



Confidentiality Requested:

Yes  No

KANSAS CORPORATION COMMISSION 1196836  
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: \_\_\_\_\_

1196836

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 <i>(Attach Additional Sheets)</i>	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Log	Formation (Top), Depth and Datum	<input type="checkbox"/> Sample
Samples Sent to Geological Survey	<input type="checkbox"/> Yes <input type="checkbox"/> No	Name	Top	Datum
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:				

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> <i>(Submit ACO-4)</i> <input type="checkbox"/> Other <i>(Specify)</i> _____	<b>PRODUCTION INTERVAL:</b> _____ _____
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Form	ACO1 - Well Completion
Operator	Carmen Schmitt, Inc.
Well Name	Vose 2
Doc ID	1196836

All Electric Logs Run

Sonic Log
Interpretation
Dual Induction log
Porosity log
Microresistivity log
Cement Bong Log

Form	ACO1 - Well Completion
Operator	Carmen Schmitt, Inc.
Well Name	Vose 2
Doc ID	1196836

Tops

Name	Top	Datum
Anhydrite	1755	420
base Anhydrite	1887	388
topeka	3162	-987
Heebner Shale	3362	-1187
Toronto Ls.	3384	-1209
Lansing	3397	-1222
Base- Kc	3599	-1424
Re- Work Arbuckle	3632	-1457
Arbuckle	3648	-1473





## DRILL STEM TEST REPORT

Prepared For: **Carmen Schmitt Inc.**

PO Box 47  
Great Bend KS 67530

ATTN: Dave Goldak

### **Vose #2**

#### **34-6s-20w Rooks,KS**

Start Date: 2014.03.08 @ 16:45:00

End Date: 2014.03.08 @ 18:26:00

Job Ticket #: 56224                      DST #: 1

Trilobite Testing, Inc  
PO Box 362 Hays, KS 67601  
ph: 785-625-4778 fax: 785-625-5620

Printed: 2014.03.17 @ 10:10:01









**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

**TOOL DIAGRAM**

Carmen Schmitt Inc.

**34-6s-20w Rooks,KS**

PO Box 47  
Great Bend KS 67530

**Vose #2**

Job Ticket: 56224

**DST#: 1**

ATTN: Dave Goldak

Test Start: 2014.03.08 @ 16:45:00

## Tool Information

Drill Pipe:	Length: 3105.00 ft	Diameter: 3.80 inches	Volume: 43.55 bbl	Tool Weight:	2500.00 lb
Heavy Wt. Pipe:	Length: ft	Diameter: 2.70 inches	Volume: - bbl	Weight set on Packer:	lb
Drill Collar:	Length: 248.00 ft	Diameter: 2.25 inches	Volume: 1.22 bbl	Weight to Pull Loose:	lb
			<u>Total Volume: - bbl</u>	Tool Chased	ft
Drill Pipe Above KB:	12.00 ft			String Weight: Initial	lb
Depth to Top Packer:	3369.00 ft			Final	lb
Depth to Bottom Packer:	ft				
Interval between Packers:	42.00 ft				
Tool Length:	70.00 ft				
Number of Packers:	2	Diameter: 6.75 inches			

Tool Comments:

## Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Shut In Tool	5.00			3346.00	
Hydraulic tool	5.00			3351.00	
Jars	5.00			3356.00	
Safety Joint	3.00			3359.00	
Packer	5.00			3364.00	28.00 Bottom Of Top Packer
Packer	5.00			3369.00	
Stubb	1.00			3370.00	
Perforations	5.00			3375.00	
Recorder	0.00	8934	Inside	3375.00	
Recorder	0.00	8736	Outside	3375.00	
Change Over Sub	1.00			3376.00	
Drill Pipe	31.00			3407.00	
Change Over Sub	1.00			3408.00	
Bullnose	3.00			3411.00	42.00 Bottom Packers & Anchor

**Total Tool Length: 70.00**



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

**FLUID SUMMARY**

Carmen Schmitt Inc.

**34-6s-20w Rooks,KS**

PO Box 47  
Great Bend KS 67530

**Vose #2**

Job Ticket: 56224

**DST#: 1**

ATTN: Dave Goldak

Test Start: 2014.03.08 @ 16:45:00

## Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 52.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 5.98 in<sup>3</sup>

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 1100.00 ppm

Filter Cake: inches

## Recovery Information

Recovery Table

Length ft	Description	Volume bbbl

Total Length:                      ft      Total Volume:                      bbl

Num Fluid Samples: 0                      Num Gas Bombs: 0                      Serial #:

Laboratory Name:                      Laboratory Location:

Recovery Comments:

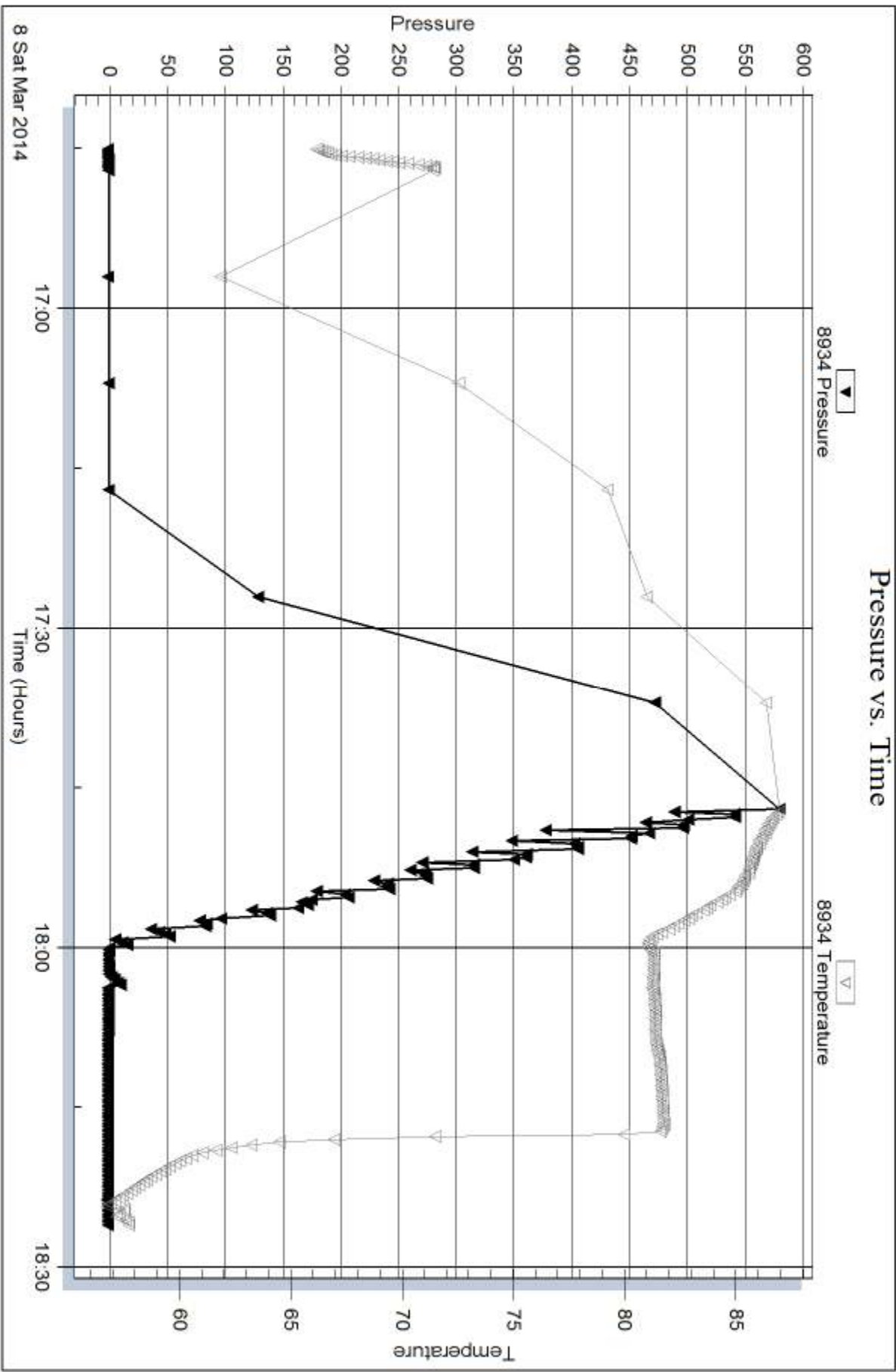
Serial #: 8934

Inside

Carmen Schmitt Inc.

Vose #2

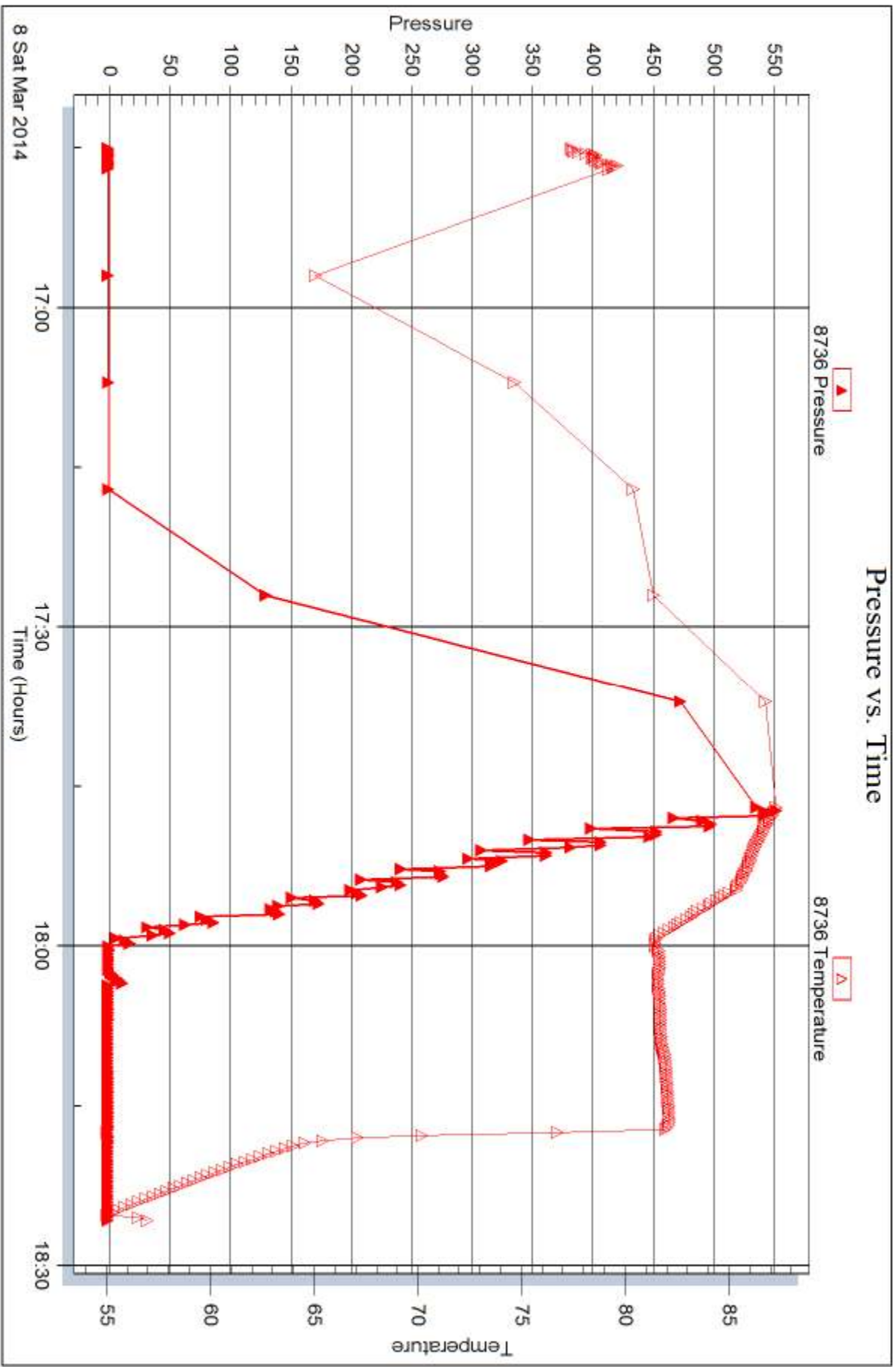
DST Test Number: 1



Tribble Testing, Inc

Ref. No: 56224

Printed: 2014.03.17 @ 10:10:03





## DRILL STEM TEST REPORT

Prepared For: **Carmen Schmitt Inc.**

PO Box 47  
Great Bend KS 67530

ATTN: Dave Goldak

### **Vose #2**

#### **34-6s-20w Rooks,KS**

Start Date: 2014.03.08 @ 22:45:00

End Date: 2014.03.09 @ 05:56:30

Job Ticket #: 56225                      DST #: 2

Trilobite Testing, Inc  
PO Box 362 Hays, KS 67601  
ph: 785-625-4778 fax: 785-625-5620

Printed: 2014.03.17 @ 10:09:35







**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

**TOOL DIAGRAM**

Carmen Schmitt Inc.

**34-6s-20w Rooks,KS**

PO Box 47  
Great Bend KS 67530

**Vose #2**

Job Ticket: 56225

**DST#: 2**

ATTN: Dave Goldak

Test Start: 2014.03.08 @ 22:45:00

## Tool Information

Drill Pipe:	Length: 3105.00 ft	Diameter: 3.80 inches	Volume: 43.55 bbl	Tool Weight:	2500.00 lb
Heavy Wt. Pipe:	Length: ft	Diameter: 2.70 inches	Volume: - bbl	Weight set on Packer:	25000.00 lb
Drill Collar:	Length: 248.00 ft	Diameter: 2.25 inches	Volume: 1.22 bbl	Weight to Pull Loose:	49000.00 lb
			<u>Total Volume:</u>	Tool Chased	0.00 ft
			- bbl	String Weight: Initial	49000.00 lb
Drill Pipe Above KB:	12.00 ft			Final	49000.00 lb
Depth to Top Packer:	3369.00 ft				
Depth to Bottom Packer:	ft				
Interval between Packers:	42.00 ft				
Tool Length:	70.00 ft				
Number of Packers:	2	Diameter:	6.75 inches		
Tool Comments:					

## Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Shut In Tool	5.00			3346.00	
Hydraulic tool	5.00			3351.00	
Jars	5.00			3356.00	
Safety Joint	3.00			3359.00	
Packer	5.00			3364.00	28.00 Bottom Of Top Packer
Packer	5.00			3369.00	
Stubb	1.00			3370.00	
Perforations	5.00			3375.00	
Recorder	0.00	8934	Inside	3375.00	
Recorder	0.00	8736	Outside	3375.00	
Change Over Sub	1.00			3376.00	
Drill Pipe	31.00			3407.00	
Change Over Sub	1.00			3408.00	
Bullnose	3.00			3411.00	42.00 Bottom Packers & Anchor

**Total Tool Length: 70.00**





**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

**FLUID SUMMARY**

Carmen Schmitt Inc.

**34-6s-20w Rooks,KS**

PO Box 47  
Great Bend KS 67530

**Vose #2**

Job Ticket: 56225

**DST#: 2**

ATTN: Dave Goldak

Test Start: 2014.03.08 @ 22:45:00

## Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

38000 ppm

Viscosity: 52.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 5.97 in<sup>3</sup>

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 1100.00 ppm

Filter Cake: inches

## Recovery Information

Recovery Table

Length ft	Description	Volume bbl
125.00	VSWCM 2%O 28%W 70%M	0.615

Total Length: 125.00 ft      Total Volume: 0.615 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

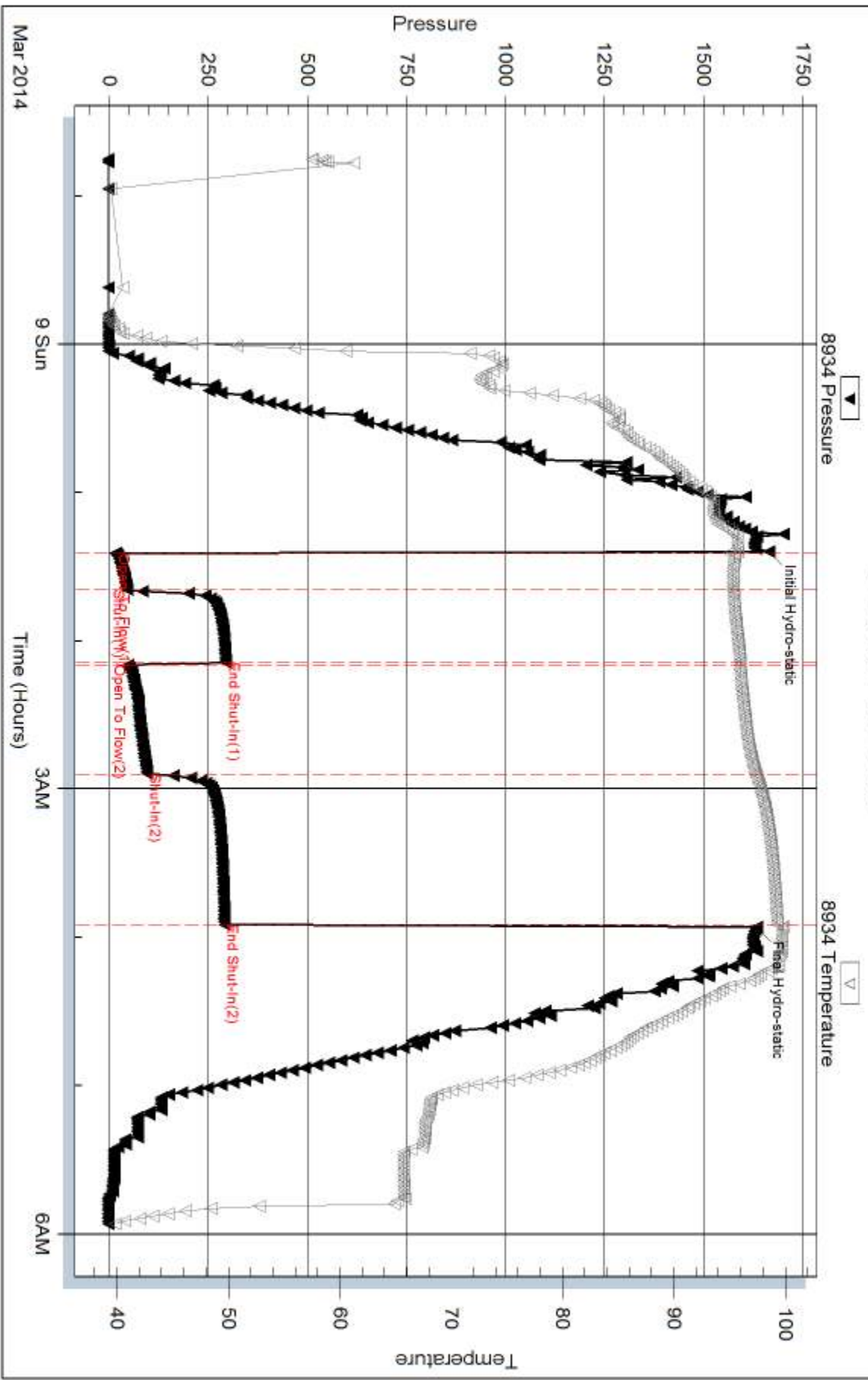
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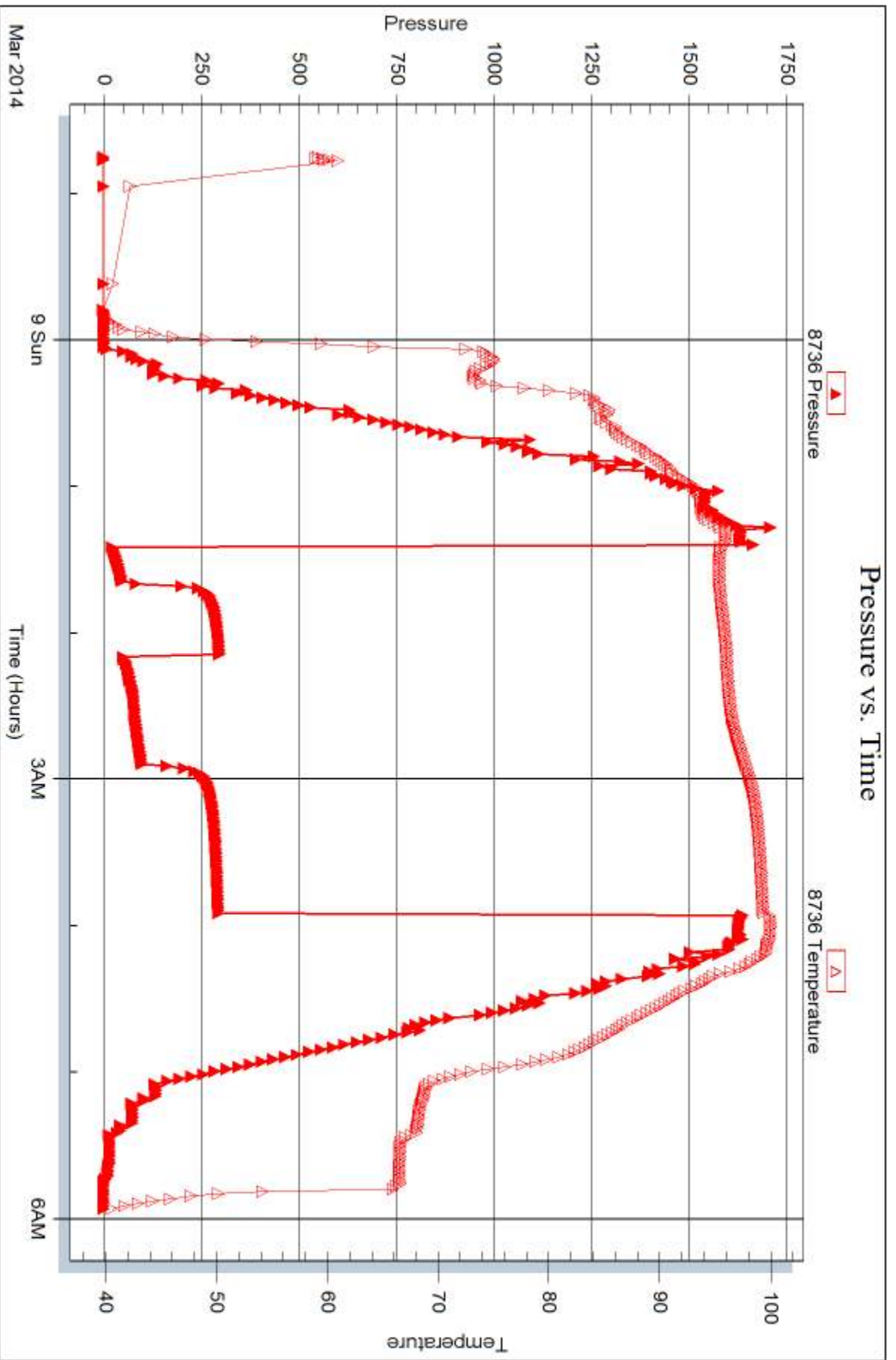
Laboratory Name:

Laboratory Location:

Recovery Comments:

### Pressure vs. Time







## DRILL STEM TEST REPORT

Prepared For: **Carmen Schmitt Inc.**

PO Box 47  
Great Bend KS 67530

ATTN: Dave Goldak

### **Vose #2**

#### **34-6s-20w Rooks,KS**

Start Date: 2014.03.09 @ 18:55:00

End Date: 2014.03.10 @ 01:25:30

Job Ticket #: 54101                      DST #: 3

Trilobite Testing, Inc  
PO Box 362 Hays, KS 67601  
ph: 785-625-4778 fax: 785-625-5620

Printed: 2014.03.17 @ 10:09:09



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

Carmen Schmitt Inc.  
PO Box 47  
Great Bend KS 67530  
ATTN: Dave Goldak

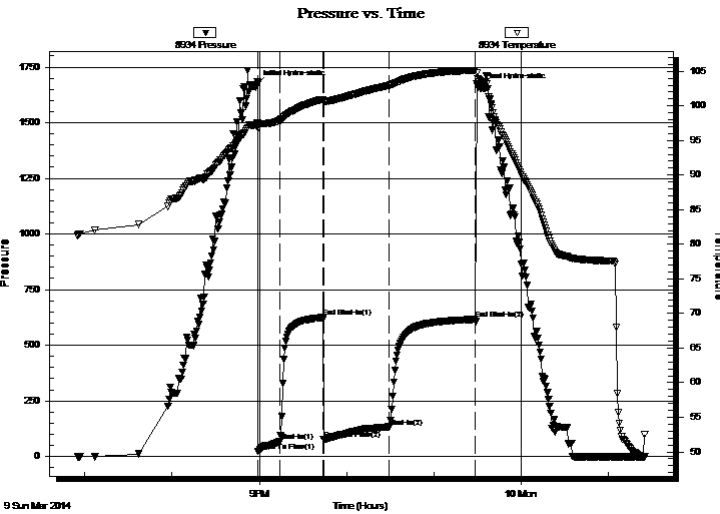
**34-6s-20w Rooks,KS**  
**Vose #2**  
Job Ticket: 54101      **DST#: 3**  
Test Start: 2014.03.09 @ 18:55:00

## GENERAL INFORMATION:

Formation: **KC "D-F"**  
Deviated: No Whipstock: ft (KB)      Test Type: Conventional Bottom Hole (Reset)  
Time Tool Opened: 20:59:15      Tester: Brett Dickinson  
Time Test Ended: 01:25:30      Unit No: 59  
**Interval: 3431.00 ft (KB) To 3491.00 ft (KB) (TVD)**      Reference Elevations: 2175.00 ft (KB)  
Total Depth: 3491.00 ft (KB) (TVD)      2170.00 ft (CF)  
Hole Diameter: 7.88 inches Hole Condition: Fair      KB to GR/CF: 5.00 ft

**Serial #: 8934      Inside**  
Press@RunDepth: 133.15 psig @ 3437.00 ft (KB)      Capacity: 8000.00 psig  
Start Date: 2014.03.09      End Date: 2014.03.10      Last Calib.: 2014.03.10  
Start Time: 18:55:05      End Time: 01:25:29      Time On Btm: 2014.03.09 @ 20:58:30  
Time Off Btm: 2014.03.09 @ 23:30:45

TEST COMMENT: IF-6" blow  
IS-No blow  
FF-8" blow  
FS-No blow



## PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1669.97	97.36	Initial Hydro-static
1	22.54	96.77	Open To Flow (1)
16	66.51	97.90	Shut-In(1)
45	624.53	100.94	End Shut-In(1)
46	75.44	100.73	Open To Flow (2)
91	133.15	102.98	Shut-In(2)
150	616.73	105.13	End Shut-In(2)
153	1657.60	103.73	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
125.00	V SOMCW 2%O 78%W 20%M	0.61
110.00	SWOCM 20%O 5%W 75%M	0.54
30.00	SGO 5%G 95%O	0.30

\* Recovery from multiple tests

## Gas Rates

Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)





**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

**TOOL DIAGRAM**

Carmen Schmitt Inc.

