



Confidentiality Requested:

Yes No

KANSAS CORPORATION COMMISSION 1243814
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: _____



1243814

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
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CASING RECORD <input type="checkbox"/> New <input type="checkbox"/> Used							
Report all strings set-conductor, surface, intermediate, production, etc.							
Purpose of String	Size Hole Drilled	Size Casing Set (In O.D.)	Weight Lbs. / Ft.	Setting Depth	Type of Cement	# Sacks Used	Type and Percent Additives

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

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

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

TUBING RECORD: Size: _____ Set At: _____ Packer At: _____ Liner Run: Yes No

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

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

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> <input type="checkbox"/> Other <i>(Specify)</i> _____	PRODUCTION INTERVAL: _____ _____
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Form	ACO1 - Well Completion
Operator	Prairie Fire Petroleum, LLC
Well Name	Votapka 1-28
Doc ID	1243814

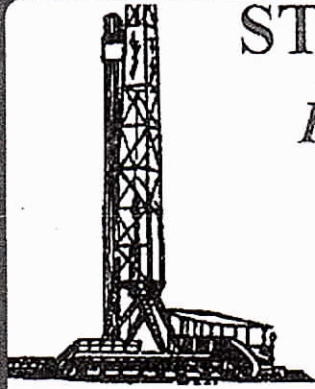
All Electric Logs Run

Geologist Report
Compensated Density/Neutron
Dual Induction
Micro Log

Form	ACO1 - Well Completion
Operator	Prairie Fire Petroleum, LLC
Well Name	Votapka 1-28
Doc ID	1243814

Tops

Name	Top	Datum
Anhydrite	2331	+376
Base/Anhydrite	2350	+357
Topeka	3413	-706
Heebner Shale	3573	-866
Lansing	3616	-909
Stark Shale	3789	-1082
Base KC	3839	-1132
Arbuckle	4040	-1333
Reagan Sand	4170	-1463
Granite	4180	-1473



STEVEN P. MURPHY, P.G.

Petroleum Geologist (KS #228)

Cell 620.639.3030
Fax 785.387.2400

RR#1, Box 69
Otis, Kansas 67565
geomurphy@gbta.net

Scale 1:240 (5"=100') Imperial
Measured Depth Log

Well Name:	Votapka #1-28		Region:	Kansas
API:	15-039-21211-00-00		Drilling Completed:	2/12/2015
Location:	Decatur County			
License Number:	34418			
Spud Date:	2/6/2015			
Surface Coordinates:	385' FNL & 1600' FEL (Approx. NE/4) Section 28-T1S-R28W			
Bottom Hole Coordinates:	Same as above (Vertical well w/min deviation)			
Ground Elevation (ft):	2697'	K.B. Elevation (ft):	2707'	
Logged Interval (ft):	3150	To: TD	Total Depth (ft):	LTD - 4248'
Formation:	Topeka through pC Granite			
Type of Drilling Fluid:	Chemical (KDT)			

Printed by STRIP.LOG from WellSight Systems 1-800-447-1534 www.WellSight.com

OPERATOR

Company: Prairie Fire Petroleum, LLC
Address: P.O. Box 38
Norton, KS 67654

GEOLOGIST

Name: Steven P. Murphy, PG (KS License #228) & Anthony Luna
Company: Consulting Petroleum Geologist
Address: 3365 CR 390
Otis, KS 67565

LogTops (Datum)

Open-hole logging was performed by Pioneer Log-Tech. The following are formation tops w/associated datums:

Anhydrite Top - 2331 (+376)
Anhydrite Base - 2350 (+357)
Topeka - 3413 (-706)
Heebner - 3573 (-866)
Lansing - 3616 (-909)
Stark - 3789 (-1082)
Base KC - 3839 (-1132)
Arbuckle - 4040 (-1333)
Reagan Sand - 4170 (-1463)
pC Granite - 4180 (-1473)

DSTs





















Drillstem testing was performed by Trilobite Testing (Oberlin shop):

DST #1 3562-3626 (Oread & LKC "A")
 30:45:30:60
 IF: Built to 5 1/2in, no return
 FF: Built to 5 1/4in, no return
 Recovery: 130' MW (85%W, 15%M)
 IHP: 1728 FHP: 1697
 IFP: 18-60 ISIP: 1172
 FFP: 57-94 FSIP: 1151
 BHT - 100 F
 Chlorides - 25,000 ppm

COMMENTS


Based on the results of DSTs and log & sample analysis, this well was determined to be non-commercial and should be plugged & abandoned.

