lime, med-dark brn, fn-micro xln

Lime, lt grayish brn-lt brn, fn-vfxln, hard on crush

Lime, lt brn-lt grayish brn, fn-vfxln, hard on crush

Lime, crm-lt brn, fn-micro xln

Lime, lt brn, fn-micro xln grading into granular chalky zone, NS

Lime, lt brn-lt grayish brn, fnxln

Lime, lt brn, fn-micro xln, slightly fossiliferous

Lime, med-dark brn, fn-vfxln

Lime, Lt brn-lt grayish brn, thin zone of oolitic/fossil fragments with lt staining, trace of free oil

Lime, lt brn, fn-micro xln

Lime, lt brn, fn-micro xln, scattered fossil fragments

Lime, white-crm, fn-micro xln

Lime, white-crm, fn-micro xln, NS

Lime, crm-tan, fn-micro xln, slightly fossiliferous

Lime,

Lime, crm, fn-micro xln, hard on crush

Lime, crm-tan, fn-micro xln

Shale, gray-red, soft-firm blocky

Lime, crm-tan, fn-vfxln

Shale, red, soft, blocky

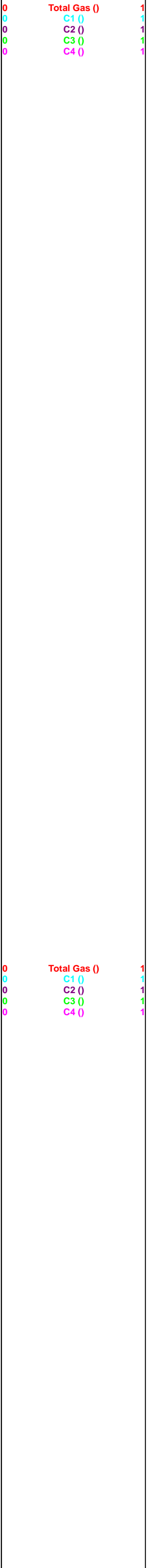
Lime crm-tan, fnxln

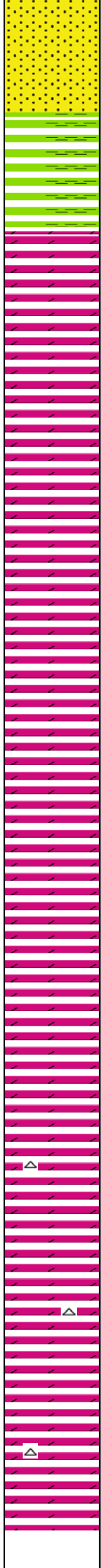
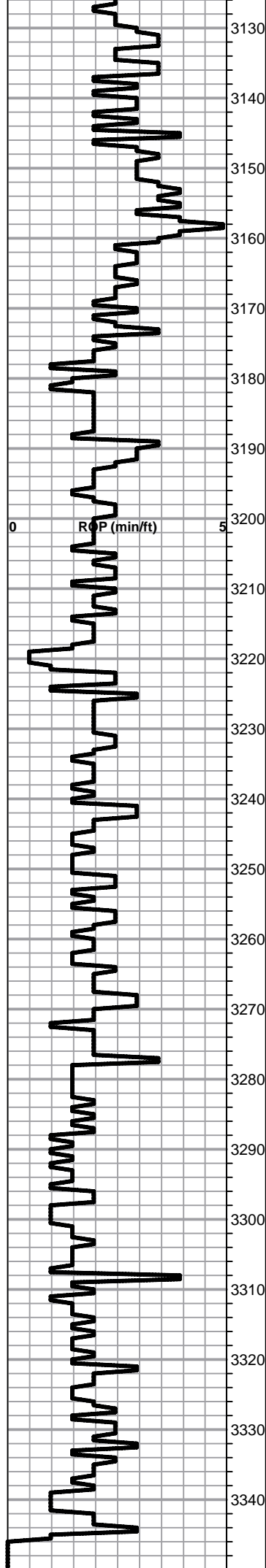
Lime, crm-tan, fn-vfxln

**SIMPSON SHALE ELog 3117-1393**

**SIMPSON SAND ELog 3123-1399**

Mudstone, green, firm, wavy, grading into sandstone, fine





Mudstone, green, firm, waxy grading into sandstone, fine-med grained, well sorted, friable with good gas response

Sandstone, as above grading into shale, green, firm, waxy

Shale and mudstone, green, firm, blocky, waxy

**ARBUCKLE ELog 3159-1435**

○ Dolomite, lt brn, fnxln-granular, lt staining, lt odor with lt oil sheen on samples, fine-med interxln porosity

● Dolomite, lt brn, fnxln-granular, lt stain, lt odor with lt oily sheen on samples

Dolomite, lt -med brn, fnxln-granular

Dolomite, lt-med brn, fnxln-granular, hard on crush

Dolomite, lt-med brn, fnxln-granular

Dolomite, lt-med brn, fnxln-granular

Dolomite, lt-med brn, fnxln-granular

Dolomite, lt-med brn, fnxln-granular

Dolomite, as above

Dolomite, as above

Dolomite, as above

Dolomite, as above

Dolomite, as above

Dolomite, as above with white chert

Dolomite, as above

Dolomite, as above

Dolomite, as above

Dolomite, as above

RTD 3345-1621 LTD 3345-1621

0	Total Gas (%)	1
0	C1 (%)	1
0	C2 (%)	1
0	C3 (%)	1
0	C4 (%)	1