**34-6s-20w Rooks, KS**

PO Box 47  
Great Bend KS 67530

**Vose #2**

Job Ticket: 54101

**DST#: 3**

ATTN: Dave Goldak

Test Start: 2014.03.09 @ 18:55:00

## Tool Information

Drill Pipe:	Length: 3165.00 ft	Diameter: 3.80 inches	Volume: 44.40 bbl	Tool Weight: 2500.00 lb
Heavy Wt. Pipe:	Length: ft	Diameter: 2.70 inches	Volume: - bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 248.00 ft	Diameter: 2.25 inches	Volume: 1.22 bbl	Weight to Pull Loose: 50000.00 lb
			<u>Total Volume: - bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	10.00 ft			String Weight: Initial 50000.00 lb
Depth to Top Packer:	3431.00 ft			Final 50000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	60.00 ft			
Tool Length:	88.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

## Tool Description

**Length (ft) Serial No. Position Depth (ft) Accum. Lengths**

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Shut In Tool	5.00			3408.00	
Hydraulic tool	5.00			3413.00	
Jars	5.00			3418.00	
Safety Joint	3.00			3421.00	
Packer	5.00			3426.00	28.00 Bottom Of Top Packer
Packer	5.00			3431.00	
Stubb	1.00			3432.00	
Perforations	5.00			3437.00	
Recorder	0.00	8934	Inside	3437.00	
Recorder	0.00	8736	Outside	3437.00	
Change Over Sub	1.00			3438.00	
Drill Pipe	31.00			3469.00	
Change Over Sub	1.00			3470.00	
Perforations	18.00			3488.00	
Bullnose	3.00			3491.00	60.00 Bottom Packers & Anchor

**Total Tool Length: 88.00**



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

## FLUID SUMMARY

Carmen Schmitt Inc.

**34-6s-20w Rooks,KS**

PO Box 47  
Great Bend KS 67530

**Vose #2**

Job Ticket: 54101

**DST#: 3**

ATTN: Dave Goldak

Test Start: 2014.03.09 @ 18:55:00

### Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

35 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

95000 ppm

Viscosity: 52.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 5.97 in<sup>3</sup>

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 1100.00 ppm

Filter Cake: inches

### Recovery Information

Recovery Table

Length ft	Description	Volume bbbl
125.00	VSOMCW 2%O 78%W 20%M	0.615
110.00	SWOCM 20%O 5%W 75%M	0.541
30.00	SGO 5%G 95%O	0.302

Total Length: 265.00 ft      Total Volume: 1.458 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

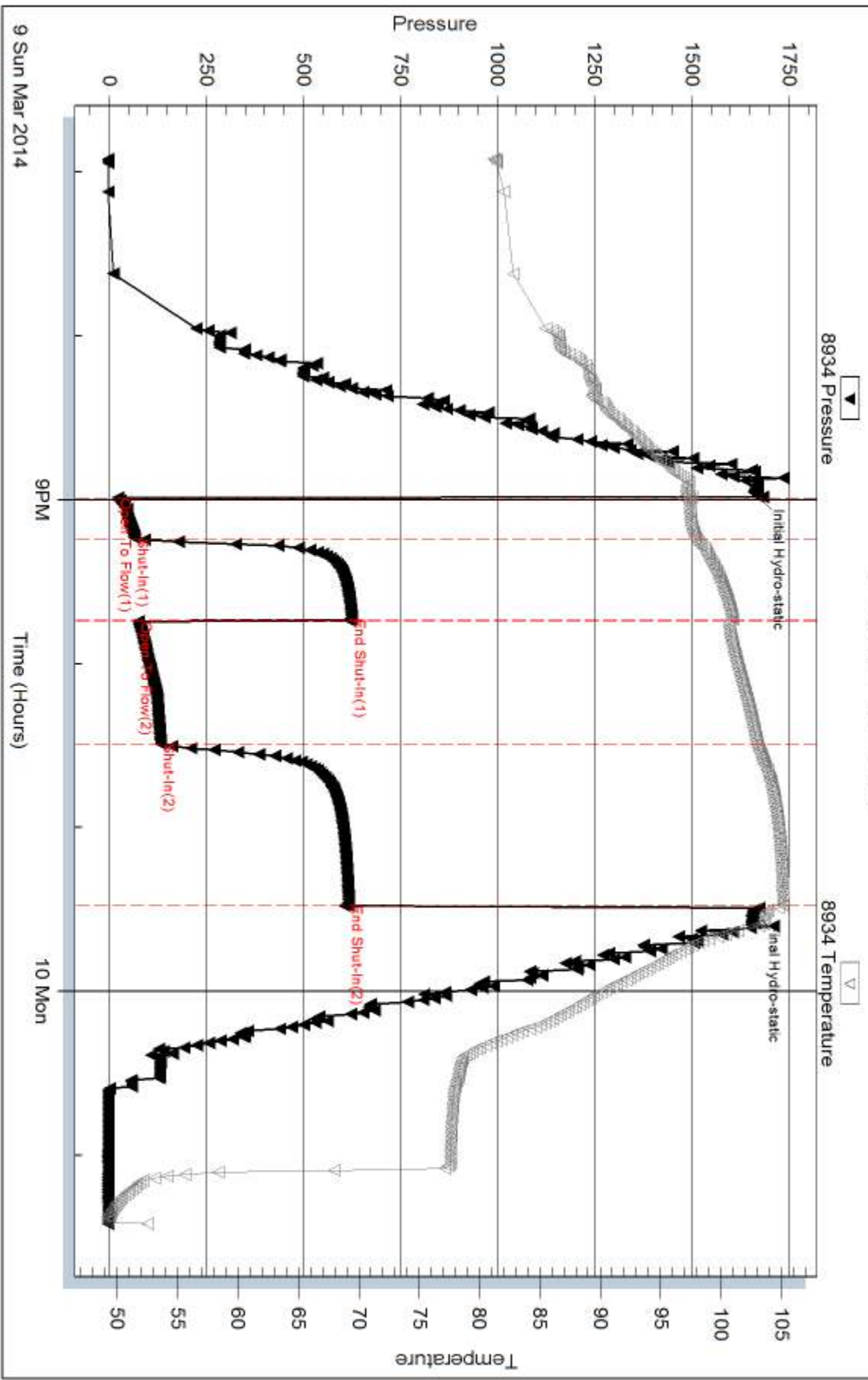
Laboratory Name:

Laboratory Location:

Recovery Comments:



### Pressure vs. Time







## DRILL STEM TEST REPORT

Prepared For: **Carmen Schmitt Inc.**

PO Box 47  
Great Bend KS 67530

ATTN: Dave Goldak

### **Vose #2**

#### **34-6s-20w Rooks,KS**

Start Date: 2014.03.10 @ 13:10:00

End Date: 2014.03.10 @ 19:35:30

Job Ticket #: 54102                      DST #: 4

Trilobite Testing, Inc  
PO Box 362 Hays, KS 67601  
ph: 785-625-4778 fax: 785-625-5620

Printed: 2014.03.17 @ 10:08:43

Carmen Schmitt Inc.  
34-6s-20w Rooks,KS  
Vose #2  
DST # 4  
KC" I-J"  
2014.03.10



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

Carmen Schmitt Inc.  
PO Box 47  
Great Bend KS 67530  
ATTN: Dave Goldak

**34-6s-20w Rooks,KS**  
**Vose #2**  
Job Ticket: 54102      **DST#: 4**  
Test Start: 2014.03.10 @ 13:10:00

## GENERAL INFORMATION:

Formation: **KC" I-J"**  
Deviated: No Whipstock: ft (KB)      Test Type: Conventional Bottom Hole (Reset)  
Time Tool Opened: 15:24:15      Tester: Brett Dickinson  
Time Test Ended: 19:35:30      Unit No: 59  
**Interval: 3543.00 ft (KB) To 3578.00 ft (KB) (TVD)**      Reference Elevations: 2175.00 ft (KB)  
Total Depth: 3578.00 ft (KB) (TVD)      2170.00 ft (CF)  
Hole Diameter: 7.88 inches      Hole Condition: Fair      KB to GR/CF: 5.00 ft

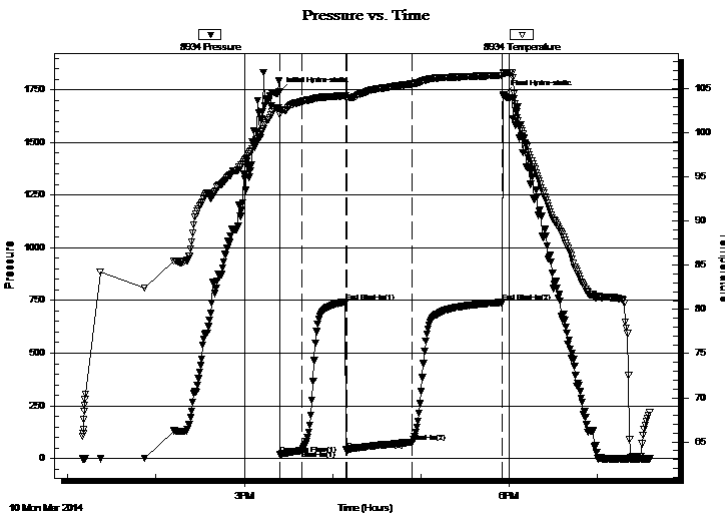
## Serial #: 8934

Inside

Press@RunDepth: 77.78 psig @ 3575.00 ft (KB)      Capacity: 8000.00 psig  
Start Date: 2014.03.10      End Date: 2014.03.10      Last Calib.: 2014.03.10  
Start Time: 13:10:05      End Time: 19:35:29      Time On Btm: 2014.03.10 @ 15:23:45  
Time Off Btm: 2014.03.10 @ 17:56:15

TEST COMMENT: IF-2 1/2" blow  
IS-No blow  
FF 7 1/2" blow  
FS-No blow

## PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1743.29	102.84	Initial Hydro-static
1	18.71	102.08	Open To Flow (1)
16	37.97	103.53	Shut-In(1)
45	744.29	104.18	End Shut-In(1)
46	41.15	103.97	Open To Flow (2)
91	77.78	105.52	Shut-In(2)
152	740.90	106.49	End Shut-In(2)
153	1726.04	106.74	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
65.00	OCM 40%O 60%M	0.32
65.00	MCO 30%M 70%O	0.32
5.00	SGO 5%G 95%O	0.02
0.00	120ft GIP	0.00

\* Recovery from multiple tests

## Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)





**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

**TOOL DIAGRAM**

Carmen Schmitt Inc.

**34-6s-20w Rooks,KS**

PO Box 47  
Great Bend KS 67530

**Vose #2**

Job Ticket: 54102

**DST#: 4**

ATTN: Dave Goldak

Test Start: 2014.03.10 @ 13:10:00

## Tool Information

Drill Pipe:	Length: 3287.00 ft	Diameter: 3.80 inches	Volume: 46.11 bbl	Tool Weight:	2500.00 lb
Heavy Wt. Pipe:	Length: ft	Diameter: 2.70 inches	Volume: - bbl	Weight set on Packer:	25000.00 lb
Drill Collar:	Length: 248.00 ft	Diameter: 2.25 inches	Volume: 1.22 bbl	Weight to Pull Loose:	65000.00 lb
			<u>Total Volume:</u>	Tool Chased	0.00 ft
			- bbl	String Weight: Initial	50000.00 lb
Drill Pipe Above KB:	20.00 ft			Final	51000.00 lb
Depth to Top Packer:	3543.00 ft				
Depth to Bottom Packer:	ft				
Interval between Packers:	35.00 ft				
Tool Length:	63.00 ft				
Number of Packers:	2	Diameter:	6.75 inches		
Tool Comments:					

## Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Shut In Tool	5.00			3520.00	
Hydraulic tool	5.00			3525.00	
Jars	5.00			3530.00	
Safety Joint	3.00			3533.00	
Packer	5.00			3538.00	28.00 Bottom Of Top Packer
Packer	5.00			3543.00	
Stubb	1.00			3544.00	
Perforations	31.00			3575.00	
Recorder	0.00	8934	Inside	3575.00	
Recorder	0.00	8736	Outside	3575.00	
Bullnose	3.00			3578.00	35.00 Bottom Packers & Anchor

**Total Tool Length: 63.00**



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

**FLUID SUMMARY**

Carmen Schmitt Inc.  
PO Box 47  
Great Bend KS 67530  
ATTN: Dave Goldak

**34-6s-20w Rooks,KS**  
**Vose #2**  
Job Ticket: 54102      **DST#: 4**  
Test Start: 2014.03.10 @ 13:10:00

## Mud and Cushion Information

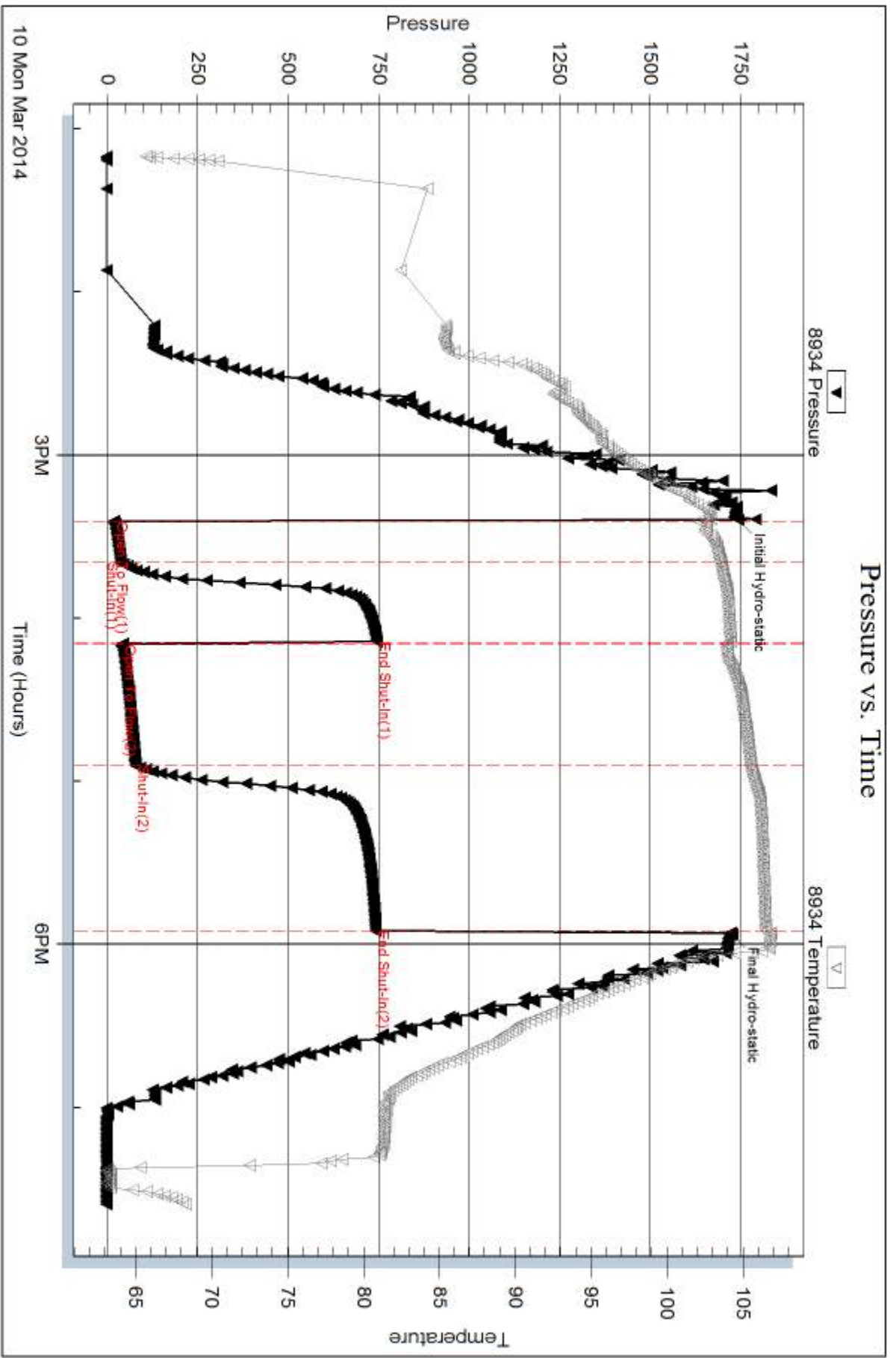
Mud Type: Gel Chem	Cushion Type:	Oil API: 32 deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity: ppm
Viscosity: 52.00 sec/qt	Cushion Volume: bbl	
Water Loss: 5.98 in <sup>3</sup>	Gas Cushion Type:	
Resistivity: ohm.m	Gas Cushion Pressure: psig	
Salinity: 1100.00 ppm		
Filter Cake: inches		

## Recovery Information

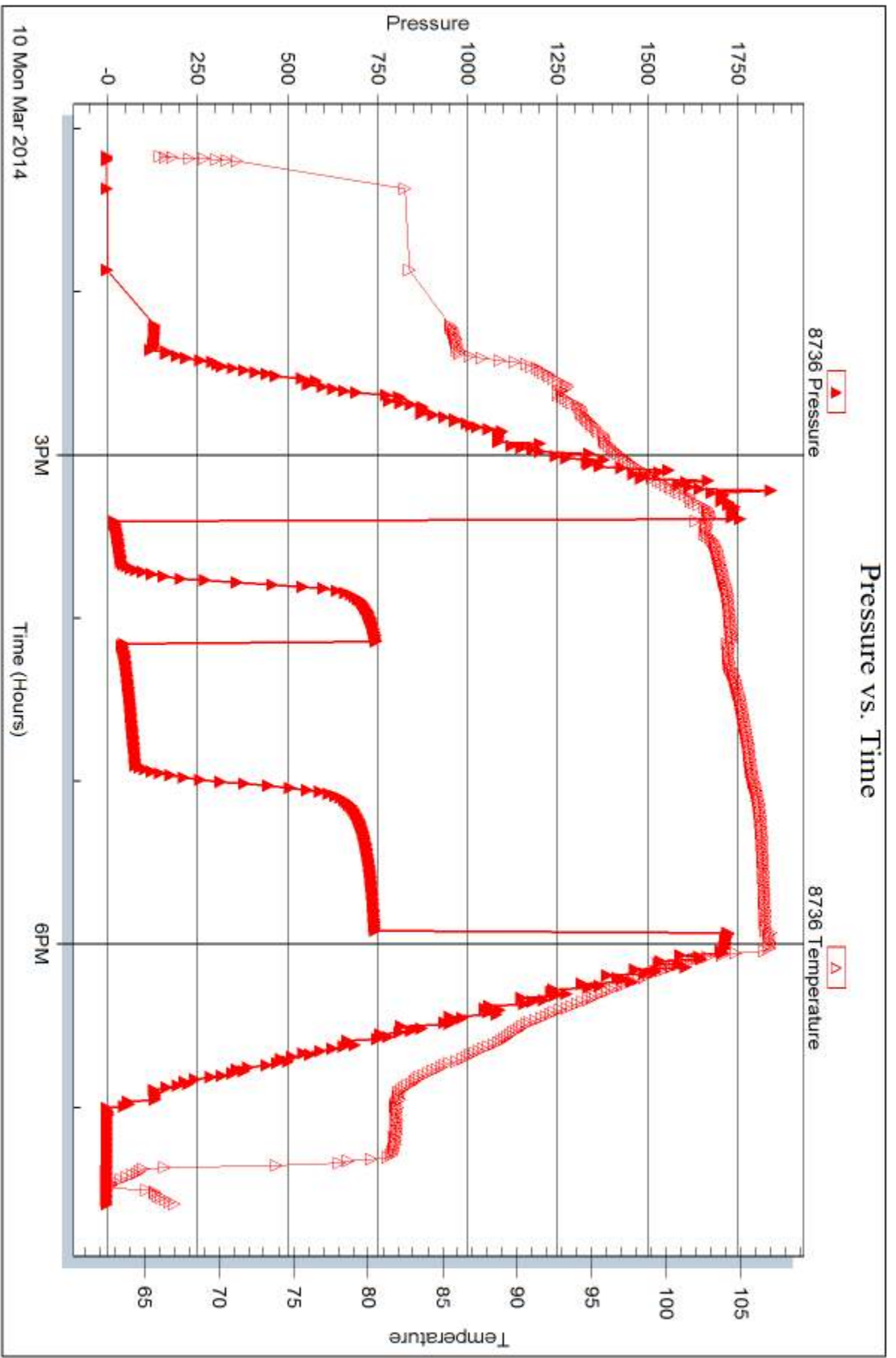
Recovery Table

Length ft	Description	Volume bbl
65.00	OCM 40%O 60%M	0.320
65.00	MCO 30%M 70%O	0.320
5.00	SGO 5%G 95%O	0.025
0.00	120ft GIP	0.000

Total Length: 135.00 ft      Total Volume: 0.665 bbl  
 Num Fluid Samples: 0      Num Gas Bombs: 0      Serial #:  
 Laboratory Name:      Laboratory Location:  
 Recovery Comments:









## DRILL STEM TEST REPORT

Prepared For: **Carmen Schmitt Inc.**

PO Box 47  
Great Bend KS 67530

ATTN: Dave Goldak

### **Vose #2**

#### **34-6s-20w Rooks,KS**

Start Date: 2014.03.11 @ 02:35:00

End Date: 2014.03.11 @ 09:17:30

Job Ticket #: 54103                      DST #: 5

Trilobite Testing, Inc  
PO Box 362 Hays, KS 67601  
ph: 785-625-4778 fax: 785-625-5620

Printed: 2014.03.17 @ 10:08:04

Carmen Schmitt Inc.  
34-6s-20w Rooks,KS  
Vose #2  
DST # 5  
KC "K-L"  
2014.03.11



**TRILOBITE TESTING, INC**

# DRILL STEM TEST REPORT

Carmen Schmitt Inc.  
 PO Box 47  
 Great Bend KS 67530  
 ATTN: Dave Goldak

**34-6s-20w Rooks,KS**  
**Vose #2**  
 Job Ticket: 54103      **DST#: 5**  
 Test Start: 2014.03.11 @ 02:35:00

## GENERAL INFORMATION:

Formation: **KC "K-L"**  
 Deviated: No Whipstock: ft (KB)  
 Time Tool Opened: 04:48:45  
 Time Test Ended: 09:17:30  
 Interval: **3576.00 ft (KB) To 3606.00 ft (KB) (TVD)**  
 Total Depth: 3606.00 ft (KB) (TVD)  
 Hole Diameter: 7.88 inches Hole Condition: Fair  
 Test Type: Conventional Bottom Hole (Reset)  
 Tester: Brett Dickinson  
 Unit No: 59  
 Reference Elevations: 2175.00 ft (KB)  
 2170.00 ft (CF)  
 KB to GR/CF: 5.00 ft