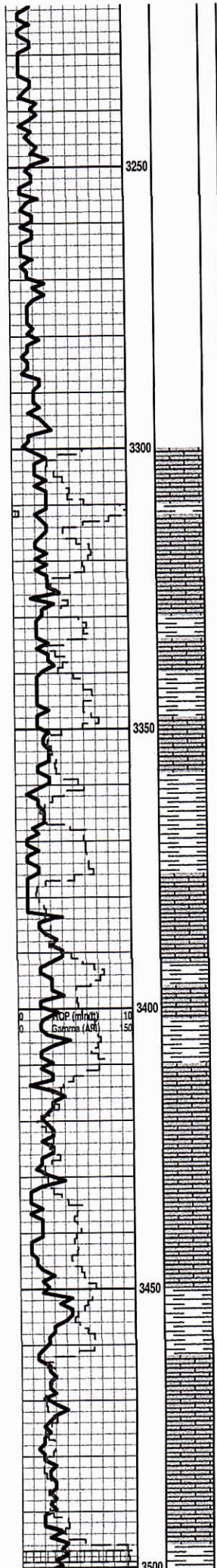
ROCK TYPES

 Anhy	 Coal	 Lmst	 Shcol
 Bent	 Congl	 Meta	 Shgy
 Brec	 Dol	 Mrlst	 Slstst
 Cht	 Gyp	 Salt	 Ss
 Clyst	 Igne	 Shale	 Till

OTHER SYMBOLS

OIL SHOW	 Dead	INTERVAL	 Conn
 Even	 Gas	 Core	 Rft
 Spotted		 Dst	 Sidewall
 Ques			

Curve Track 1 ROP (min/ft) ——— Gamma (API) - - - -	Depth	Lithology	Oil Shows	Geological Descriptions	REMARKS
	0			LS: wht-crm-tan, fxln, sl chalky, NS	SAMPLE TOPS (Datums) 8 5/8" Surface Casing set @ 275' Anhydrite Top - 2332' (+375) Anhydrite Base - 2364' (+343)
				SH: gry-grn-brn-blk	
				SH: same as above	
				LS: wht-crm-gry, fxln, sl cherty, sl chalky, NS	
	3150			SH: gry-grn-brn	
				LS: wht-tan-gry, fxln, sl fos, sl chalky, NS	
				SH: gry-grn-brn	
				LS: wht-tan-gry, vfxln, sl cherty, NS	
				LS: same as above, w/abund shale	
	3200			SH: gry-grn-brn	
				LS: tan-gry, vfxln, sl cherty, NS	
				SH: gry-grn-brn	



LS: wht-tan-gry, vfxln, sl fos, NS

LS: wht-tan-gry, vfxln, sl cherty, sl fos, NS
SH: gry-grn-bm

3250 LS: tan-gry-yel, fxln, sl cherty, sl fos, NS

LS: same as above

SH: gry-grn-bm

LS: wht-tan-gry, vfxln, NS

LS: same as above

3300 SH: gry-grn-bm

LS: wht-tan-gry, vfxln, sl chalky, NS

LS: same as above

LS: wht-tan-gry, fxln, sl fos, sl chalky, NS

SH: gry-grn-bm

LS: wht-tan-gry, fxln, sl fos, NS

SH: gry-grn-bm

3350 LS: crm-tan-gry, fxln, sl cherty, sl chalky, NS

SH: gry-grn-bm

SH: same as above

LS: wht-tan-gry, vfxln, sl fos, sl chalky, NS

LS: tan-gry, fxln, sl fos, chalky, w/shale

3400 LS: same as above

SH: gry-grn-bm

LS: wht-tan-gry, vfxln, sl ool, NS

LS: wht-crm-gry, vfxln, sl fos, NS

LS: wht-crm-tan, vfxln, sl ool, sl fos, NS

3450 LS: wht-crm-gry, vfxln, sl cherty, sl ool, NS

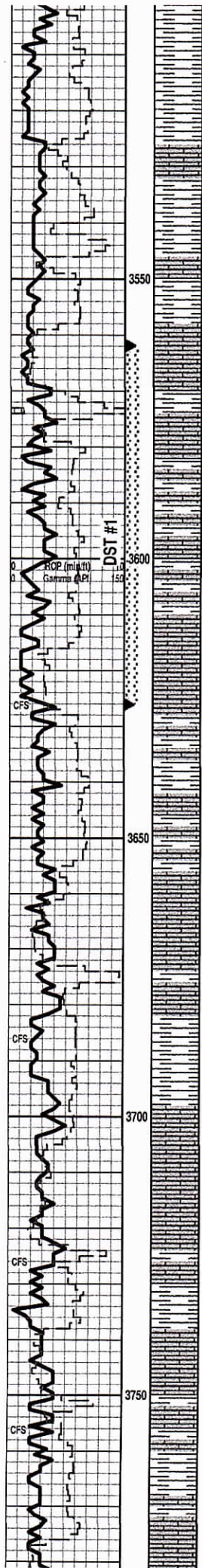
SH: gry-grn-bm

LS: wht-crm-tan, vfxln, sl cherty, sl fos, NS

LS: wht-crm-tan, vfxln, sl fos, sl chalky, NS

LS: wht-crm-tan, vfxln, sl cherty, sl fos, NS

Topeka 3407 (-700)