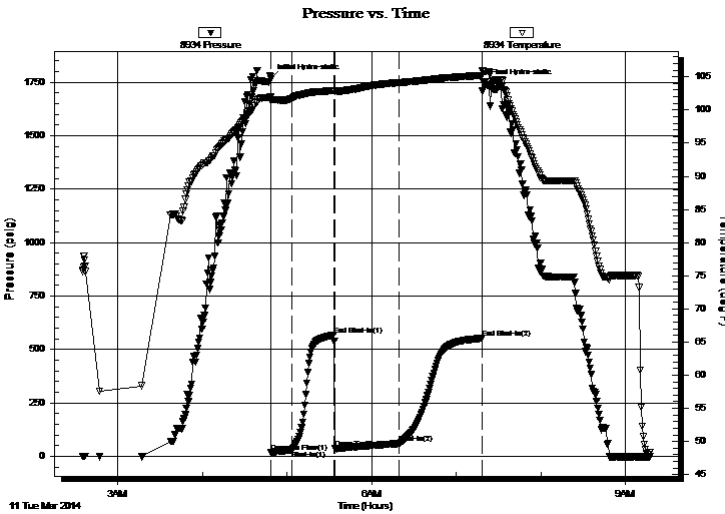
## Serial #: 8934

Inside

Press@RunDepth: 60.63 psig @ 3577.00 ft (KB)      Capacity: 8000.00 psig  
 Start Date: 2014.03.11      End Date: 2014.03.11      Last Calib.: 2014.03.11  
 Start Time: 02:35:05      End Time: 09:17:29      Time On Btm: 2014.03.11 @ 04:48:15  
 Time Off Btm: 2014.03.11 @ 07:19:30

TEST COMMENT: IF-1 1/2" blow  
 IS-No blow  
 FF-2" blow  
 FS-No blow

## PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1764.87	101.92	Initial Hydro-static
1	17.35	101.37	Open To Flow (1)
15	30.73	101.71	Shut-In(1)
45	568.94	102.92	End Shut-In(1)
46	37.22	102.73	Open To Flow (2)
92	60.63	104.11	Shut-In(2)
150	552.35	105.22	End Shut-In(2)
152	1745.67	105.73	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
10.00	Free Oil	0.05
65.00	OCM 20%O 80%M	0.32

\* Recovery from multiple tests

## Gas Rates

Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

Carmen Schmitt Inc.  
PO Box 47  
Great Bend KS 67530  
ATTN: Dave Goldak

**34-6s-20w Rooks, KS**

**Vose #2**

Job Ticket: 54103

**DST#: 5**

Test Start: 2014.03.11 @ 02:35:00

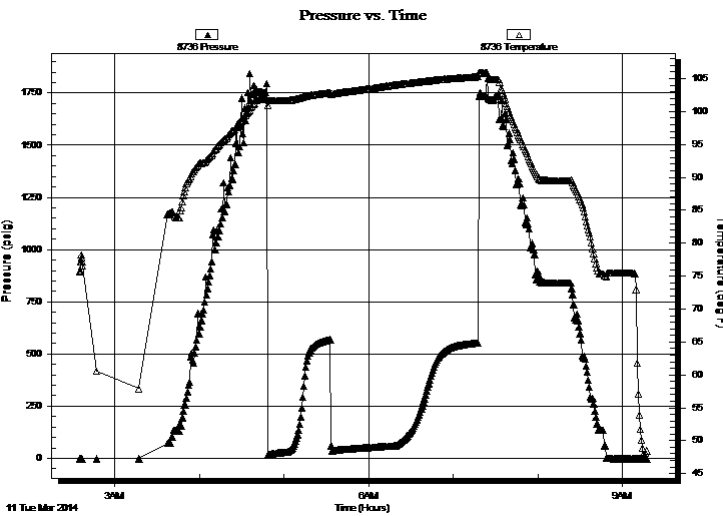
## GENERAL INFORMATION:

Formation: **KC "K-L"**  
 Deviated: No Whipstock: ft (KB)  
 Time Tool Opened: 04:48:45  
 Time Test Ended: 09:17:30  
 Interval: **3576.00 ft (KB) To 3606.00 ft (KB) (TVD)**  
 Total Depth: 3606.00 ft (KB) (TVD)  
 Hole Diameter: 7.88 inches Hole Condition: Fair  
 Test Type: Conventional Bottom Hole (Reset)  
 Tester: Brett Dickinson  
 Unit No: 59  
 Reference Elevations: 2175.00 ft (KB)  
 2170.00 ft (CF)  
 KB to GR/CF: 5.00 ft

**Serial #: 8736 Outside**

Press@RunDepth: psig @ 3577.00 ft (KB) Capacity: 8000.00 psig  
 Start Date: 2014.03.11 End Date: 2014.03.11 Last Calib.: 2014.03.11  
 Start Time: 02:35:05 End Time: 09:17:29 Time On Btm:  
 Time Off Btm:

TEST COMMENT: IF-1 1/2" blow  
 IS-No blow  
 FF-2" blow  
 FS-No blow



## PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation

## Recovery

Length (ft)	Description	Volume (bbl)
10.00	Free Oil	0.05
65.00	OCM 20%O 80%M	0.32

## Gas Rates

Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)

\* Recovery from multiple tests



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

**TOOL DIAGRAM**

Carmen Schmitt Inc.

**34-6s-20w Rooks,KS**

PO Box 47  
Great Bend KS 67530

**Vose #2**

Job Ticket: 54103

**DST#: 5**

ATTN: Dave Goldak

Test Start: 2014.03.11 @ 02:35:00

## Tool Information

Drill Pipe:	Length: 3320.00 ft	Diameter: 3.80 inches	Volume: 46.57 bbl	Tool Weight:	2500.00 lb
Heavy Wt. Pipe:	Length: ft	Diameter: 2.70 inches	Volume: - bbl	Weight set on Packer:	25000.00 lb
Drill Collar:	Length: 248.00 ft	Diameter: 2.25 inches	Volume: 1.22 bbl	Weight to Pull Loose:	60000.00 lb
			<u>Total Volume:</u>	Tool Chased	0.00 ft
				String Weight: Initial	50000.00 lb
Drill Pipe Above KB:	20.00 ft			Final	50000.00 lb
Depth to Top Packer:	3576.00 ft				
Depth to Bottom Packer:	ft				
Interval between Packers:	30.00 ft				
Tool Length:	58.00 ft				
Number of Packers:	2	Diameter:	6.75 inches		
Tool Comments:					

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
------------------	-------------	------------	----------	------------	----------------

Shut In Tool	5.00			3553.00	
Hydraulic tool	5.00			3558.00	
Jars	5.00			3563.00	
Safety Joint	3.00			3566.00	
Packer	5.00			3571.00	28.00 Bottom Of Top Packer
Packer	5.00			3576.00	
Stubb	1.00			3577.00	
Recorder	0.00	8934	Inside	3577.00	
Recorder	0.00	8736	Outside	3577.00	
Perforations	26.00			3603.00	
Bullnose	3.00			3606.00	30.00 Bottom Packers & Anchor

**Total Tool Length: 58.00**



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

## FLUID SUMMARY

Carmen Schmitt Inc.

**34-6s-20w Rooks,KS**

PO Box 47  
Great Bend KS 67530

**Vose #2**

Job Ticket: 54103

**DST#: 5**

ATTN: Dave Goldak

Test Start: 2014.03.11 @ 02:35:00

### Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

34 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 52.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 5.97 in<sup>3</sup>

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 1100.00 ppm

Filter Cake: inches

### Recovery Information

Recovery Table

Length ft	Description	Volume bbbl
10.00	Free Oil	0.049
65.00	OCM 20%O 80%M	0.320

Total Length: 75.00 ft      Total Volume: 0.369 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

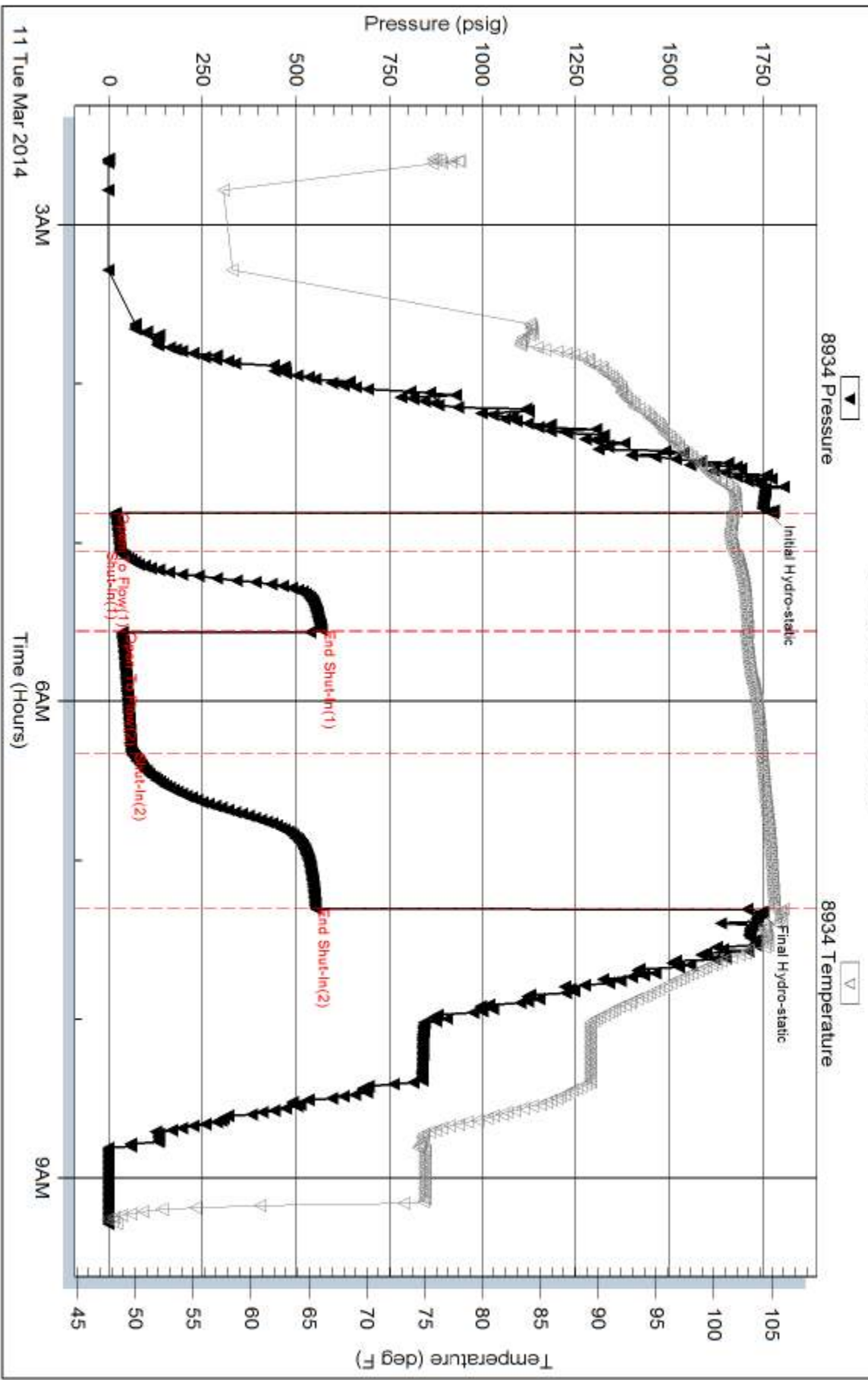
Serial #:

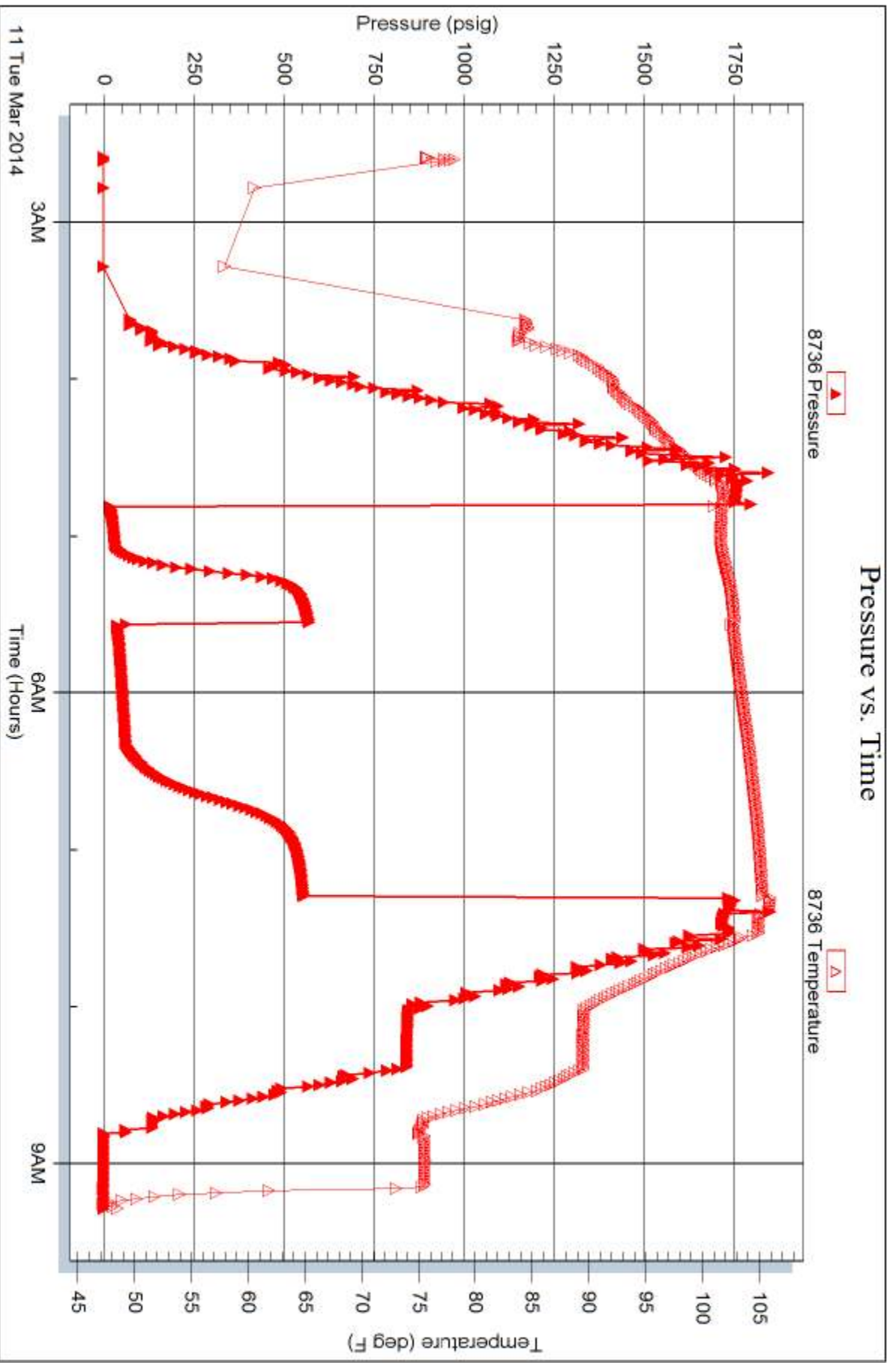
Laboratory Name:

Laboratory Location:

Recovery Comments:

### Pressure vs. Time









# TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

## Test Ticket

NO. **56224**

4/10

Well Name & No. <u>Vose #2</u>	Test No. <u>1</u>	Date <u>3/8/14</u>
Company <u>Carmen Schmitt, Inc.</u>	Elevation <u>2175</u>	KB <u>2170</u> GL
Address <u>PO Box 47 Greathead KS 67530</u>		
Co. Rep / Geo. <u>Dave Goldak</u>	Rig <u>Mallard</u>	
Location: Sec. <u>34</u> Twp. <u>6</u> Rge. <u>20</u> Co. <u>Rooks</u> State <u>KS</u>		

Interval Tested <u>3369 - 3411</u>	Zone Tested <u>Toronto - KC "A"</u>
Anchor Length <u>42</u>	Drill Pipe Run <u>3105</u> Mud Wt. <u>8.9</u>
Top Packer Depth <u>3364</u>	Drill Collars Run <u>298</u> Vis <u>52</u>
Bottom Packer Depth <u>3369</u>	Wt. Pipe Run <u>-</u> WL <u>6.0</u>
Total Depth <u>3411</u>	Chlorides <u>1,100</u> ppm System LCM
Blow Description <u>couldn't get test tool to bottom</u>	

Rec	Feet of	%gas	%oil	%water	%mud

Rec Total _____	BHT _____	Gravity _____	API RW _____	@ _____ °F	Chlorides _____ ppm
(A) Initial Hydrostatic _____	<input checked="" type="checkbox"/> Test 950	T-On Location <u>16:25</u>			
(B) First Initial Flow _____	<input checked="" type="checkbox"/> Jars 250	T-Started <u>16:45</u>			
(C) First Final Flow _____	<input checked="" type="checkbox"/> Safety Joint 75	T-Open <u>16:48</u>			
(D) Initial Shut-In _____	<input type="checkbox"/> Circ Sub _____	T-Pulled _____			
(E) Second Initial Flow _____	<input type="checkbox"/> Hourly Standby _____	T-Out <u>18:25</u>			
(F) Second Final Flow _____	<input checked="" type="checkbox"/> Mileage <u>124.7</u> 192.20	Comments _____			
(G) Final Shut-In _____	<input type="checkbox"/> Sampler _____				
(H) Final Hydrostatic _____	<input type="checkbox"/> Straddle _____	<input type="checkbox"/> Ruined Shale Packer _____			
Initial Open _____	<input type="checkbox"/> Shale Packer _____	<input type="checkbox"/> Ruined Packer _____			
Initial Shut-In _____	<input type="checkbox"/> Extra Packer _____	<input type="checkbox"/> Extra Copies _____			
Final Flow _____	<input type="checkbox"/> Extra Recorder _____	Sub Total <u>0</u>			
Final Shut-In _____	<input type="checkbox"/> Day Standby _____	Total <u>1467.20</u>			
	<input type="checkbox"/> Accessibility _____	MP/DST Disc't _____			
	Sub Total <u>1467.20</u>				

Approved By \_\_\_\_\_ Our Representative Burton

Trilobite Testing Inc. shall not be liable for damaged of any kind of the property or personnel of the one for whom a test is made, or for any loss suffered or sustained, directly or indirectly, through the use of its equipment, or its statements or opinion concerning the results of any test, tools lost or damaged in the hole shall be paid for at cost by the party for whom the test is made.



# TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

## Test Ticket

NO. **56225**

Well Name & No. Vose #2 Test No. 2 Date 3/8/14  
 Company Carmen Schmitt, Inc. Elevation 2175 KB 2170 GL  
 Address PO Box 47 Greatbend KS 67530  
 Co. Rep / Geo. Dave Goldak Rig Mallard  
 Location: Sec. 34 Twp. 6 Rge. 20 Co. Rooks State KS

Interval Tested 3369 - 3411 Zone Tested Toronto - KC "A"  
 Anchor Length 42 Drill Pipe Run 3105 Mud Wt. 8.9  
 Top Packer Depth 3364 Drill Collars Run 248 Vis 52  
 Bottom Packer Depth 3369 Wt. Pipe Run — WL 6.0  
 Total Depth 3411 Chlorides 1100 ppm System LCM —

Blow Description IF - 3in blow  
ISI - No blow  
FF - 3 1/4 in blow  
FSI - No blow

Rec	Feet of	%gas	%oil	%water	%mud
<u>125</u>	<u>VSO WCM</u>	<u>2</u>	<u>28</u>	<u>70</u>	
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud

Rec Total 125 BHT 99 Gravity — API RW .38 @ 40 °F Chlorides 38000 ppm

(A) Initial Hydrostatic 1,664  Test 1150 T-On Location 22:35  
 (B) First Initial Flow 18  Jars 250 T-Started 22:45  
 (C) First Final Flow 45  Safety Joint 75 T-Open 2:25  
 (D) Initial Shut-In 294  Circ Sub \_\_\_\_\_ T-Pulled 4:55  
 (E) Second Initial Flow 48  Hourly Standby \_\_\_\_\_ T-Out 6:57  
 (F) Second Final Flow 96  Mileage 124rT 192.20 Comments \_\_\_\_\_  
 (G) Final Shut-In 291  Sampler \_\_\_\_\_  
 (H) Final Hydrostatic 1,634  Straddle \_\_\_\_\_  Ruined Shale Packer \_\_\_\_\_  
 Shale Packer \_\_\_\_\_  Ruined Packer \_\_\_\_\_  
 Extra Packer \_\_\_\_\_  Extra Copies \_\_\_\_\_  
 Initial Open 15  Extra Recorder \_\_\_\_\_ Sub Total 0  
 Initial Shut-In 30  Day Standby \_\_\_\_\_ Total 1667.20  
 Final Flow 45  Accessibility \_\_\_\_\_ MP/DST Disc't \_\_\_\_\_  
 Final Shut-In 60 Sub Total 1667.20

Approved By \_\_\_\_\_ Our Representative Burt D... -

Trilobite Testing Inc. shall not be liable for damaged of any kind of the property or personnel of the one for whom a test is made, or for any loss suffered or sustained, directly or indirectly, through the use of its equipment, or its statements or opinion concerning the results of any test, tools lost or damaged in the hole shall be paid for at cost by the party for whom the test is made.



# TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

## Test Ticket

NO. 54101

Well Name & No. Vosc #2 Test No. 3 Date 3/9/14  
 Company Carmen Schmitt, Inc. Elevation 2175 KB 2170 GL  
 Address PO Box 47 Greatbend KS 67530  
 Co. Rep / Geo. Pave Galdak Rig Mallard  
 Location: Sec. 34 Twp. 6 Rge. 20 Co. Rooks State KS

Interval Tested 3431-3491 Zone Tested LC "D-F"  
 Anchor Length 60 Drill Pipe Run \_\_\_\_\_ Mud Wt. \_\_\_\_\_  
 Top Packer Depth 3426 Drill Collars Run 248 Vis \_\_\_\_\_  
 Bottom Packer Depth 3431 Wt. Pipe Run \_\_\_\_\_ WL \_\_\_\_\_  
 Total Depth 3491 Chlorides \_\_\_\_\_ ppm System LCM \_\_\_\_\_  
 Blow Description AF- 6 in blow  
ISF- No blow

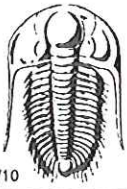
Rec	Feet of	%gas	%oil	%water	%mud
<u>30</u>	<u>SGO</u>	<u>5</u>	<u>95</u>		
<u>110</u>	<u>SWOCM</u>		<u>20</u>	<u>5</u>	<u>75</u>
<u>125</u>	<u>VSOMC</u>		<u>2</u>	<u>78</u>	<u>20</u>
____	____	____	____	____	____
____	____	____	____	____	____

Rec Total 265 BHT 105 Gravity 35 API RW 50 @ -12 °F Chlorides 95,000 ppm

(A) Initial Hydrostatic 1,670  Test 1150 T-On Location 18:25  
 (B) First Initial Flow 23  Jars 250 T-Started 18:55  
 (C) First Final Flow 67  Safety Joint 75 T-Open 20:57  
 (D) Initial Shut-In 625  Circ Sub \_\_\_\_\_ T-Pulled 21:27  
 (E) Second Initial Flow 75  Hourly Standby \_\_\_\_\_ T-Out 1:25  
 (F) Second Final Flow 133  Mileage 124.1 192.20 Comments \_\_\_\_\_  
 (G) Final Shut-In 617  Sampler \_\_\_\_\_  
 (H) Final Hydrostatic 1,658  Straddle \_\_\_\_\_  Ruined Shale Packer \_\_\_\_\_  
 Shale Packer \_\_\_\_\_  Ruined Packer \_\_\_\_\_  
 Extra Packer \_\_\_\_\_  Extra Copies \_\_\_\_\_  
 Initial Open 15  Extra Recorder \_\_\_\_\_ Sub Total 0  
 Initial Shut-In 30  Day Standby \_\_\_\_\_ Total 1667.20  
 Final Flow 45  Accessibility \_\_\_\_\_ MP/DST Disc't \_\_\_\_\_  
 Final Shut-In 60 Sub Total 1667.20

Approved By \_\_\_\_\_ Our Representative Bert Durr

TriLOBITE Testing Inc. shall not be liable for damaged of any kind of the property or personnel of the one for whom a test is made, or for any loss suffered or sustained, directly or indirectly, through the use of its equipment, or its statements or opinion concerning the results of any test, tools lost or damaged in the hole shall be paid for at cost by the party for whom the test is made.



# TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

## Test Ticket

NO. 54102

Well Name & No. Vose #2 Test No. 4 Date 3/10/14  
 Company Carmen Schmitt, Inc. Elevation 2175 KB 2170 GL  
 Address PO Box 47 Greatbend KS 67530  
 Co. Rep / Geo. Pave Galdak Rig Mallard  
 Location: Sec. 34 Twp. 6 Rge. 20 Co. Books State KS

Interval Tested 3543 - 3578 Zone Tested KC "I-D"  
 Anchor Length 35 Drill Pipe Run \_\_\_\_\_ Mud Wt. \_\_\_\_\_  
 Top Packer Depth 3538 Drill Collars Run 248 Vis \_\_\_\_\_  
 Bottom Packer Depth 3543 Wt. Pipe Run \_\_\_\_\_ WL \_\_\_\_\_  
 Total Depth 3578 Chlorides \_\_\_\_\_ ppm System LCM \_\_\_\_\_

Blow Description 2F - 2 1/2 in blow  
1ST - No blow  
FF - 7 1/2 in blow  
FST - No blow

Rec	Feet of	%gas	%oil	%water	%mud
<u>65</u>	<u>OCM</u>	<u>40</u>		<u>60</u>	
<u>66</u>	<u>MCO</u>	<u>70</u>		<u>30</u>	
<u>5</u>	<u>360</u>	<u>5</u>	<u>95</u>		
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____

Rec Total 135 BHT \_\_\_\_\_ Gravity 32 API RW \_\_\_\_\_ @ \_\_\_\_\_ °F Chlorides \_\_\_\_\_ ppm

(A) Initial Hydrostatic 1,743  Test 1150 T-On Location 12:55  
 (B) First Initial Flow 19  Jars 250 T-Started 13:10  
 (C) First Final Flow 38  Safety Joint 75 T-Open 15:25  
 (D) Initial Shut-In 744  Circ Sub \_\_\_\_\_ T-Pulled 17:55  
 (E) Second Initial Flow 41  Hourly Standby \_\_\_\_\_ T-Out 18:35  
 (F) Second Final Flow 78  Mileage 124.7 192.20 Comments \_\_\_\_\_  
 (G) Final Shut-In 741  Sampler \_\_\_\_\_  
 (H) Final Hydrostatic 1,726  Straddle \_\_\_\_\_  
 Shale Packer \_\_\_\_\_  
 Shale Packer \_\_\_\_\_  
 Extra Packer \_\_\_\_\_  
 Extra Recorder \_\_\_\_\_

Initial Open 15  Ruined Shale Packer \_\_\_\_\_  
 Initial Shut-In 30  Ruined Packer \_\_\_\_\_  
 Final Flow 45  Extra Copies \_\_\_\_\_  
 Final Shut-In 60  Sub Total 0  
 Sub Total 1667.20 Total 1667.20  
 MP/DST Disc't \_\_\_\_\_

Approved By \_\_\_\_\_ Our Representative Butt...

Trilobite Testing Inc. shall not be liable for damaged of any kind of the property or personnel of the one for whom a test is made, or for any loss suffered or sustained, directly or indirectly, through the use of its equipment, or its statements or opinion concerning the results of any test, tools lost or damaged in the hole shall be paid for at cost by the party for whom the test is made.



# TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

## Test Ticket

NO. 54103

Well Name & No. Vose #2 Test No. 5 Date 3/11/14  
 Company Carmen Schmitt, Inc. Elevation 2175 KB 2170 GL  
 Address PO Box 47 Greatbend KS 67530  
 Co. Rep / Geo. Dave Goldak Rig Mallard  
 Location: Sec. 34 Twp. 6 Rge. 20 Co. Rooks State KS

Interval Tested 3576 - 3606 Zone Tested KC "K-L"  
 Anchor Length 30 Drill Pipe Run \_\_\_\_\_ Mud Wt. \_\_\_\_\_  
 Top Packer Depth 3571 Drill Collars Run 248 Vis \_\_\_\_\_  
 Bottom Packer Depth 3526 Wt. Pipe Run \_\_\_\_\_ WL \_\_\_\_\_  
 Total Depth 3606 Chlorides \_\_\_\_\_ ppm System LCM \_\_\_\_\_

Blow Description FF - 1 1/2 in blow  
ISI - No blow  
FF - 2 in  
ISI - No blow

Rec	Feet of	%gas	%oil	%water	%mud
<u>10</u>	<u>oil</u>	<u>100</u>			
<u>65</u>	<u>OCM</u>	<u>20</u>		<u>80</u>	
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____

Rec Total 75 BHT 105 Gravity \_\_\_\_\_ API RW \_\_\_\_\_ @ \_\_\_\_\_ °F Chlorides \_\_\_\_\_ ppm

(A) Initial Hydrostatic <u>1,765</u>	<input checked="" type="checkbox"/> Test <u>1150</u>	T-On Location <u>2:30</u>
(B) First Initial Flow <u>17</u>	<input checked="" type="checkbox"/> Jars <u>250</u>	T-Started <u>2:35</u>
(C) First Final Flow <u>31</u>	<input checked="" type="checkbox"/> Safety Joint <u>75</u>	T-Open <u>4:50</u>
(D) Initial Shut-In <u>569</u>	<input type="checkbox"/> Circ Sub _____	T-Pulled <u>7:20</u>
(E) Second Initial Flow <u>37</u>	<input type="checkbox"/> Hourly Standby _____	T-Out <u>9:17</u>
(F) Second Final Flow <u>61</u>	<input checked="" type="checkbox"/> Mileage <u>124.7</u> <u>192.20</u>	Comments <u>Lead</u>
(G) Final Shut-In <u>352</u>	<input type="checkbox"/> Sampler _____	<u>Tools</u>
(H) Final Hydrostatic <u>1,746</u>	<input type="checkbox"/> Straddle _____	<input type="checkbox"/> Ruined Shale Packer _____

Initial Open 15  
 Initial Shut-In 30  
 Final Flow 45  
 Final Shut-In 60

Shale Packer \_\_\_\_\_  
 Extra Packer \_\_\_\_\_  
 Extra Recorder \_\_\_\_\_  
 Day Standby \_\_\_\_\_  
 Accessibility \_\_\_\_\_

Sub Total 1667.20

Sub Total 0  
 Total 1667.20  
 MP/DST Disc't \_\_\_\_\_

Approved By \_\_\_\_\_ Our Representative Bert Duer

Trilobite Testing Inc. shall not be liable for damaged of any kind of the property or personnel of the one for whom a test is made, or for any loss suffered or sustained, directly or indirectly, through the use of its equipment, or its statements or opinion concerning the results of any test, tools lost or damaged in the hole shall be paid for at cost by the party for whom the test is made.

## CEMENT BOND LOG

Company **CARMEN SCHMITT, INC**  
 Well **VOSE #2**  
 Field **DGH**  
 County **ROOKS** State **KANSAS**

Company **CARMEN SCHMITT, INC**  
 Well **VOSE #2**  
 Field **DGH**  
 County **ROOKS**  
 State **KANSAS**

Location **2255' FNL & 675' FEL**  
 SEC. **34** TWP. **6S** RGE. **20W**  
 Permanent Datum **GROUND LEVEL** Elevation **2170**  
 Log Measured From **KELLY BUSHING 5' AGL**  
 Drilling Measured From **KELLY BUSHING**  
 Other Services  
 K.B. 2175  
 D.F.  
 G.L. 2170

Date	03-20-2014		03-20-2014				
Run Number	ONE	ONE					
Depth Driller	3750						
Depth Logger	3718	1900					
Bottom Logged Interval	3717	1899					
Top Log Interval	1941	0					
Open Hole Size							
Type Fluid	WATER	WATER					
Density / Viscosity							
Max. Recorded Temp.							
Estimated Cement Top	2141						
Time Well Ready							
Time Logger on Bottom							
Equipment Number	52						
Location	GREAT BEND						
Recorded By	LEE BRETZ						
Witnessed By	MR. CURTIS HITSCHMANN						
Borehole Record		Tubing Record					
Run Number	Bit	From	To	Size	Weight	From	To
Casing Record	Size	Wgt/Ft	Top	Bottom			
Surface String	8.625		0	208			
Prot. String							
Production String	5.5		0	3740			
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  
 STOCKTON,KS  
 5 MILE NORTH TO RD E  
 13 WEST TO RD 5  
 1 1/2 SOUTH EAST INTO

CORRECTED +.8' TO OPENHOLE LOG

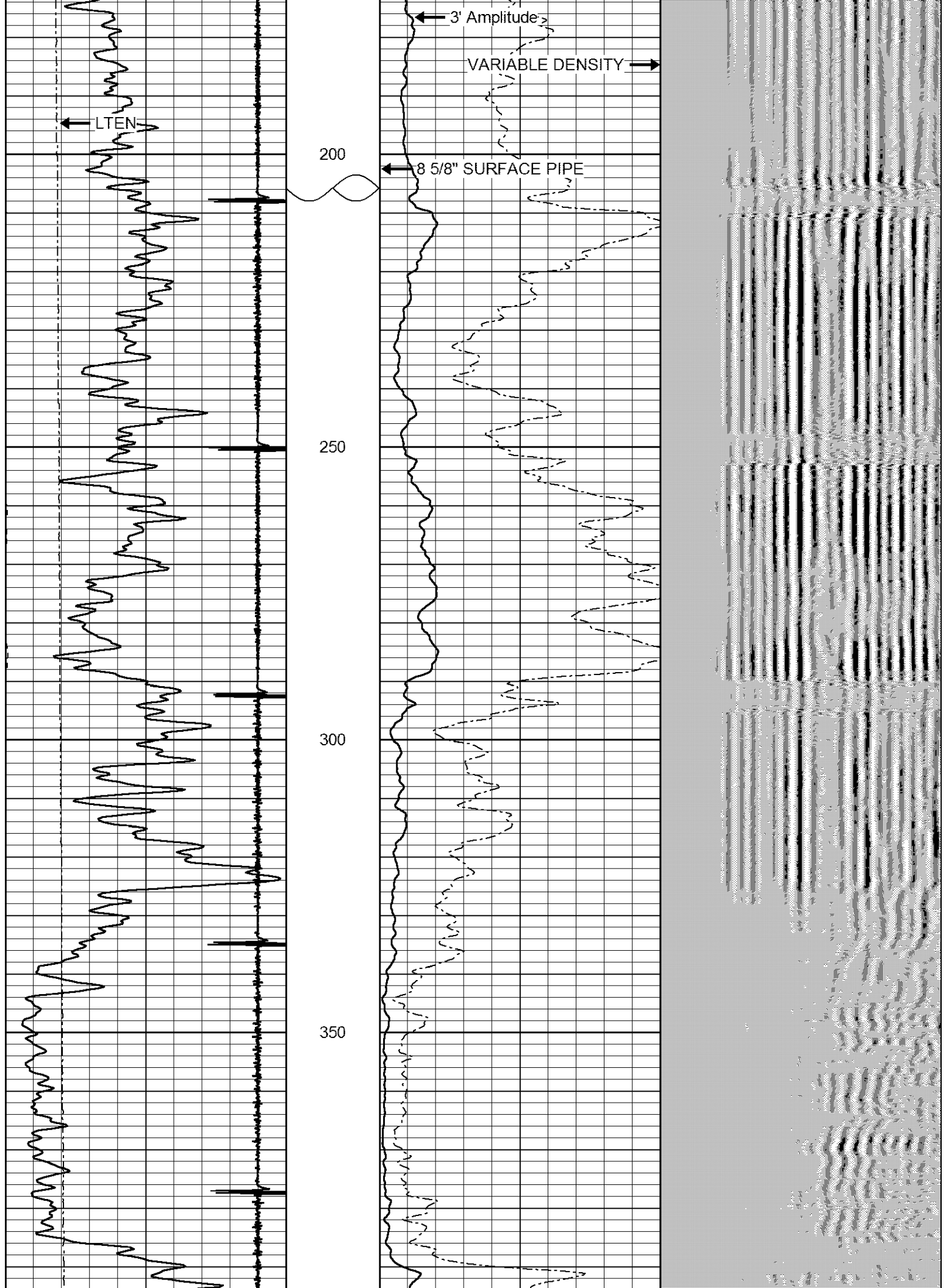
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 Dataset Pathname: pass4  
 Presentation Format: cbl02  
 Dataset Creation: Thu Mar 20 12:39:48 2014 by Log 7.0 B1  
 Charted by: Depth in Feet scaled 1:240

9	Collar Locator	-1
0	Gamma Ray (GAPI)	150
320	TT3 (usec)	120
0	LTEN (lb)	1500

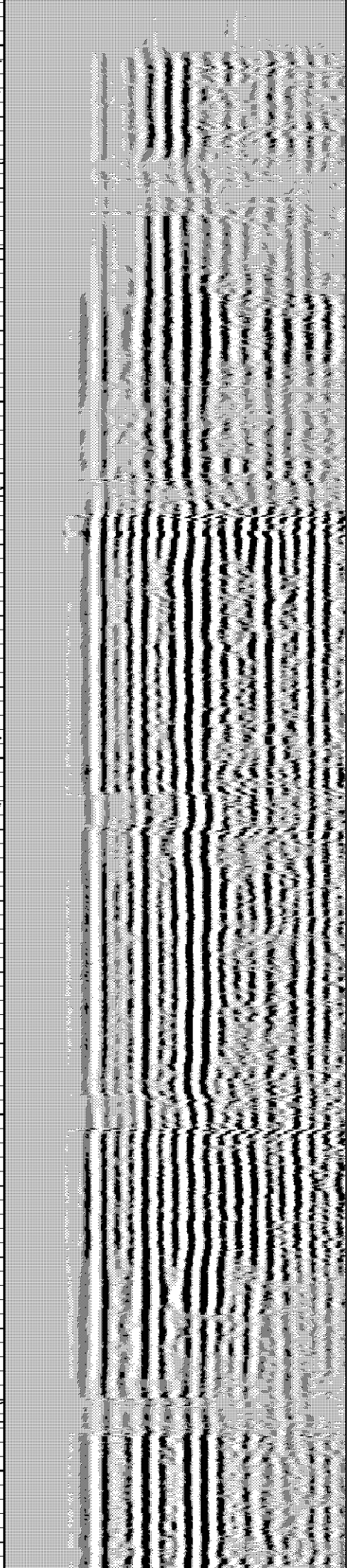
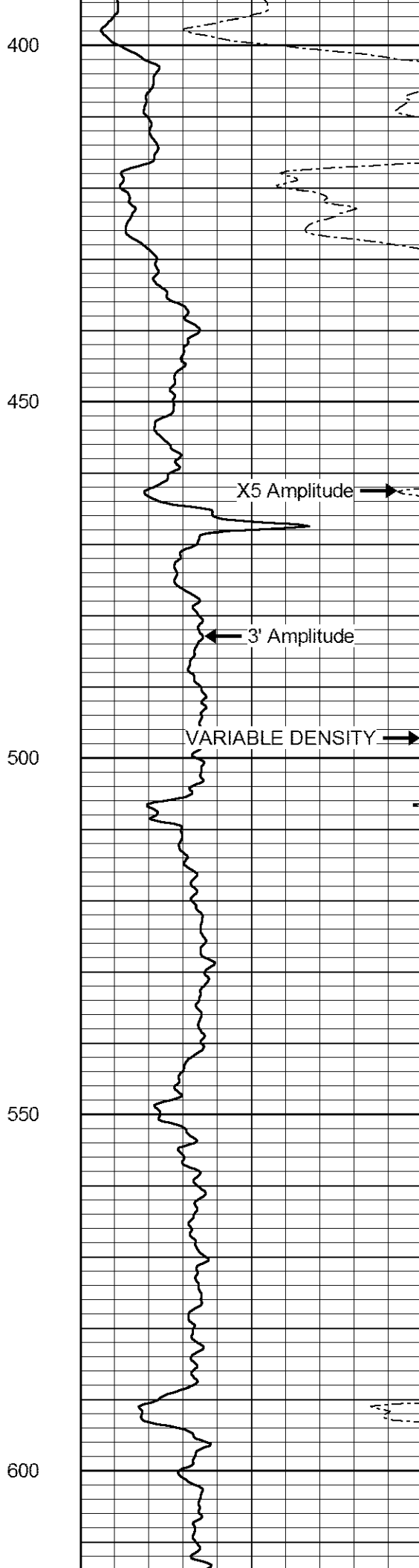
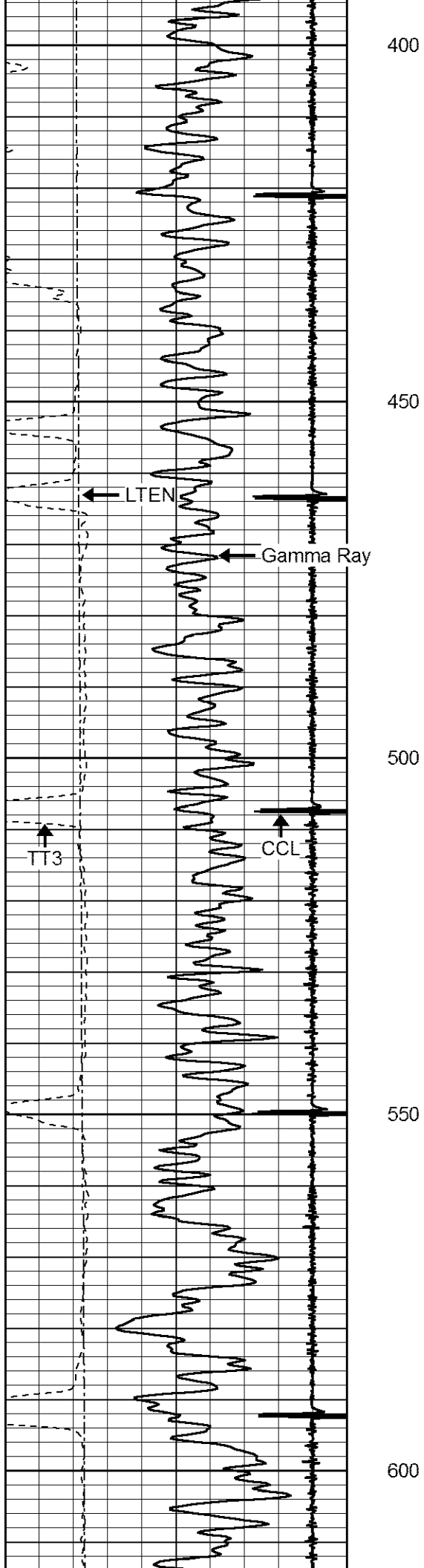
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0	X5 Amplitude (mV)	20

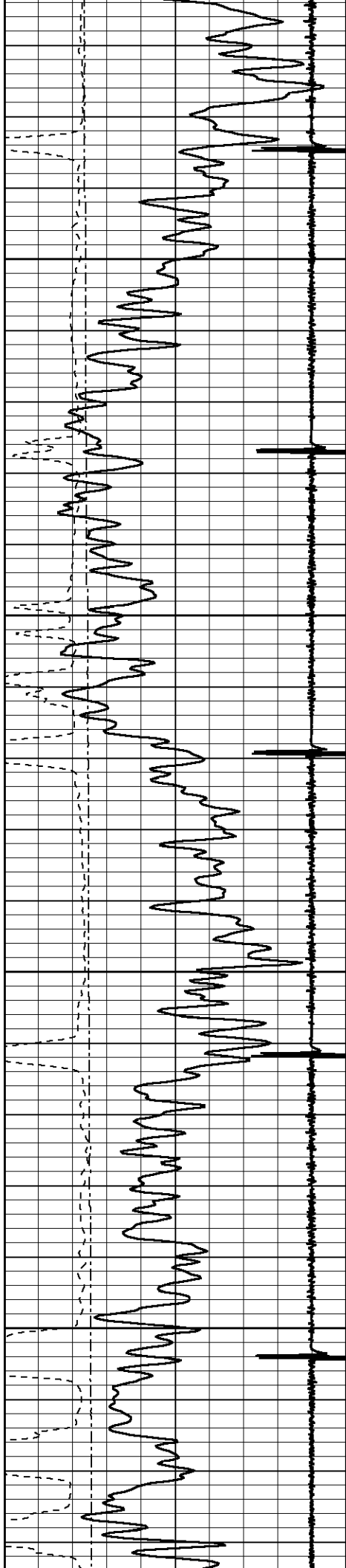
200 VARIABLE DENSITY 1200









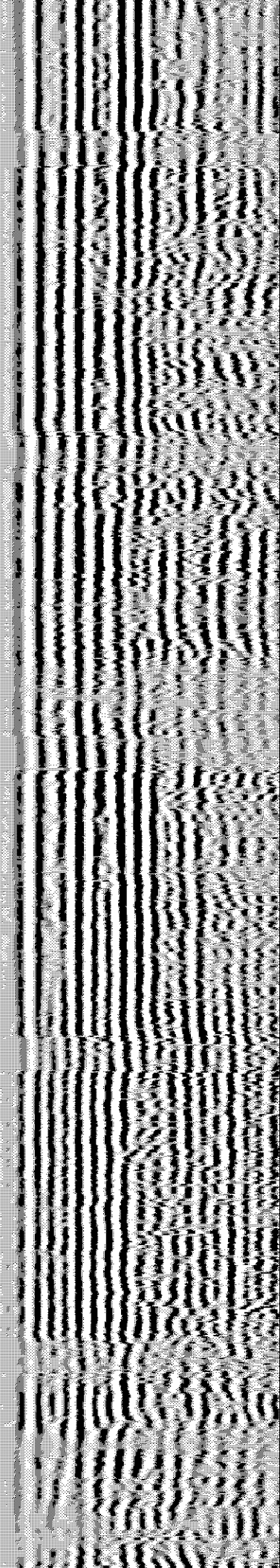
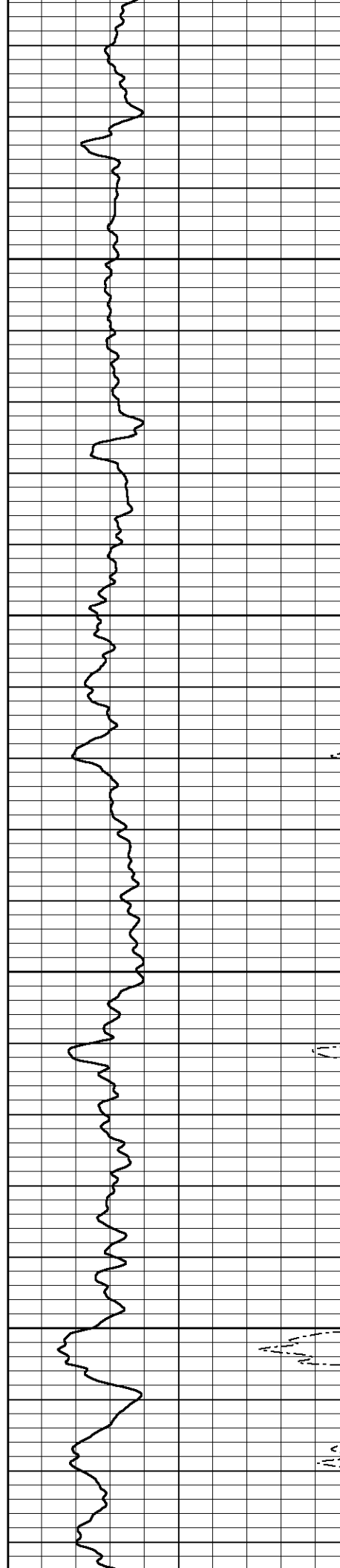