SH: gry-grn-brn

SH: gry-grn-brn

LS: wht-tan-gry, vfxln, sl fos, NS

SH: gry-grn-brn

LS: wht-crm-tan, vfxln, sl ool, NS

LS: wht-crm-tan, vfxln, sl ool, pr por, sl gilson str, nsfo, no odor

LS: wht-crm-tan, vfxln, sl cherty, sl fos, NS

SH: blk

LS: wht-crm-tan, vfxln, sl fos, NS

SH: gry-grn-brn

SH: same as above

SH: same as above

LS: wht-crm-tan, vfxln, sl fos, pr-tr pn pt por, tr fo on brk, no odor

LS: wht-crm-tan, vfxln, pr pn pt por, tr fo on brk, sl gilson str, no odor

SH: gry-grn-brn

SH: same as above

LS: wht-crm-tan, vfxln, dense, edge str, pr inxln por, vsso, wk odor

LS: wht-crm-tan, vfxln, dense, minor edge strns, nsfo, no odor

SH: gry-grn-brn

LS: wht-tan-gry, vfxln, w/abund brn shale

LS: wht-crm-tan, vfxln, dense, sl fos, pr inxln por, sl s'n, nsfo, no odor

LS: same as above

SH: gry-grn-brn

LS: wht-crm-tan, vfxln, sl ool, sl fos, NS

LS: wht-crm-gry, vfxln, dense, sl cherty, sl fos, NS

SH: gry-grn-brn

LS: wht-crm-tan, vfxln, dense, sl cherty, sl fos, few str, nsfo, no odor

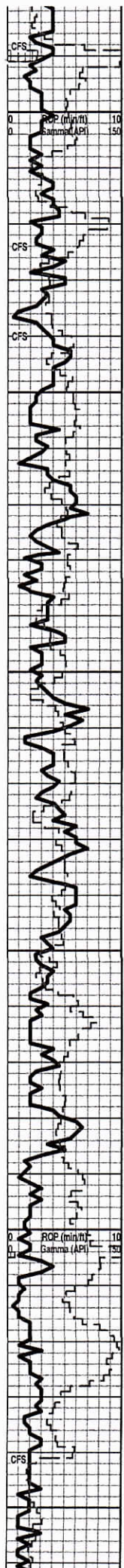
Oread 3556 (-849)

Heebner 3571 (-864)

DST #1 3562-3626 (Oread & LKC "A")
 30:45:30:60
 IF: Built to 5 1/2in, no return
 FF: Built to 5 1/4in, no return
 Recovery: 130' MW (85%W, 15%M)
 IHP: 1728 FHP: 1697
 IFP: 18-60 ISIP: 1172
 FFP: 57-94 FSIP: 1151
 BHT - 100 F
 Chlorides - 25,000 ppm

Lansing 3615 (-908)