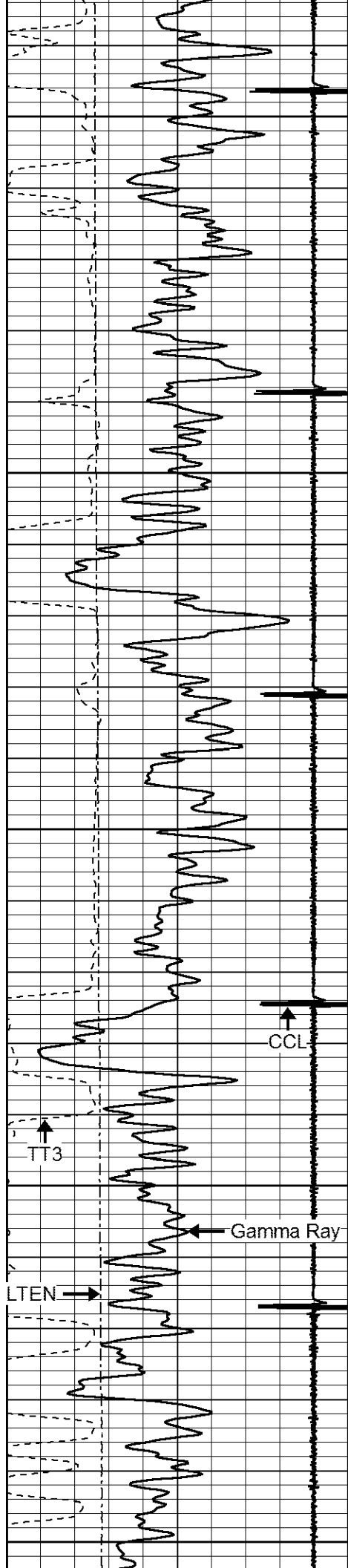
650

700

750

800





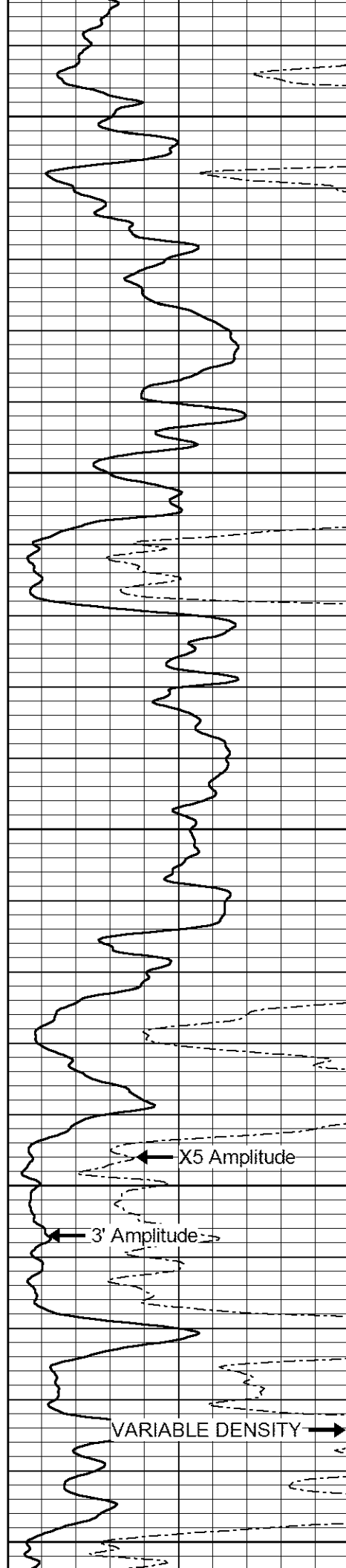
850

900

950

1000

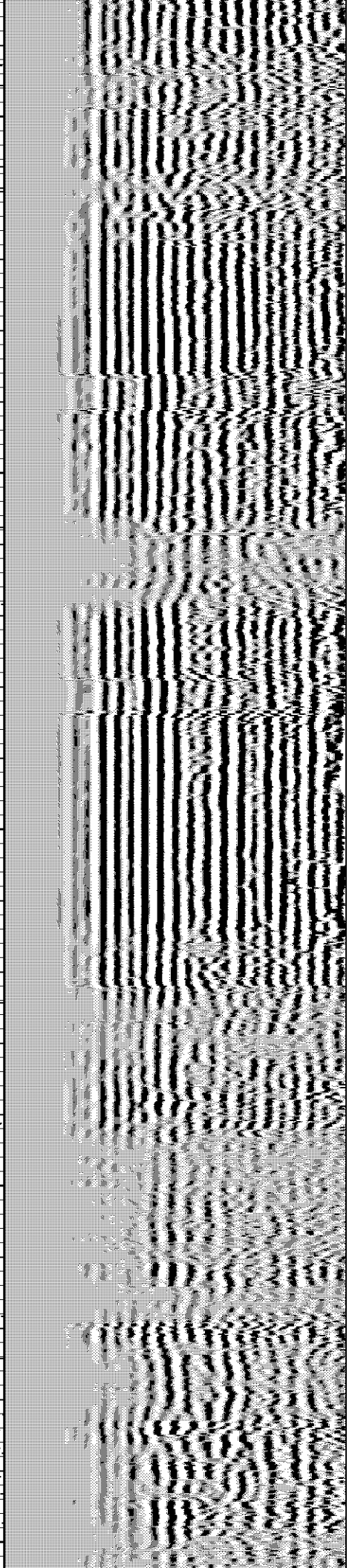
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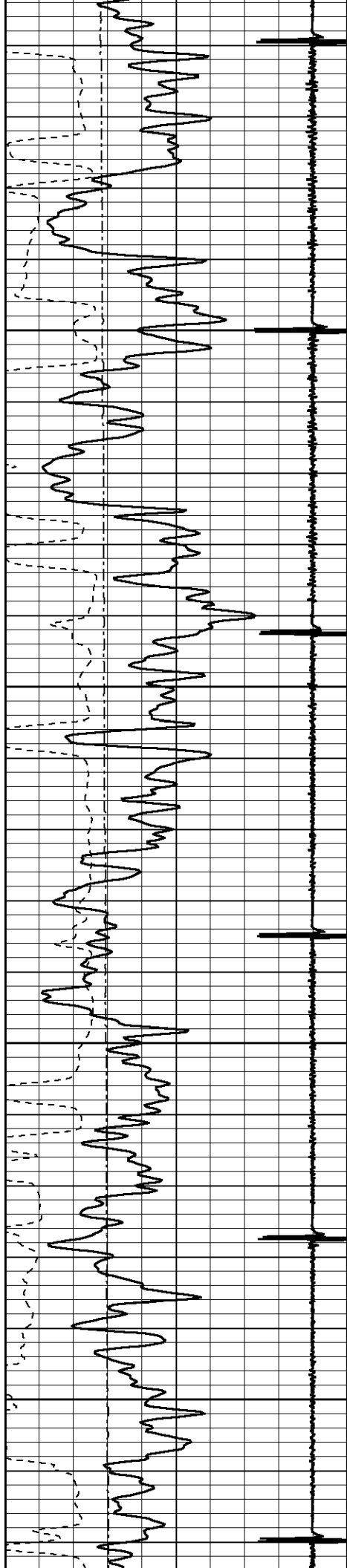


X5 Amplitude

3' Amplitude

VARIABLE DENSITY



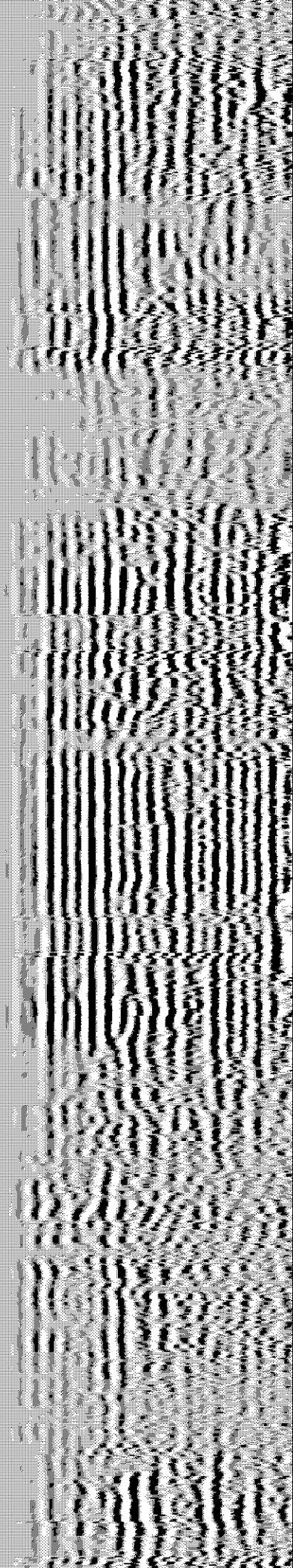
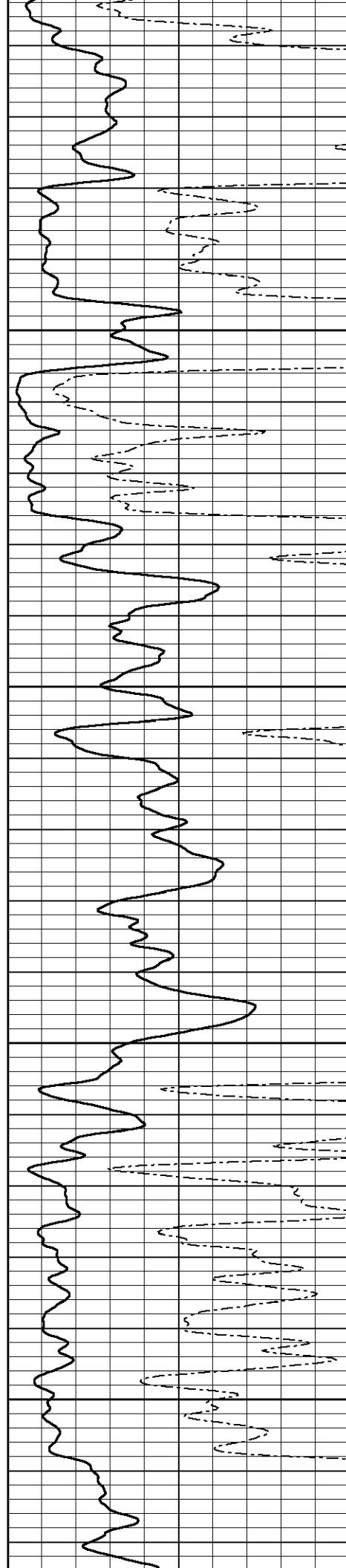


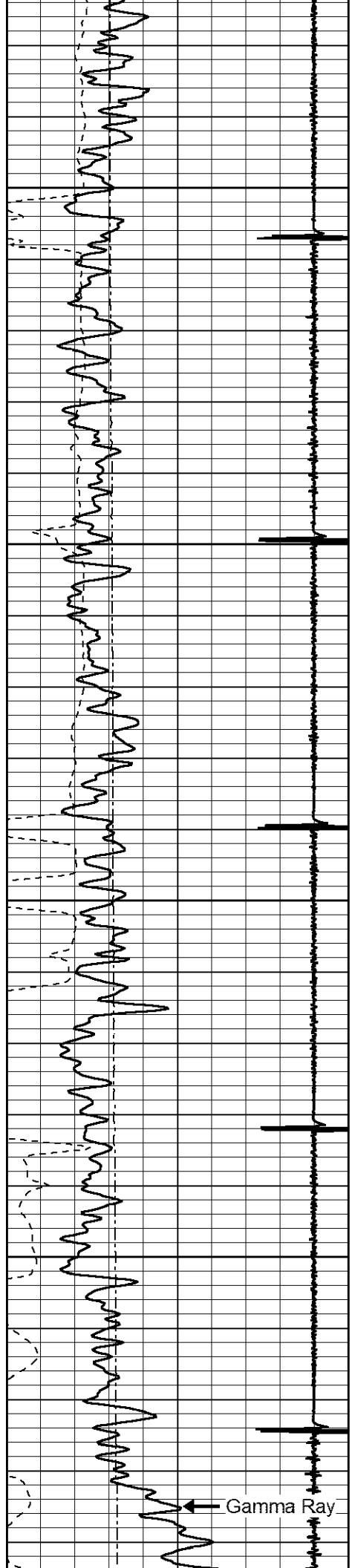
1100

1150

1200

1250





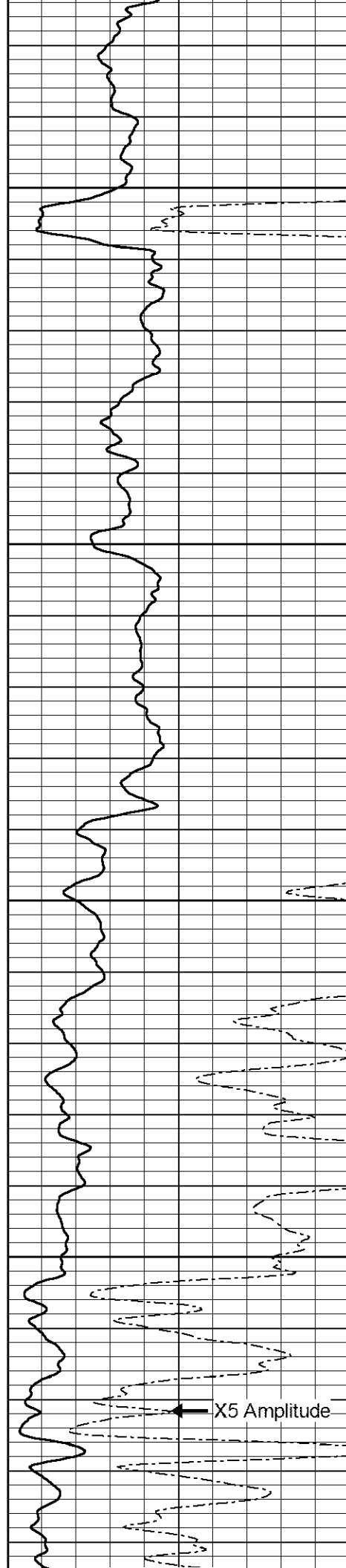
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1350

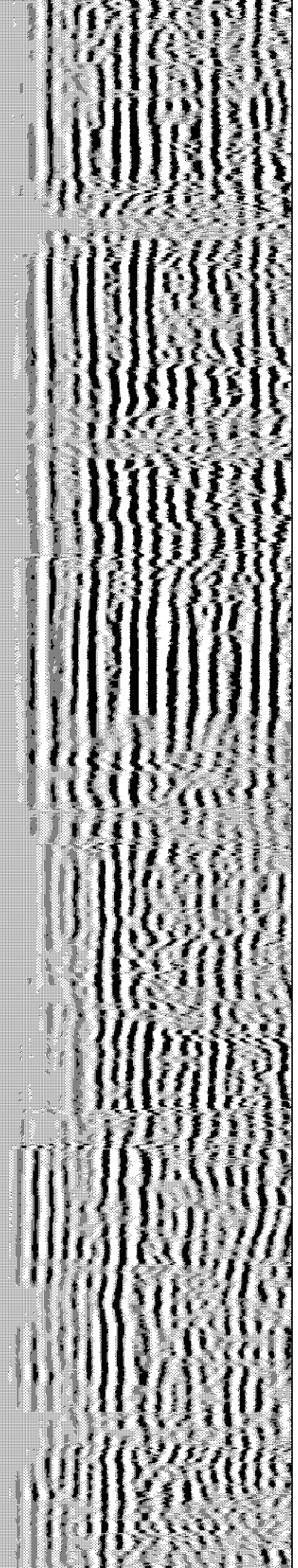
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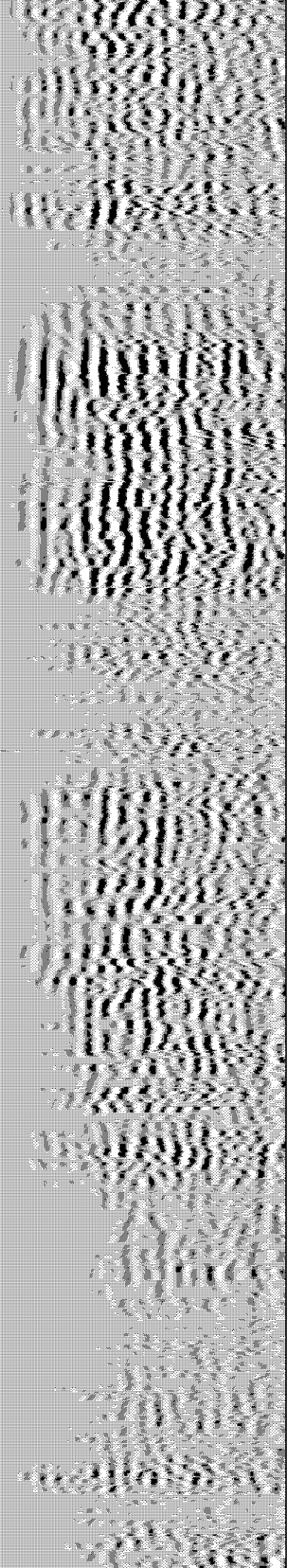
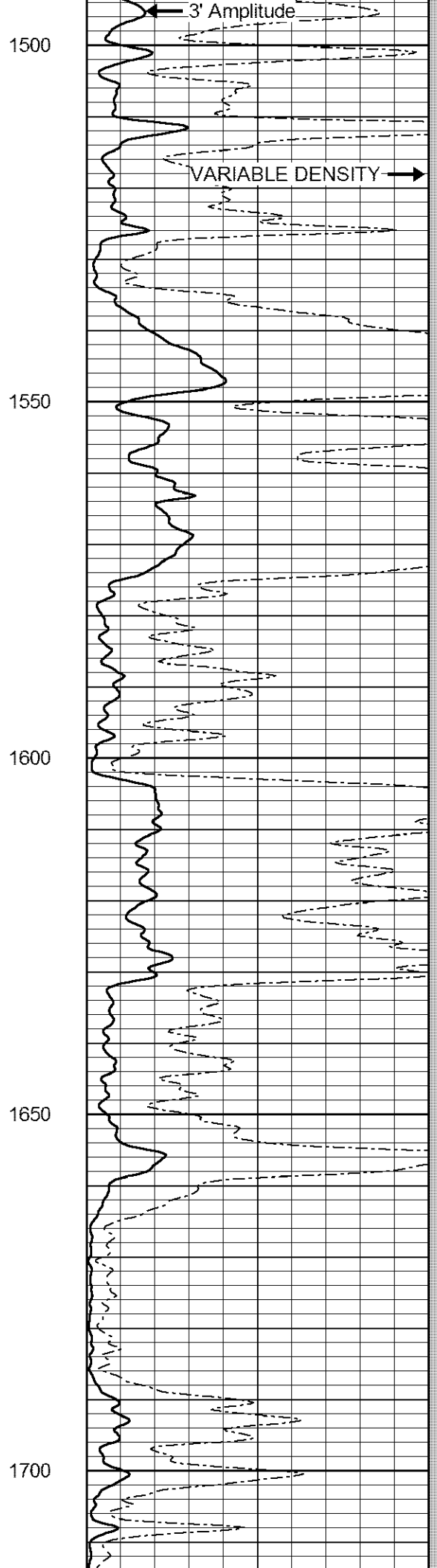
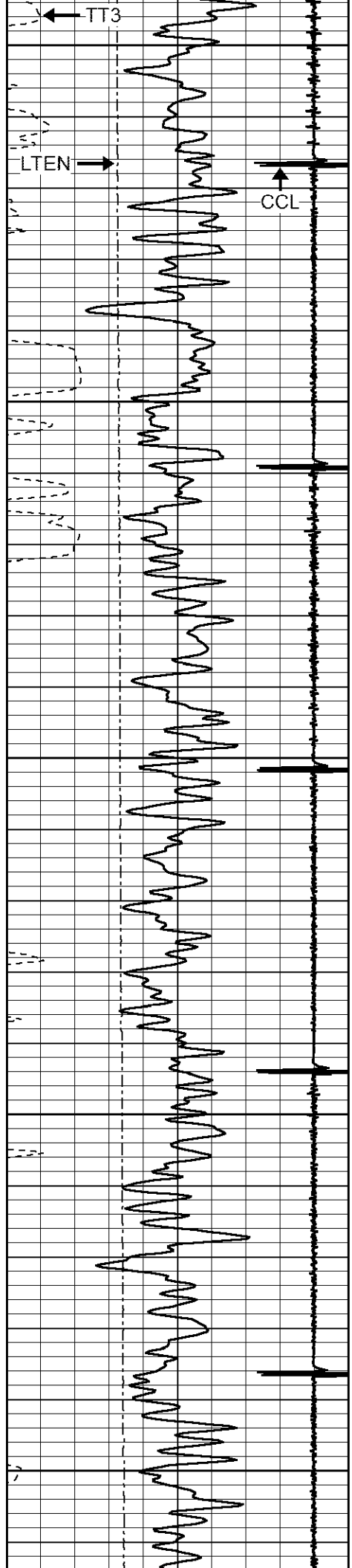
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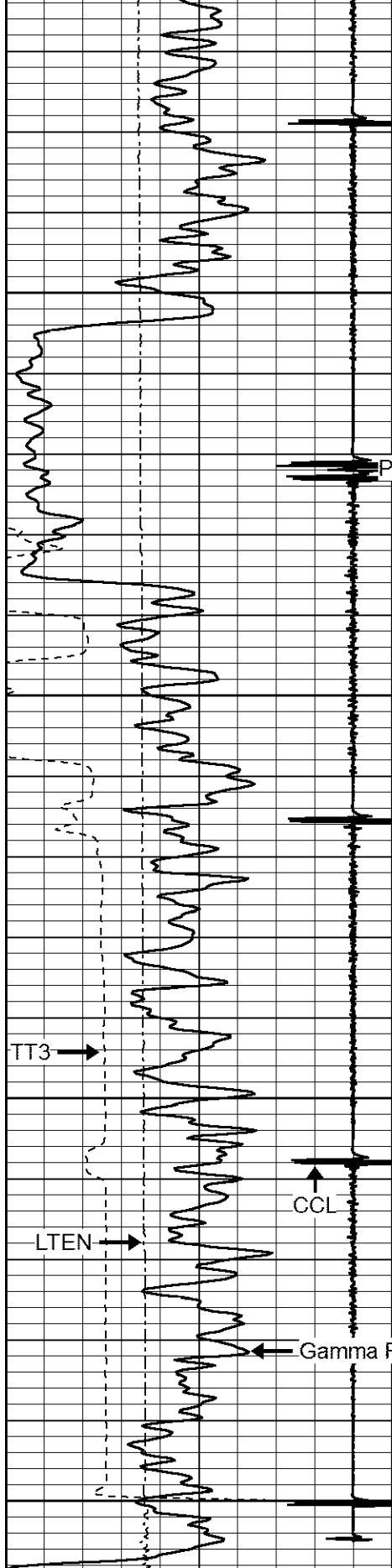
Gamma Ray



X5 Amplitude







1750

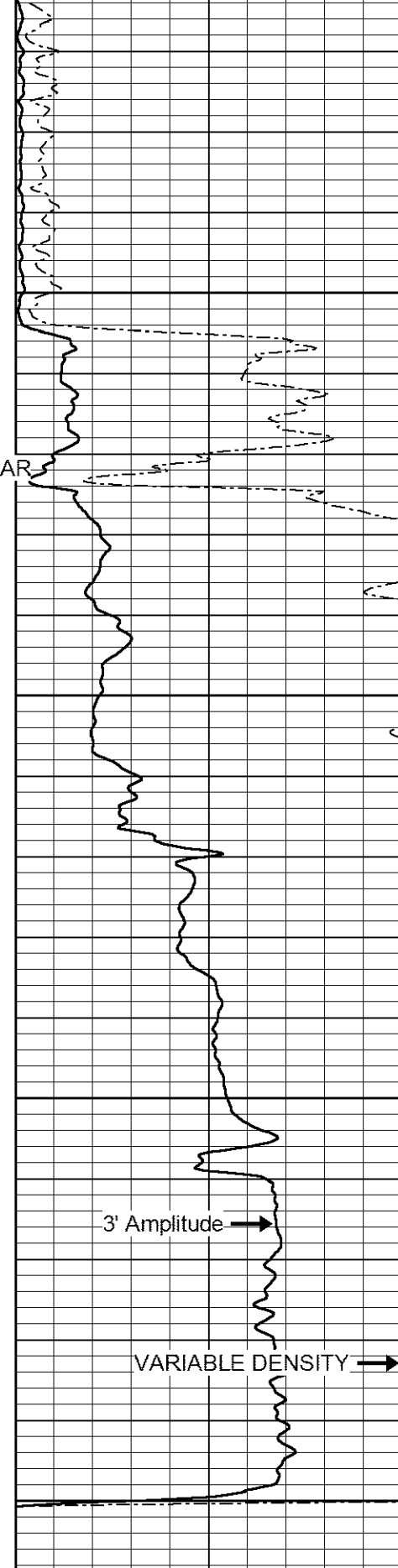
PORT COLLAR

1800

1850

1900

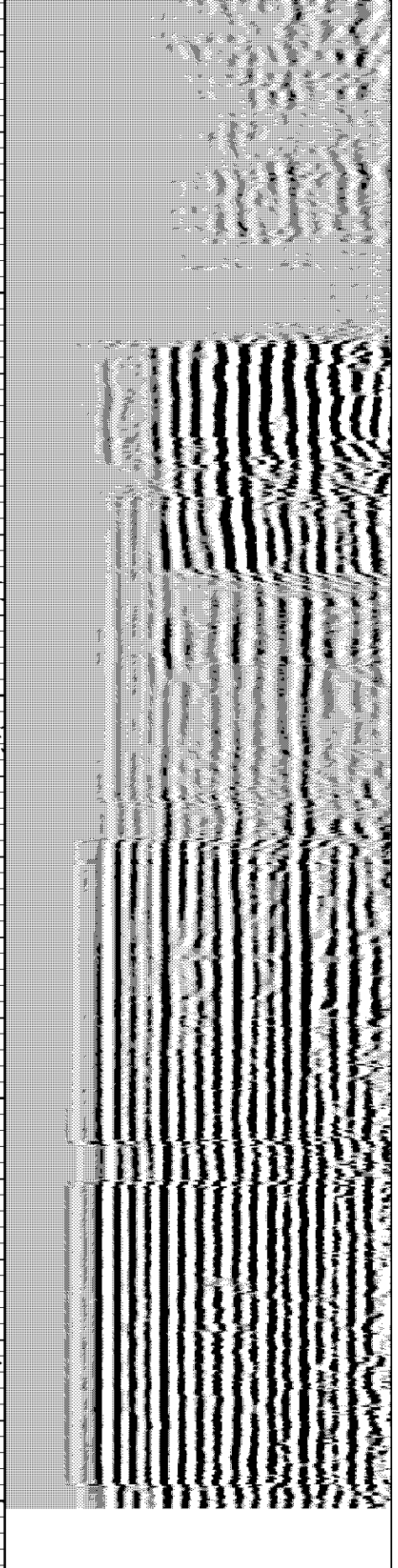
9	Collar Locator	-1
0	Gamma Ray (GAPI)	150
320	TT3 (usec)	120
0	LTEN (lb)	1500



3' Amplitude

VARIABLE DENSITY

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



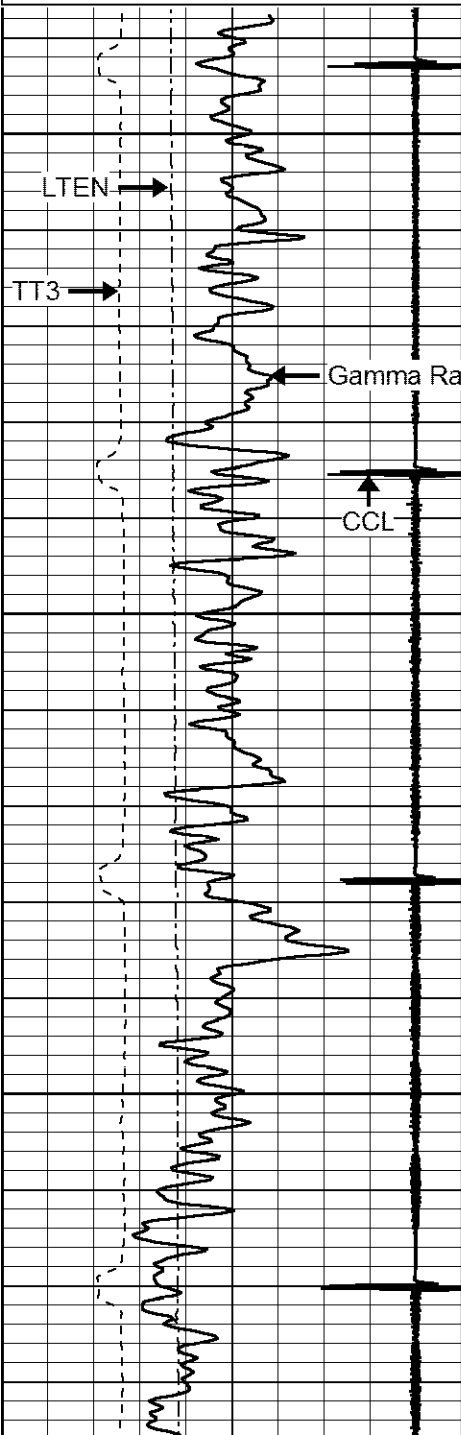
200	VARIABLE DENSITY	1200
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# MAIN PASS

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Dataset Pathname: pass3  
Presentation Format: cbl02  
Dataset Creation: Thu Mar 20 11:47:14 2014 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)	1500

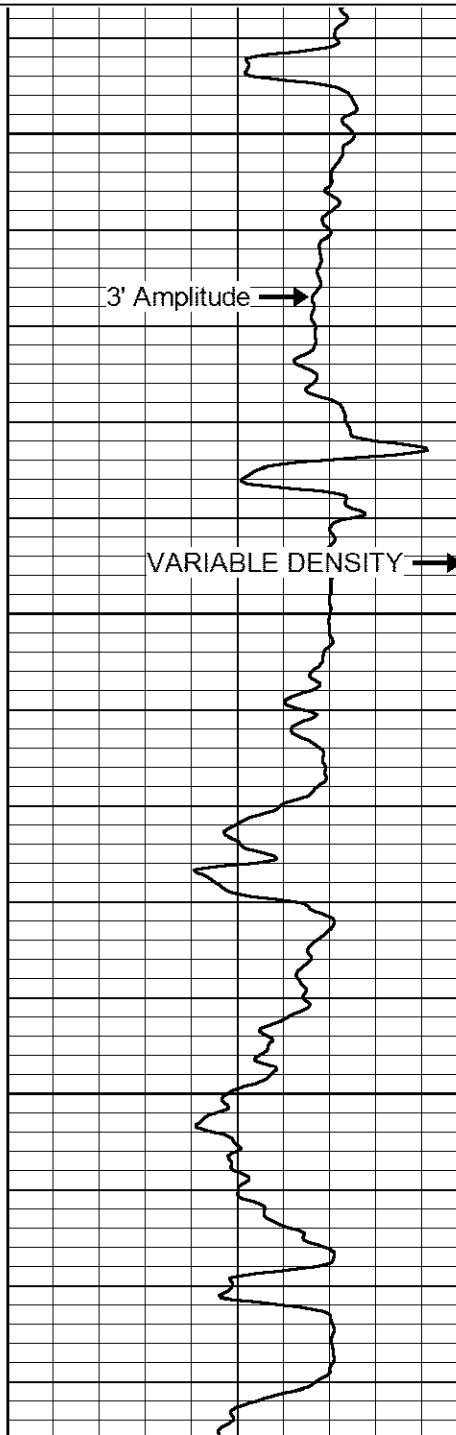
0	Amplitude (mV)	100	200	VARIABLE DENSITY	1200
0	X5 Amplitude (mV)	20			



1950

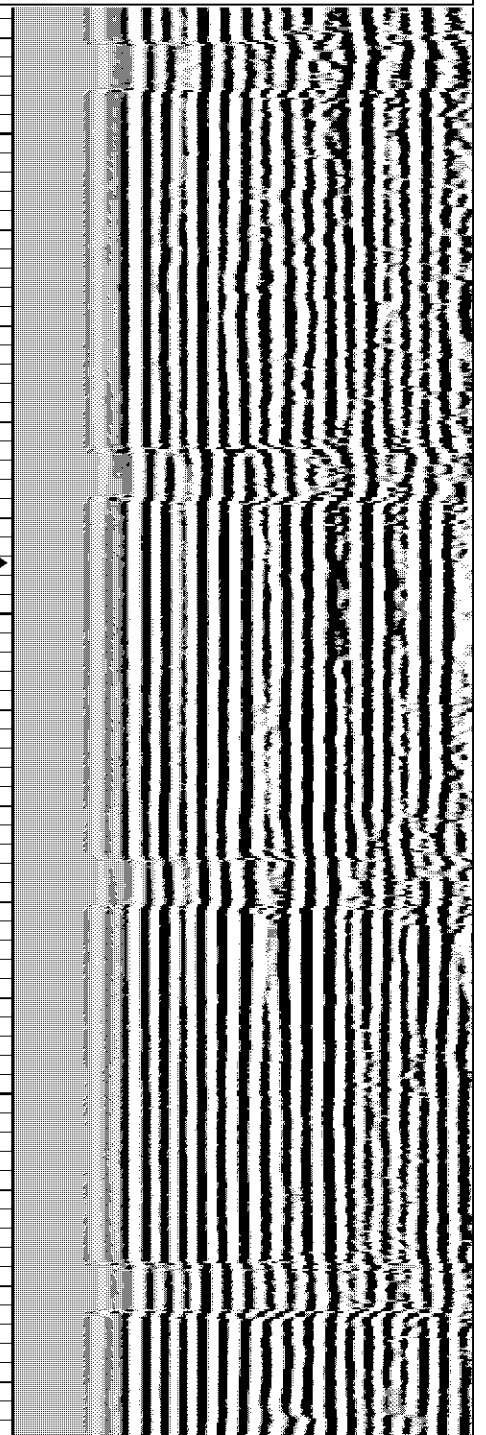
2000

2050

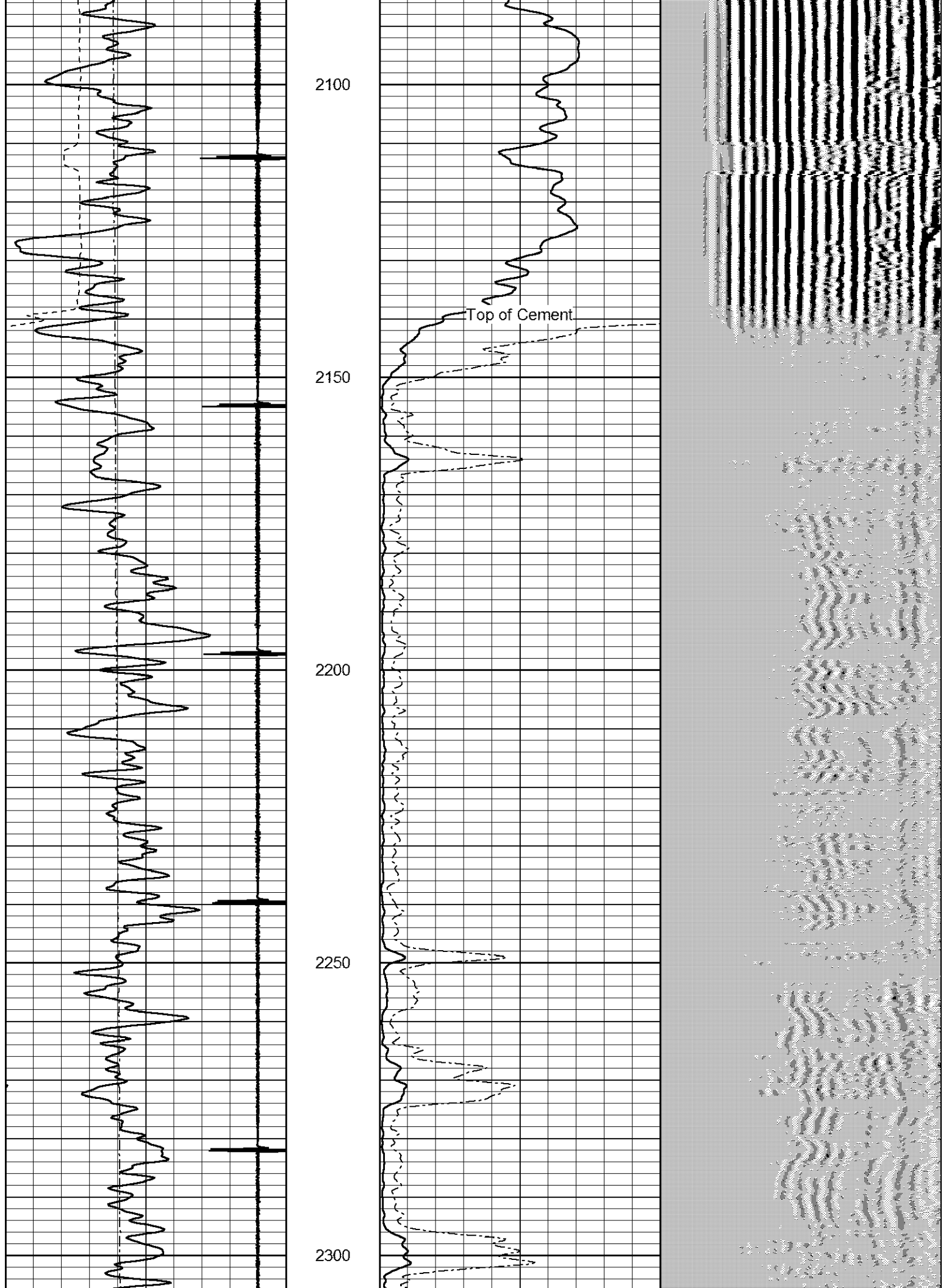


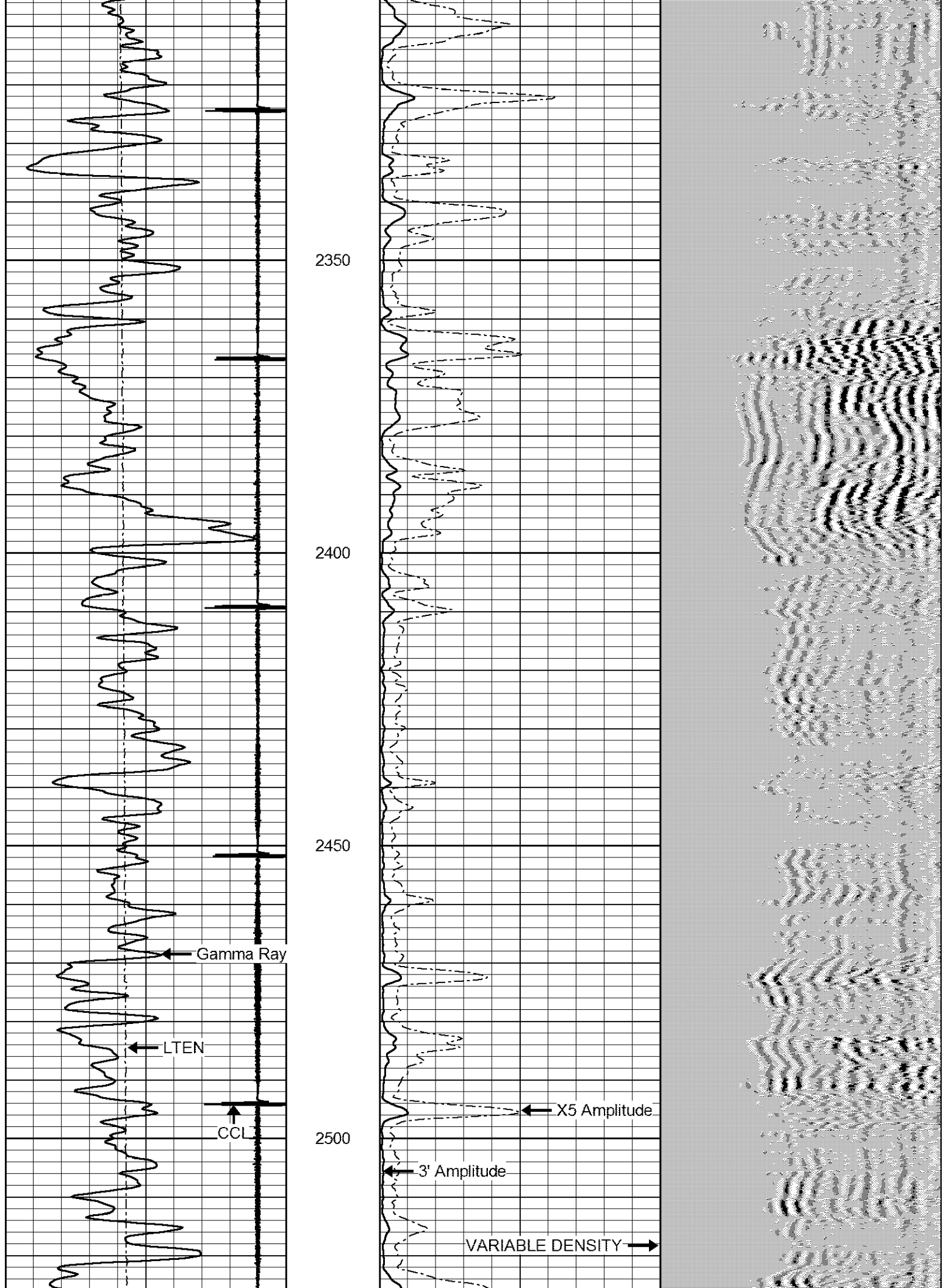
3' Amplitude

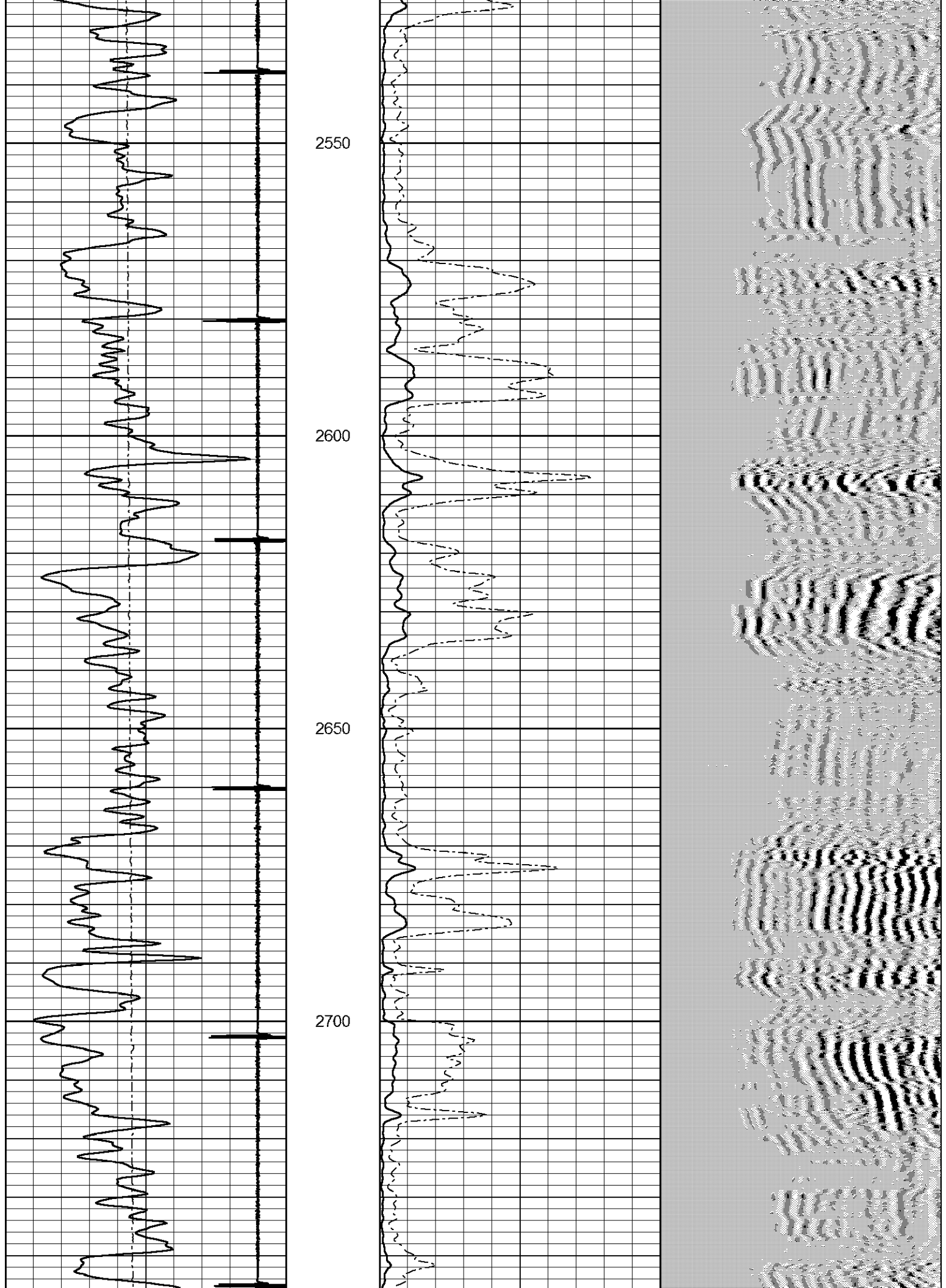
VARIABLE DENSITY

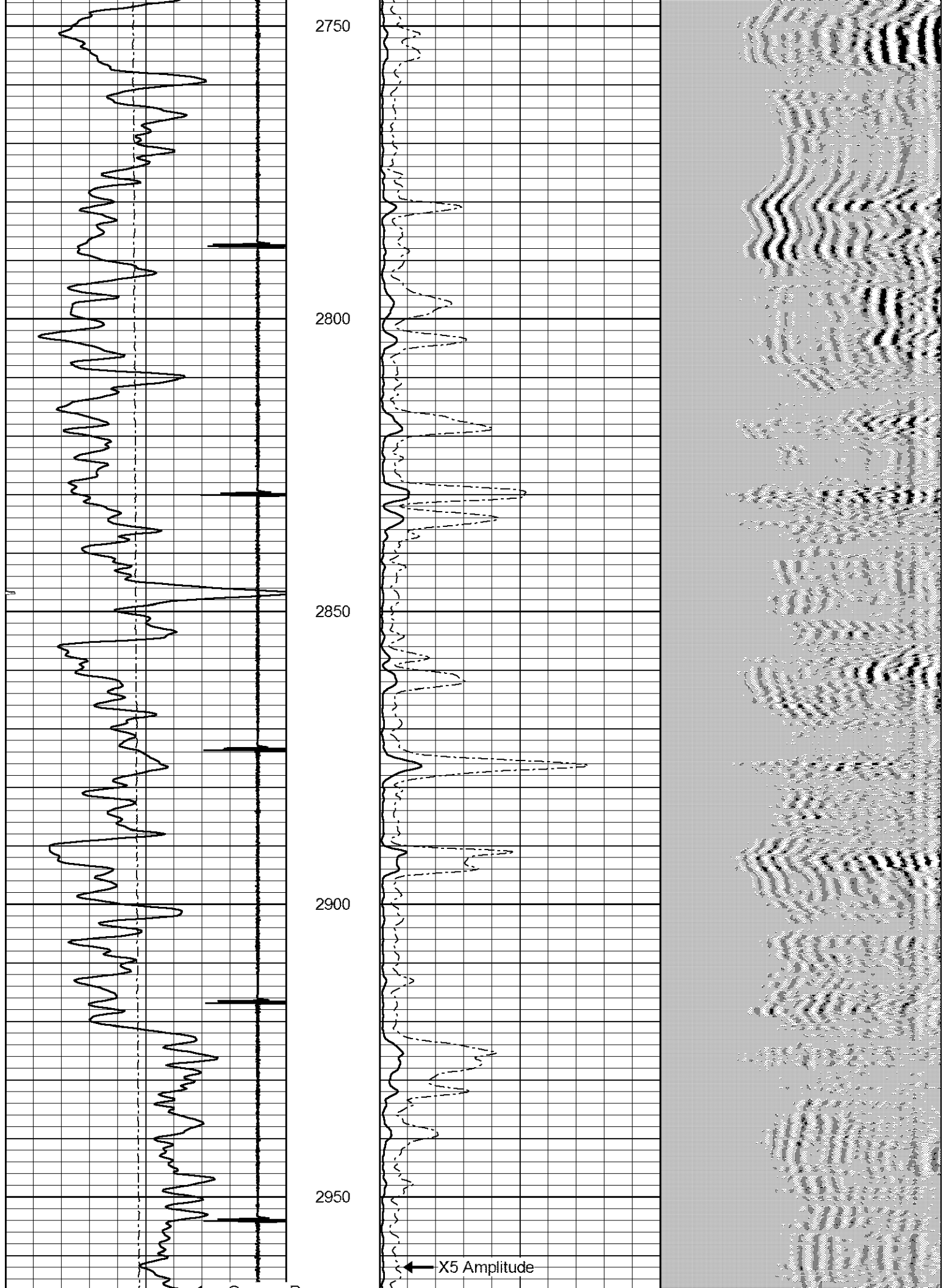


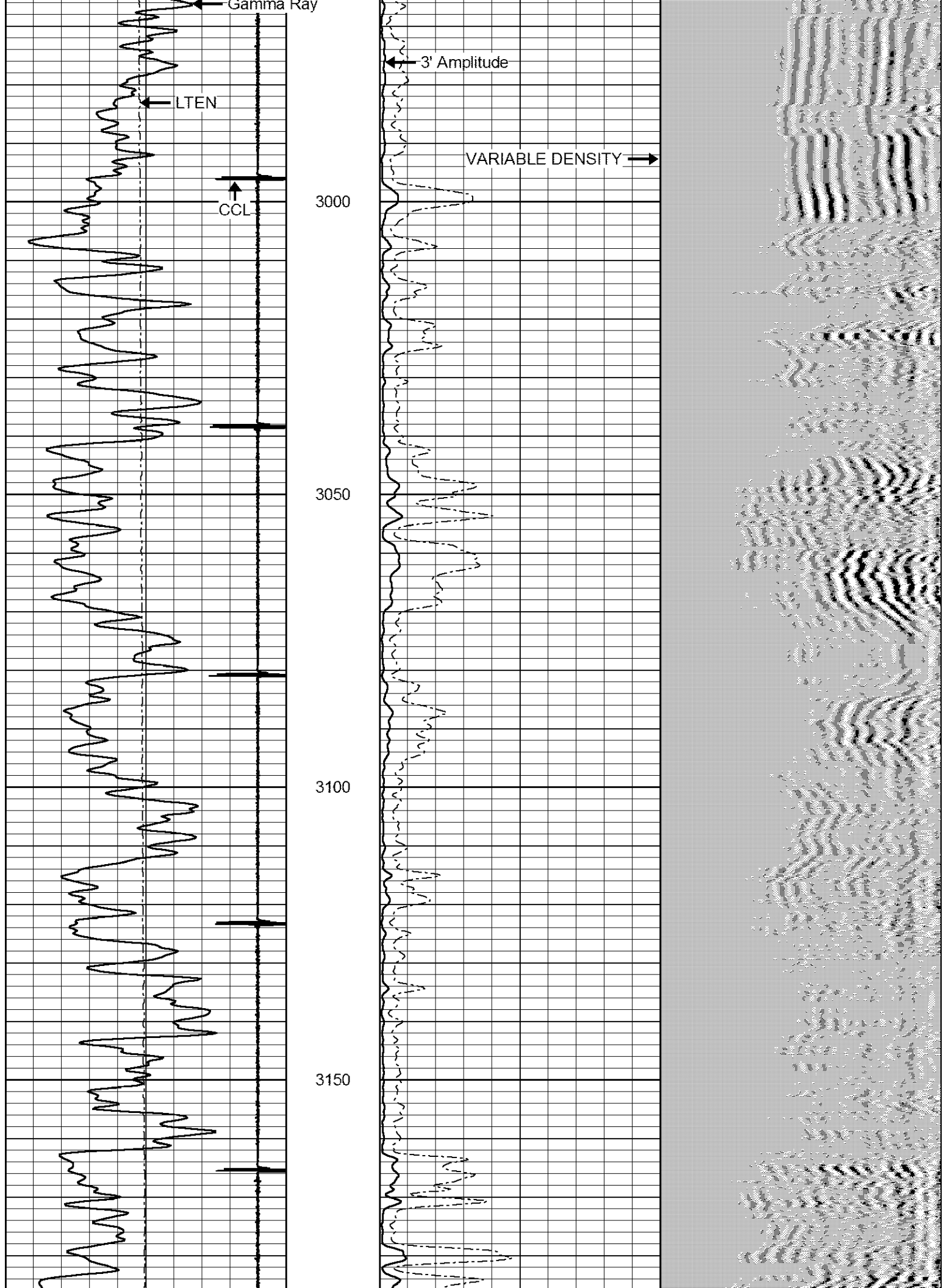


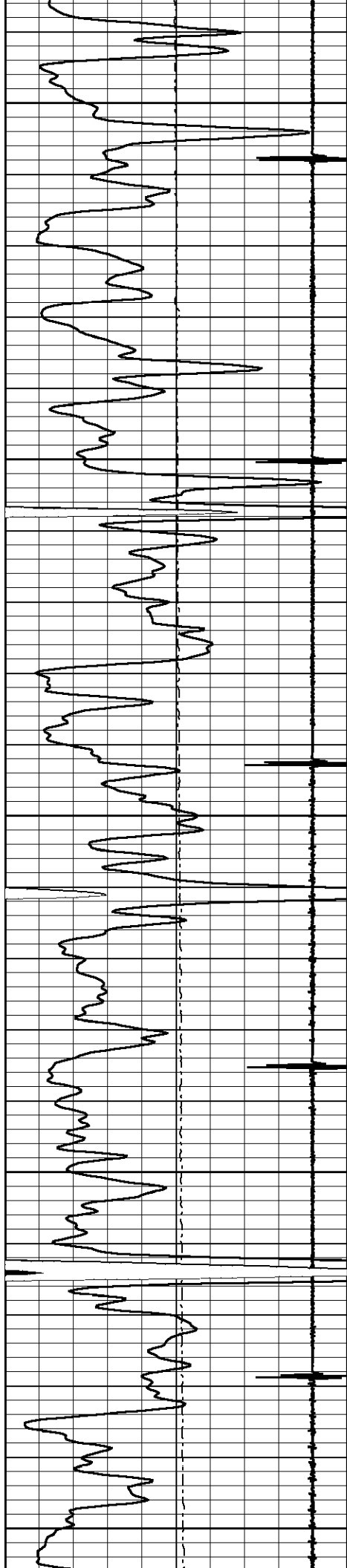












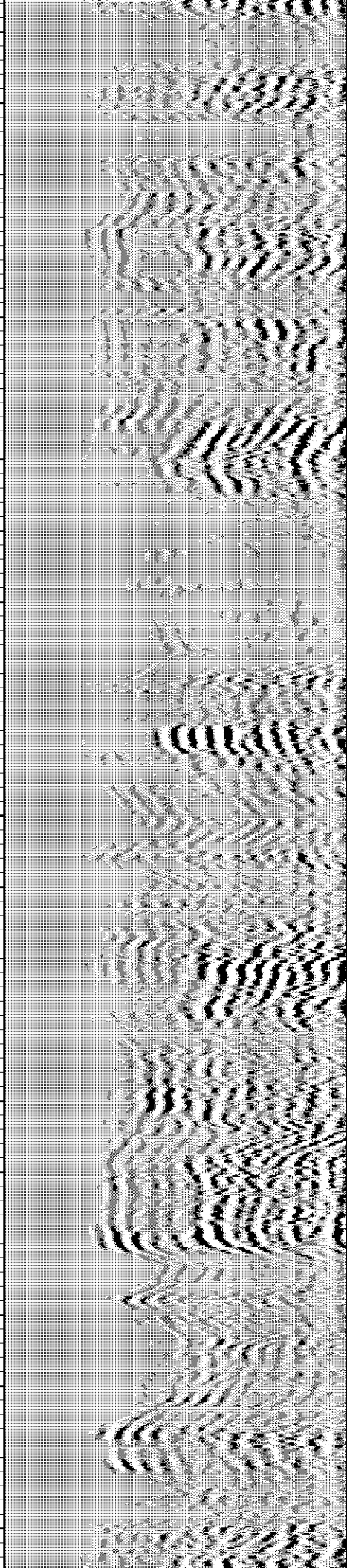
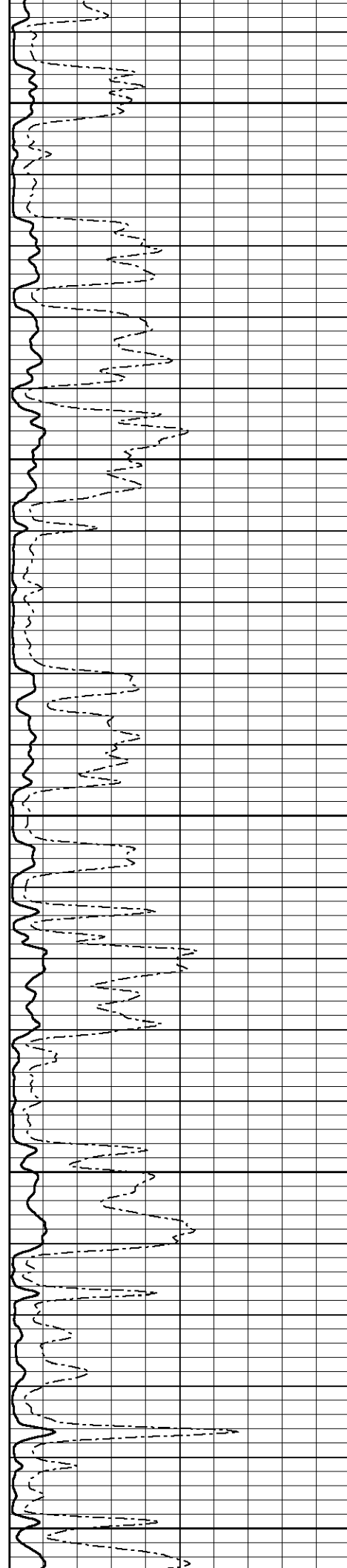
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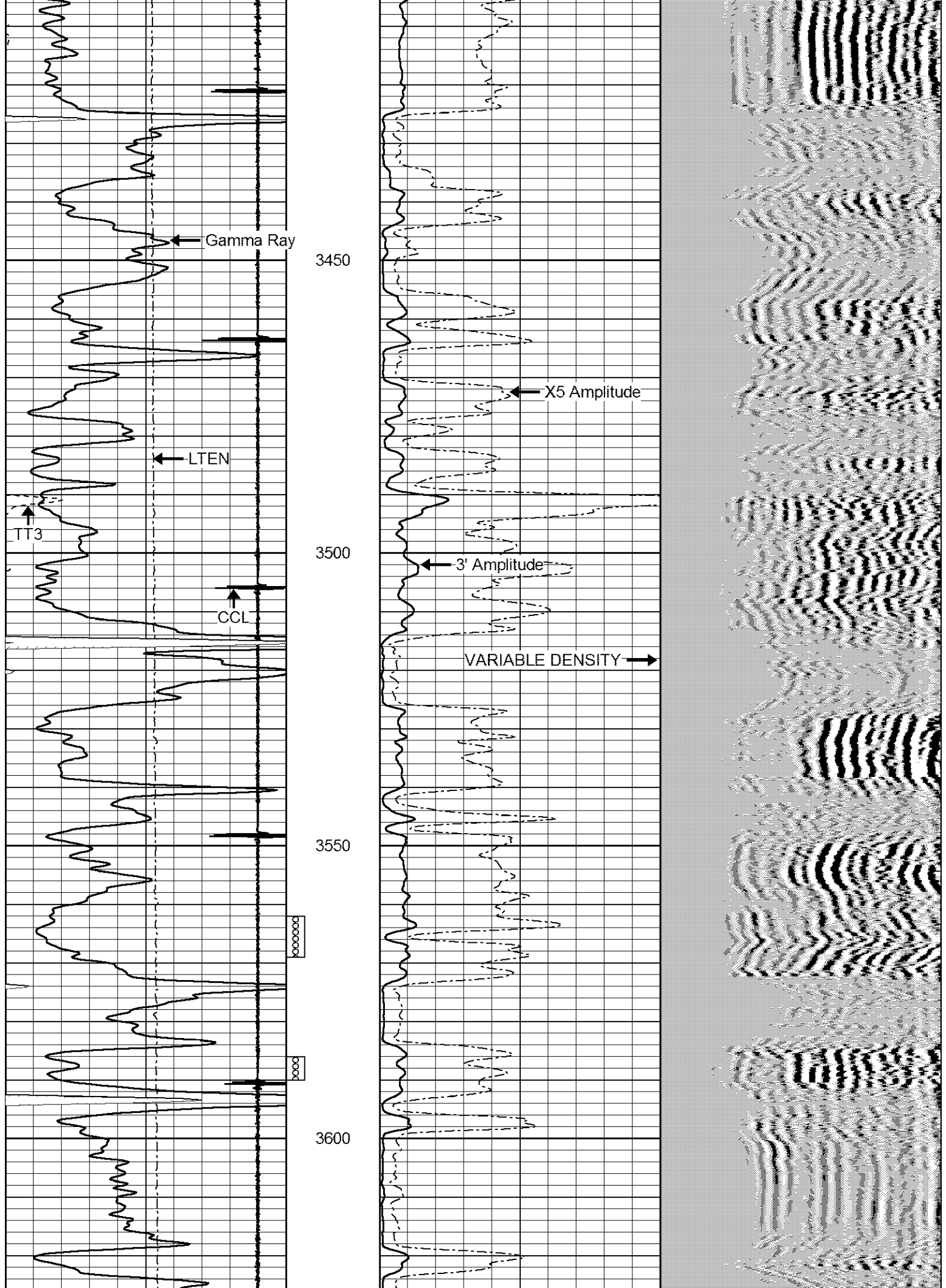
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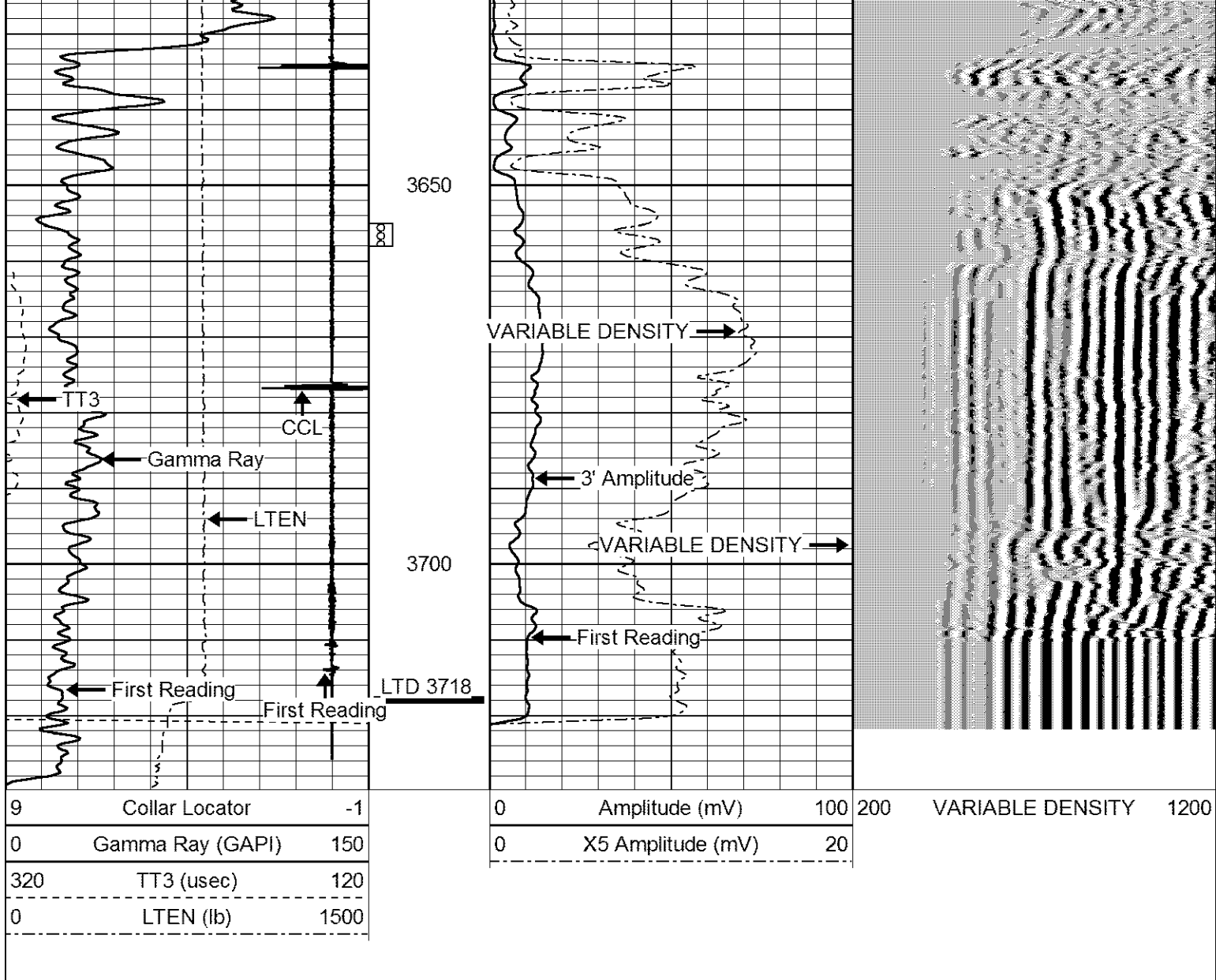
3300

3350

3400



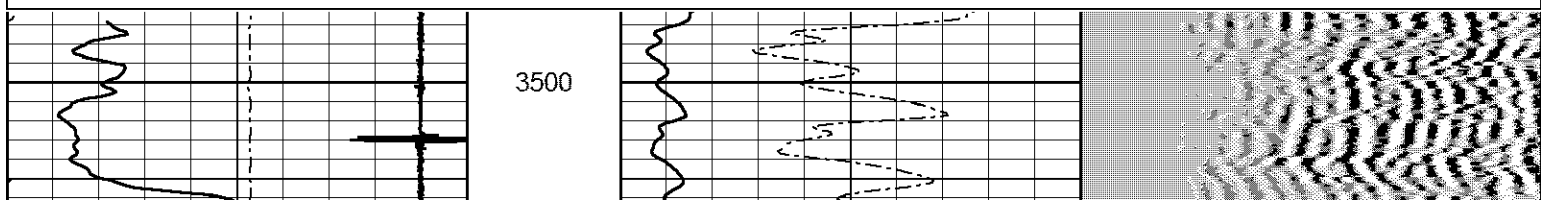
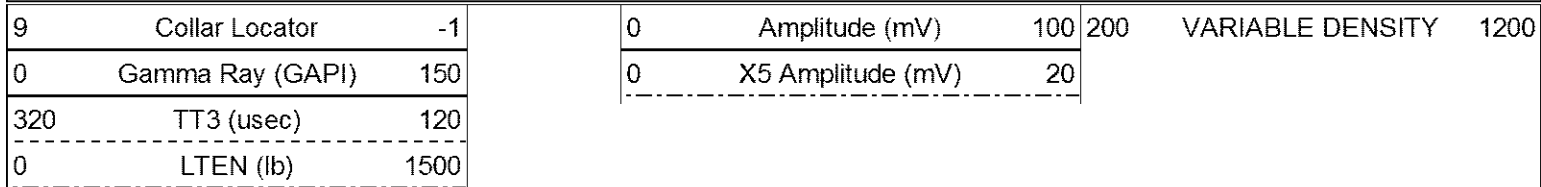




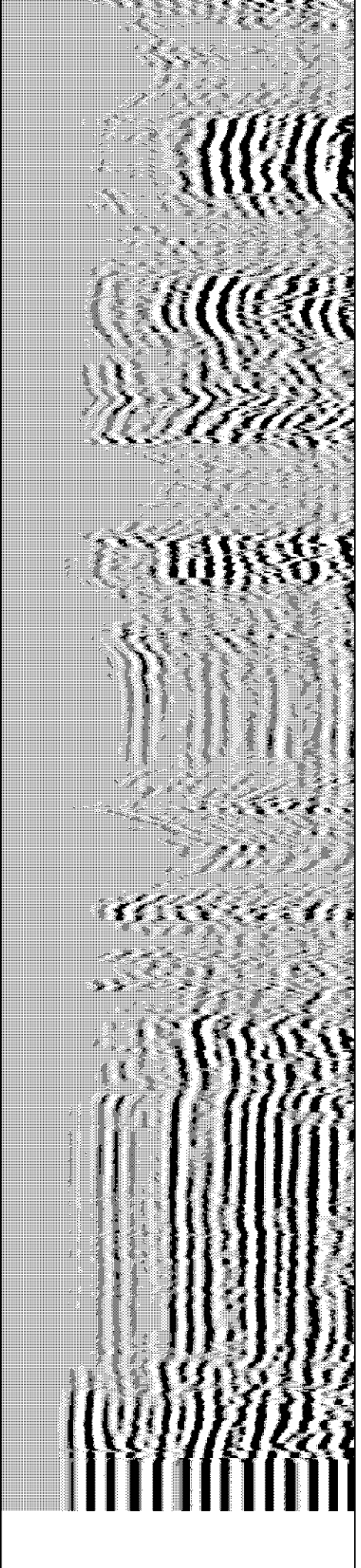
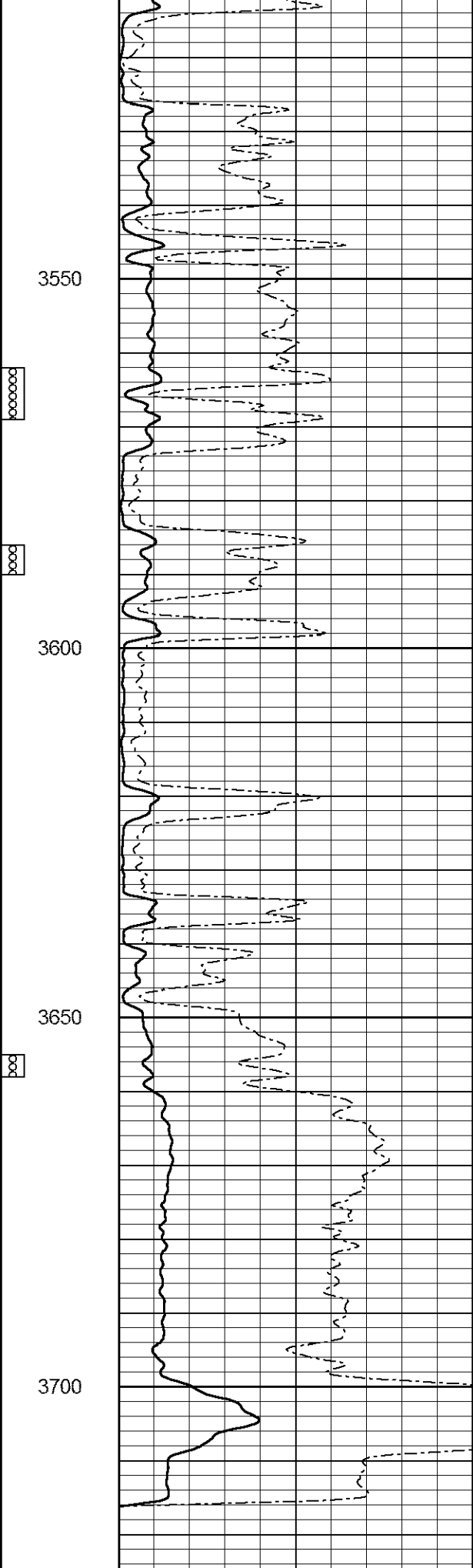
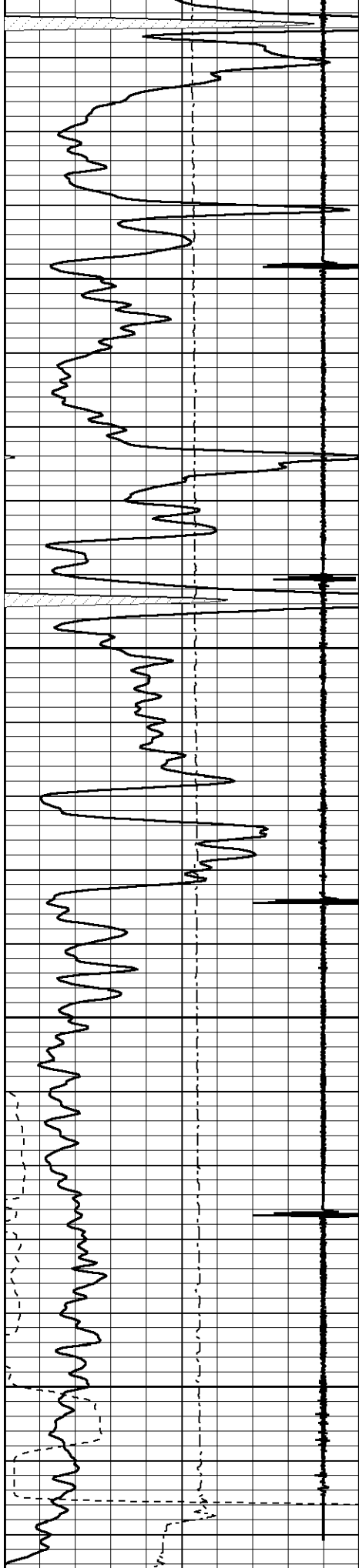
**LOG-TECH**  
*of Kansas*  
*Inc.*  
 GREAT BEND, KANSAS

# REPEAT SECTION

Database File: vose2.db  
 Dataset Pathname: pass2  
 Presentation Format: cbl02  
 Dataset Creation: Thu Mar 20 11:37:28 2014 by Log 7.0 B1  
 Charted by: Depth in Feet scaled 1:240





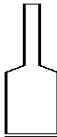
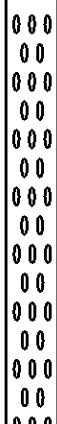
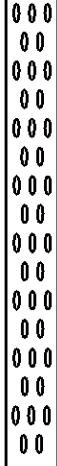




9 Collar Locator -1  
0 Gamma Ray (GAPI) 150

0 Amplitude (mV) 100 200  
0 X5 Amplitude (mV) 20

0 VARIABLE DENSITY 1200

320	TT3 (usec)	120
0	LTEN (lb)	1500

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 (cclpr) probe ccl	1.55	2.75	30.00
GR	0.90		GR-probegr (progr1) probe gamma ray	3.02	2.75	20.00

		Dataset:		vose2.db: field/well/run1/pass4					
		Total Length:		14.32 ft					
		Total Weight:		152.00 lb					
		O.D.		2.75 in					



**QUALITY OILWELL CEMENTING, INC.**  
 PO Box 32 - 740 West Wichita Ave, Russell KS 67665  
 Phone: 785-324-1041 fax: 785-483-1087  
 Email: cementing@ruraltel.net

Date: 3/4/2014  
 Invoice # 7738

P.O.#:  
 Due Date: 4/3/2014  
 Division: Russell

# Invoice

**Contact:**  
 Carmen Schmitt Inc  
**Address/Job Location:**  
 Carmen Schmitt Inc  
 P.O. Box 47  
 Great Bend Ks 67530

**Reference:**  
 VOSE 2

**Description of Work:**  
 SURFACE JOB

Services / Items Included:	Quantity	Price	Taxable	Item	Quantity	Price	Taxable
Labor		\$ 1,020.55	No				
Common-Class A	170	\$ 2,850.00	Yes				
Pump Truck Mileage-Job to Nearest Camp	60	\$ 669.25	No				
Bulk Truck Matl-Material Service Charge	179	\$ 400.12	No				
Calcium Chloride	6	\$ 373.25	Yes				
Bulk Truck Mileage-Job to Nearest Bulk Plant	60	\$ 391.62	No				
Premium Gel (Bentonite)	3	\$ 54.59	Yes				

**Invoice Terms:**

Net 30

SubTotal: \$ 5,759.37  
 Discount Available ONLY if Invoice is Paid & Received  
 within listed terms of invoice: \$ (863.91)

SubTotal for Taxable Items:	\$ 2,786.16
SubTotal for Non-Taxable Items:	\$ 2,109.30
<b>Total:</b>	<b>\$ 4,895.46</b>
Tax:	\$ 171.35

6.15% Rooks County Sales Tax

**Thank You For Your Business!**

**Amount Due: \$ 5,066.81**  
**Applied Payments:**  
**Balance Due: \$ 5,066.81**

Past Due Invoices are subject to a service charge (annual rate of 24%)  
 This does not include any applicable taxes unless it is listed.  
 ©2008-2013 Straker Investments, LLC. All rights reserved.

16994.0002

710/43

"Cement surface csg"

Wall fix

# QUALITY OILWELL CEMENTING, INC.

Federal Tax I.D.# 20-2886107

7738

Phone 785-483-2025

Home Office P.O. Box 32 Russell, KS 67665

No.

Cell 785-324-1041

Date	Sec.	Twp.	Range	County	State	On Location	Finish
9-4-14	34	6	20	ROCKS	KS		11:00 a.m.

Location *Daniel & Leonard 30 2E 3/4 N W1/4*

Lease *VOSF* Well No. *2* Owner

Contractor *M. J. Ford* To Quality Oilwell Cementing, Inc.

Type Job *Surface* You are hereby requested to rent cementing equipment and furnish cementer and helper to assist owner or contractor to do work as listed.

Hole Size *12 1/4* T.D. *208* Charge To *Carmen Schmitt*

Csg. *8 5/8* Depth Street

Tbg. Size Depth City State

Tool Depth The above was done to satisfaction and supervision of owner agent or contractor.

Cement Left in Csg. *15'* Shoe Joint Cement Amount Ordered *1700 m*

Meas Line Displace *12 1/2 BC*

**EQUIPMENT**

Pumptrk *18* No. Cementer *raig* Common *170*

Bulktrk No. Helper *raig* Poz. Mix

Bulktrk No. Driver *raig* Gel. *3*

Bulktrk *19* No. Driver *tonnie* Calcium *6*

**JOB SERVICES & REMARKS**

Remarks: Hulls

Rat Hole Salt

Mouse Hole Flowseal

Centralizers Kol-Seal

Baskets Mud CLR 48

D/V or Port Collar CFL-117 or CD110 CAF 38

*8 5/8 on bottom Est. Circulation* Sand

*M. X 1700 m & Displace* Handling *179*

*Cement + Circulation* Mileage

**FLOAT EQUIPMENT**

Guide Shoe

Centralizer

Baskets

AFU Inserts

Float Shoe

Latch Down

Pumptrk Charge *Surface*

Mileage *60*

Tax

Discount

Total Charge

X Signature

## GENERAL TERMS AND CONDITIONS

**DEFINITIONS:** In these terms and conditions, "Quality" shall mean Quality Oilwell Cementing, Inc., and "Customer" shall refer to the party identified by that term on the front of this contract. As applicable, "Job" relates to the services described on the front side of this contract, "merchandise" refers to the material described on the front of this contract and to any other materials, products, or supplies used, sold, or furnished under the requirements of this contract.

- **TERMS:** Unless satisfactory credit has been established, "CUSTOMER" must tender full cash payment to "QUALITY" before the job is undertaken or merchandise is delivered. If satisfactory credit has been established, the terms of payment for the job and/or merchandise, including bulk cement, are net cash, payable in 30 days from the completion of the job and/or delivery of the merchandise. For all past due invoices, "CUSTOMER" agrees to pay interest on amounts invoiced at a rate of 18 percent per annum until paid. Notwithstanding the foregoing in no event shall this Contract provide for interest exceeding the maximum rate of interest that "CUSTOMER" may agree to pay under applicable law. If any such interest should be provided for, it shall be and hereby is deemed to be a mistake, and this contract shall be automatically reformed to lower the rate of interest to the maximum legal contract rate, any amounts previously paid as excess interest shall be deducted from the amounts owing from the "CUSTOMER" or at the option of "QUALITY," refunded directly to "CUSTOMER." For purposes of this paragraph, QUALITY and CUSTOMER agree that KANSAS law shall apply. Any discounts granted with this contract are null and void if the charges are not paid when due.

- **ATTORNEY FEES:** In any legal action or proceeding between the parties to enforce any of the terms of this Service Contract, or in any way pertaining to the term of this Contract, the prevailing party shall be entitled to recover all expenses, including, but not limit to, a reasonable sum as and attorney's fees.

- **PRICES AND TAXES:** All merchandise listed in "QUALITY'S" current price schedule are F.O.B. QUALITY'S local station and are subject to change without notice. All prices are exclusive of any federal, state, local, or special taxes for the sale or use of the merchandise or services listed. The amount of taxes required to be paid by QUALITY shall be added to the quoted prices charged to CUSTOMER.

- **TOWING CHARGES:** QUALITY will make a reasonable attempt to get to and from each job site using its own equipment. Should QUALITY be unable to do so because of poor or inadequate road conditions, and should it become necessary to employ a tractor or other pulling equipment to get to or from the job site, the tractor or pulling equipment will be supplied by CUSTOMER or, if furnished by QUALITY, will be charged to, and paid by CUSTOMER.

- **PREPARATION CHARGES:** If a job and/or merchandise is ordered and CUSTOMER cancels the order after preparation of a chemical solution or other material, CUSTOMER will pay QUALITY for the expenses incurred by QUALITY as a result of the cancellation.

- **DEADHAUL CHARGES:** Unless otherwise specified on the front of this Contract, a deadhaul charges as set forth in QUALITY'S current price book will be charged each way for each service unit which is ordered by CUSTOMER but not used.

- **SERVICE CONDITIONS AND LIABILITIES:** 1. QUALITY carries public liability and property damage insurance, but since there are so many uncertain and unknown conditions beyond QUALITY'S control, QUALITY shall not be liable for injuries to property or persons or for loss or damage arising from the performance of the job or delivery of the merchandise. Customer shall be responsible for and indemnify, defend, and hold harmless QUALITY, its officers, agents and employees, from and against any and all claims or suits for:

(A) Damage to property or for bodily injury, sickness, disease, or death, brought by any person, including CUSTOMER and/or the well owner; and:

(B) Oil spills, pollution, surface or sub-surface damage, injury to the well, reservoir loss, or damage arising from a well blowout arising out of or in connection with QUALITY'S performance of the job or furnishing of merchandise in accordance with this contract, unless such loss or damage is caused by the willful misconduct or gross negligence of QUALITY or its employees.

2. With respect to any of QUALITY'S tools, equipment, or instruments which are lost in the well or damaged when performing or attempting to perform the job or, in the case of marine operations, are lost or damaged at any time after delivery to the landing for CUSTOMER and before return to QUALITY at the landing, CUSTOMER shall either recover the lost item without cost to QUALITY or reimburse QUALITY the current replacement cost of the item unless the loss or damage results from the sole negligence of QUALITY or its employees.

3. QUALITY does not assume any liability or responsibility for damages or conditions resulting from chemical action in cements caused by contamination of water or other fluids.

**WARRANTIES:** 1. QUALITY warrants all merchandise manufactured or furnished by it to be free from defects in material and workmanship under normal use and service when installed, and used, and/or serviced in the manner provided and intended. QUALITY'S obligation under this warranty is expressly limited to repair replacement, or allowance for credit, at its option, for any merchandise which is determined by QUALITY to be defective. THIS IS THE SOLE WARRANTY OF QUALITY AND NO OTHER WARRANTY IS APPLICABLE, EITHER EXPRESS OR OTHERWISE IMPLIED, IN FACT OR IN LAW, INCLUDING ANY WARRANTY AS TO MERCHANTABILITY OR FITNESS FOR A PARTICULAR USE OR PURPOSE, CUSTOMER'S sole and only remedy with regard to any defective merchandise shall be the repair or replacement thereof or allowance for credit as herein provided, and QUALITY shall not be liable for any consequential, special, incidental, or punitive damages resulting from or caused by defective materials, products or supplies.

2. More specifically:

(A) Nothing in this contract shall be construed as a warranty by QUALITY of the success or the effectiveness of the result of any work done or merchandise used, sold, or furnished under this contract.

(B) Nothing in this contract shall be construed as a warranty of the accuracy or correctness of any facts, information, or data furnished by QUALITY or any interpretation of test, meter readings, chart information, analysis or research, or recommendations made by QUALITY, unless the inaccuracy or incorrectness is caused by the willful misconduct or gross negligence of QUALITY or its employees in the preparation or furnishing of such facts, information or data. (C) Work done by QUALITY shall be under the direct supervision and control of the CUSTOMER or his agent and QUALITY will accomplish the job as an independent contractor and not as an employee or agent of the CUSTOMER.



P. O. Box 466  
 Ness City, KS 67560  
 Off: 785-798-2300



# Invoice

DATE	INVOICE #
3/12/2014	25348

BILL TO
Carmen Schmitt, Inc. P. O. Box 47 915 Harrison Great Bend, KS 67530-0047

- Acidizing
- Cement
- Tool Rental

TERMS	Well No.	Lease	County	Contractor	Well Type	Well Category	Job Purpose	Operator
Net 30	#2	Voss	Rooks	Mallard JV	Oil	Development	LongString	Nick
PRICE REF.	DESCRIPTION				QTY	UM	UNIT PRICE	AMOUNT
575D	Mileage - 1 Way				70	Miles	6.00	420.00
578D-L	Pump Charge - Long String - 3750 Feet				1	Job	1,500.00	1,500.00
221	Liquid KCL (Clayfix)				2	Gallon(s)	25.00	50.00T
281	Mud Flush				500	Gallon(s)	1.25	625.00T
290	D-Air				2	Gallon(s)	42.00	84.00T
402-5	5 1/2" Centralizer				10	Each	70.00	700.00T
403-5	5 1/2" Cement Basket				2	Each	300.00	600.00T
404-5	5 1/2" Port Collar				1	Each	2,900.00	2,900.00T
406-5	5 1/2" Latch Down Plug & Baffle				1	Each	275.00	275.00T
407-5	5 1/2" Insert Float Shoe With Auto Fill				1	Each	375.00	375.00T
419-5	5 1/2" Rotating Head Rental				1	Each	200.00	200.00T
325	Standard Cement				200	Sacks	14.50	2,900.00T
276	Flocele				50	Lb(s)	2.50	125.00T
283	Salt				1,000	Lb(s)	0.20	200.00T
284	Calseal				9	Sack(s)	35.00	315.00T
292	Halad 322				100	Lb(s)	8.00	800.00T
581D	Service Charge Cement				200	Sacks	2.00	400.00
583D	Drayage				730	Ton Miles	1.00	730.00
Subtotal								13,199.00
Sales Tax Rooks County							6.15%	624.16
								16994.6002
								720/43
								Will File

**We Appreciate Your Business!**

**Total** \$13,823.16



CHARGE TO: Carmen Schmitt Inc.  
 ADDRESS: \_\_\_\_\_  
 CITY, STATE, ZIP CODE: \_\_\_\_\_

TICKET 25348

PAGE 1 OF 2

1. <u>Hays, Ks.</u>	WELL/PROJECT NO. # <u>2</u>	LEASE <u>Noss</u>	COUNTY/PARISH <u>Books</u>	STATE <u>Ks</u>	CITY	DATE <u>3-12-14</u>	OWNER <u>Sa-m-c</u>
2. <u>Ness City, Ks.</u>	TICKET TYPE <input checked="" type="checkbox"/> SERVICE <input type="checkbox"/> SALES	CONTRACTOR <u>Mallard Drlg</u>	RIG NAME/NO.	SHIPPED VIA <u>CT</u>	DELIVERED TO <u>Location</u>	ORDER NO.	
3.	WELL TYPE <u>oil</u>	WELL CATEGORY <u>Development</u>	JOB PURPOSE <u>Longstring</u>	WELL PERMIT NO.	WELL LOCATION		
4. REFERRAL LOCATION	INVOICE INSTRUCTIONS						

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING		DESCRIPTION	QTY.		U/M		UNIT PRICE	AMOUNT
		LOC	ACCT		DF					
575		1			70		mi		6.00	420.00
578		1		MILEAGE #111	1	ea	3750'		1500.00	1500.00
221		1		KCL	2	gal			25.00	50.00
281		1		Mud Flush	500	gal			1.25	625.00
290		1		D-Air	2	gal			42.00	84.00
402		1		Centralizers	10	ea	5-1/2"		70.00	700.00
403		1		Baskets	2	ea			300.00	600.00
404		1		Port Callor	1	ea			2900.00	2900.00
406		1		LD Plug + Baffle	1	ea			275.00	275.00
407		1		Insert Float Shoe w/ fill	1	ea			375.00	375.00
419		1		Rotating Head	1	ea			200.00	200.00

**LEGAL TERMS:** Customer hereby acknowledges and agrees to the terms and conditions on the reverse side hereof which include, but are not limited to, **PAYMENT, RELEASE, INDEMNITY, and LIMITED WARRANTY** provisions.

MUST BE SIGNED BY CUSTOMER OR CUSTOMER'S AGENT PRIOR TO START OF WORK OR DELIVERY OF GOODS

X  
 DATE SIGNED 3-12-14 TIME SIGNED 2:30  A.M.  P.M.

REMIT PAYMENT TO:  
  
 SWIFT SERVICES, INC.  
 P.O. BOX 466  
 NESS CITY, KS 67560  
 785-798-2300

SURVEY	AGREE	UN-DECIDED	DIS-AGREE		
OUR EQUIPMENT PERFORMED WITHOUT BREAKDOWN?				PAGE TOTAL 1	7729.00
WE UNDERSTOOD AND MET YOUR NEEDS?				page 2	5470.00
OUR SERVICE WAS PERFORMED WITHOUT DELAY?				Subtotal	13199.00
WE OPERATED THE EQUIPMENT AND PERFORMED JOB CALCULATIONS SATISFACTORILY?				Books TAX 6.15%	624.16
ARE YOU SATISFIED WITH OUR SERVICE?	<input type="checkbox"/> YES	<input type="checkbox"/> NO		TOTAL	13,823.16
<input type="checkbox"/> CUSTOMER DID NOT WISH TO RESPOND					

CUSTOMER ACCEPTANCE OF MATERIALS AND SERVICES The customer hereby acknowledges receipt of the materials and services listed on this ticket.

SWIFT OPERATOR [Signature] APPROVAL [Signature] Thank You!





PO Box 466  
Ness City, KS 67560  
Off: 785-798-2300

TICKET CONTINUATION

TICKET No. 25348

CUSTOMER *Carmen Schmitt* WELL # *7 Voss* DATE *3-12-14* PAGE *2* OF *2*

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING			TIME	DESCRIPTION	QTY.		U/M		UNIT PRICE	AMOUNT
		LOC	ACCT	DF								
<i>325</i>		<i>2</i>				<i>Standard Cement</i>	<i>200</i>	<i>sk</i>			<i>14.50</i>	<i>2900.00</i>
<i>276</i>		<i>2</i>				<i>Flocc</i>	<i>50</i>	<i>#</i>	<i>1/4</i>	<i>#/sk</i>	<i>2.50</i>	<i>125.00</i>
<i>283</i>		<i>2</i>				<i>Salt</i>	<i>1000</i>	<i>#</i>	<i>10</i>	<i>%</i>	<i>20</i>	<i>200.00</i>
<i>284</i>		<i>2</i>				<i>Calseg</i>	<i>9</i>	<i>sk</i>	<i>5</i>	<i>%</i>	<i>35.00</i>	<i>315.00</i>
<i>292</i>		<i>2</i>				<i>Halod-322</i>	<i>100</i>	<i>#</i>	<i>1/2</i>	<i>%</i>	<i>8.00</i>	<i>800.00</i>
<i>581</i>		<i>2</i>				SERVICE CHARGE	<i>200</i>	<i>sk</i>			<i>2.00</i>	<i>400.00</i>
<i>583</i>		<i>2</i>				MILEAGE CHARGE	<i>20850</i>		<i>70</i>		<i>1.00</i>	<i>730.00</i>

CONTINUATION TOTAL *5470.00*

JOB LOG

SWIFT Services, Inc.

DATE 3-12-14 PAGE NO.

CUSTOMER *Carmen Schmitt Inc* WELL NO. # *2* LEASE *Voss* JOB TYPE *longstring* TICKET NO. *25348*

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
	1910							on loc w/FE
								RTD 3750' LTD 3747' 5 1/2" x 14" x 3742' x 22' Cent 3,4,5,6,7,10,46,56,58,60 Bask #, 47 Port Collar 47' @ 1777'
	1920							start FE
	2100							Break Circ
	2200	2.5	7.5					Plug RH+MH 30/15 sks EA-2
	2210	5	0				200	start 50 gal Mud flush
	2212	5	12/0				200	start KCL flush 20 bbl
	2216	4	20/0				200	start 155 sks EA-2
	2226		37					End Cement Wash P&L Drop LD Plug
	2236	6	0				200	start Displacement
	2246	1.5	64				250	Catch Cement
	2305		91				700/1400	Land Plug Release Pressure Float Held
								Thank you Nick, Dave K. & Isaac



P. O. Box 466  
 Ness City, KS 67560  
 Off: 785-798-2300



# Invoice

DATE	INVOICE #
3/18/2014	25430

BILL TO
Carmen Schmitt, Inc. P. O. Box 47 915 Harrison Great Bend, KS 67530-0047

- Acidizing
- Cement
- Tool Rental

TERMS	Well No.	Lease	County	Contractor	Well Type	Well Category	Job Purpose	Operator
Net 30	#2	Voss	Rooks		Oil	Development	5-1/2" Port Collar	Josh

PRICE REF.	DESCRIPTION	QTY	UM	UNIT PRICE	AMOUNT
575D	Mileage - 1 Way	70	Miles	6.00	420.00
576D-D	Pump Charge - Port Collar	1	Job	1,500.00	1,500.00
290	D-Air	2	Gallon(s)	42.00	84.00T
105	Port Collar Tool Rental With Man	1	Each	350.00	350.00T
330	Swift Multi-Density Standard (MIDCON II)	225	Sacks	18.50	4,162.50T
276	Flocele	50	Lb(s)	2.50	125.00T
581D	Service Charge Cement	225	Sacks	2.00	450.00
583D	Drayage	786	Ton Miles	1.00	786.00
	Subtotal				7,877.50
	Sales Tax Rooks County			6.15%	290.37
	12994.0602 700/43 "Cement port collar" well file				

<b>We Appreciate Your Business!</b>	<b>Total</b>	\$8,167.87
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CHARGE TO: *Carmen Schmitt*  
 ADDRESS:  
 CITY, STATE, ZIP CODE:

TICKET 25430

PAGE 1 OF 1

SERVICE LOCATIONS  
 1. *Hays ks* WELL/PROJECT NO. *2* LEASE *Vose* COUNTY/PARISH *Boone* STATE *KS* CITY: DATE: *3-18-14* OWNER:  
 2. *Ness City ks* TICKET TYPE  SERVICE  SALES CONTRACTOR RIG NAME/NO. SHIPPED VIA *Location* DELIVERED TO *Location* ORDER NO.  
 3. WELL TYPE WELL CATEGORY *Development* JOB PURPOSE *5 1/2 Port Collar* WELL PERMIT NO. WELL LOCATION *Webster Dam Sw. Sec. 1 w. 1/4*  
 4. REFERRAL LOCATION INVOICE INSTRUCTIONS

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING			DESCRIPTION	QTY.		U/M		UNIT PRICE	AMOUNT
		LOC	ACCT	DF							
<i>575</i>		<i>1</i>			<i>MILEAGE #112</i>	<i>70</i>	<i>m</i>			<i>6.00</i>	<i>420.00</i>
<i>5760</i>		<i>1</i>			<i>Pump Charge Port Collar</i>	<i>1</i>	<i>ea</i>			<i>1500.00</i>	<i>1500.00</i>
<i>290</i>		<i>1</i>			<i>O-Air</i>	<i>2</i>	<i>gal</i>			<i>42.00</i>	<i>84.00</i>
<i>105</i>		<i>1</i>			<i>Port Collar Tool Rental w/man</i>	<i>1</i>	<i>ea</i>			<i>350.00</i>	<i>350.00</i>
<i>330</i>		<i>2</i>			<i>Swift Multi-Density</i>	<i>225</i>	<i>sls</i>			<i>18.00</i>	<i>4162.50</i>
<i>276</i>		<i>2</i>			<i>Fluore</i>	<i>50</i>	<i>lbs</i>			<i>2.50</i>	<i>125.00</i>
<i>581</i>		<i>2</i>			<i>Service charge Cement</i>	<i>225</i>	<i>sls</i>			<i>2.00</i>	<i>450.00</i>
<i>583</i>		<i>2</i>			<i>Drainage</i>	<i>786</i>	<i>ton</i>			<i>1.00</i>	<i>786.00</i>

LEGAL TERMS: Customer hereby acknowledges and agrees to the terms and conditions on the reverse side hereof which include, but are not limited to, PAYMENT, RELEASE, INDEMNITY, and LIMITED WARRANTY provisions.

MUST BE SIGNED BY CUSTOMER OR CUSTOMER'S AGENT PRIOR TO START OF WORK OR DELIVERY OF GOODS  
 x *Carmen Schmitt*  
 DATE SIGNED *3-18-14* TIME SIGNED *0900*  A.M.  P.M.

REMIT PAYMENT TO:  
 SWIFT SERVICES, INC.  
 P.O. BOX 466  
 NESS CITY, KS 67560  
 785-798-2300

SURVEY	AGREE	UN-DECIDED	DIS-AGREE	PAGE TOTAL	PRICE	AMOUNT
OUR EQUIPMENT PERFORMED WITHOUT BREAKDOWN?						
WE UNDERSTOOD AND MET YOUR NEEDS?						
OUR SERVICE WAS PERFORMED WITHOUT DELAY?						
WE OPERATED THE EQUIPMENT AND PERFORMED JOB CALCULATIONS SATISFACTORILY?						
ARE YOU SATISFIED WITH OUR SERVICE?	<input type="checkbox"/> YES	<input type="checkbox"/> NO				
<input type="checkbox"/> CUSTOMER DID NOT WISH TO RESPOND						
				TOTAL		<i>7877.50</i>
				TOTAL		<i>8167.87</i>

CUSTOMER ACCEPTANCE OF MATERIALS AND SERVICES The customer hereby acknowledges receipt of the materials and services listed on this ticket.  
 SWIFT OPERATOR *Bill M* APPROVAL  
 Thank You!

**JOB LOG**

**SWIFT Services, Inc.**

DATE 3-18-14 PAGE NO.

CUSTOMER Carmen Schnitt WELL NO. 2 LEASE Vase JOB TYPE 5 1/2 Port Collar TICKET NO. 25430

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
	0900							on location w/ tool
	0930							Start Tubing
	1030							Locate Port Collar 1777'
	1045					1000		Pressure test hold
		3				400		open PC Injection Rate
	1100	3						Start cement
		3	2			500		Get circulation
		3	70			500		Circulate cement 125 sks @ 11.2 #/gal
			28					Mix 100 sks @ 14 #/gal
			5					Start Displacement
	1140							Close PC
						1000		Pressure test Hold
								Run 5 joints
	1150	3	25					Reverse out Clean
								Pull tool
								wash up Back up
	1245							Job complete Thank You Josh, Brian, John
								Mixed 225 sks 25 sks split