Survey @ 3626' - 3/4 deg



LS: same as above

SH: gry-grn-brn

LS: wht-crm-tan, vfxln, dense, sl fos, sl str, nsfo, no odor

LS: same as above

SH: gry-grn-brn

LS: wht-crm-gry, vfxln, sl ool, sl fos, few edge str, nsfo, no odor

LS: wht-crm-tan, vfxln, sl cherty, sl fos, NS

SH: gry-grn-brn

SH: same as above

LS: wht-crm-tan, fxl, dense, sl ool, sl fos, NS

SH: gry-grn-brn

SH: same as above

LS: wht-crm-tan, vfxln, dense, sl cherty, sl fos, NS

LS: same as above w/abund shale

SH: gry-grn-brn

LS: wht-crm-tan, vfxln, sl ool, sl fos, NS

LS: wht-crm-gry, vfxln, dense, sl cherty, sl fos, NS

SH: gry-grn-brn

LS: wht-crm-tan, vfxln, cherty, NS

LS: same as above

LS: wht-crm-tan, vfxln, cherty, w/abund shale

SH: gry-grn-brn

LS: wht-crm-tan, vfxln, dense, sl cherty, NS

LS: wht-crm-tan, vfxln, cherty, sl fos, NS

SH: gry-grn-brn

Dol: wht-tan, rhombic & sucrosic, cherty, sl fos, glauc, w/few sd clusters

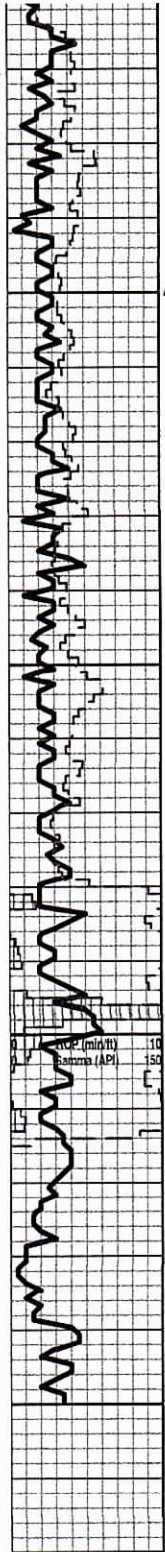
Dol: same as above

Dol: wht-tan, rhombic & sucrosic, dense, sl cherty, glauc, NS

Stark 3786 (-1079)

BKC 3835 (-1128)

Arbuckle 4033 (-1326)



Dol: same as above

Dol: same as above

4100

Dol: same as above

Dol: same as above

4150

Dol: wht-tan, rhombic & sucrosic, vry glauc, NS

Dol: wht-tan, rhombic & sucrosic, few vugs, vry glauc, NS

Sst: wht-clr, fr-mnd grn, friable to firm clusters, fr wl cmt, fr-wll std, sub-rd, NS

Reagan Sand 4184 (-1477)

Granite constituents (quartz, feldspar, biotite)

pC Granite 4193 (-1486)

4200

pC: same as above

10
 gamma (API)
 150
 min/R

pC: same as above

Pc: same as above

4250

Survey @ TD - 3/4 deg

LTD - 4248'
 RTD - 4250'



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Prairie Fire Petro LLC

28 1S 28W Decatur KS

PO BOX 38
Norton KS 67654

Votapka 1-28

Job Ticket: 60810

DST#: 1

ATTN: Anthony Luna

Test Start: 2015.02.10 @ 12:30:00

GENERAL INFORMATION:

Formation: **Oread & LKC "A"**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 14:32:00

Time Test Ended: 19:13:30

Test Type: Conventional Bottom Hole (Initial)

Tester: Robert Zodrow

Unit No: 66

Interval: **3562.00 ft (KB) To 3626.00 ft (KB) (TVD)**

Total Depth: 3626.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 2707.00 ft (KB)

2697.00 ft (CF)

KB to GR/CF: 10.00 ft

Serial #: 8959

Inside

Press@RunDepth: 93.71 psig @ 3563.00 ft (KB)

Start Date: 2015.02.10

End Date:

2015.02.10

Start Time: 12:30:05

End Time:

19:08:29

Capacity: 8000.00 psig

Last Calib.: 2015.02.10

Time On Btm: 2015.02.10 @ 14:31:30

Time Off Btm: 2015.02.10 @ 17:32:30

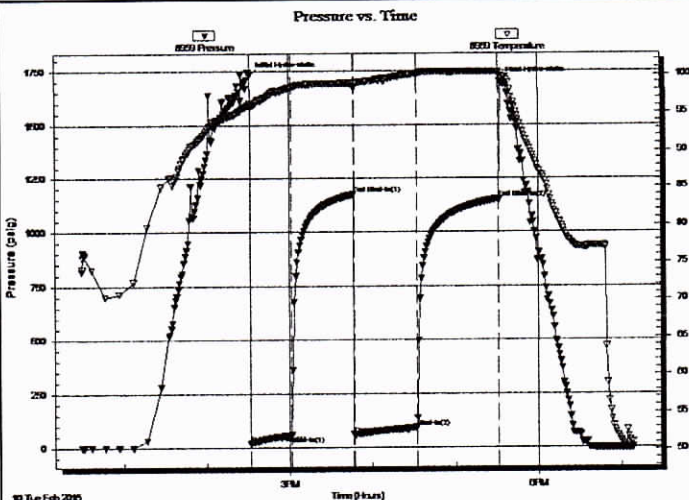
TEST COMMENT: 30-IF- Blow built to 5 1/2"

45-ISI- No return

45-FF- Blow built to 5 1/4"

60-FSI- No return

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1728.37	96.16	Initial Hydro-static
1	17.82	95.84	Open To Flow (1)
30	57.02	98.28	Shut-In(1)
75	1172.49	98.89	End Shut-In(1)
76	60.63	98.20	Open To Flow (2)
121	93.71	100.11	Shut-In(2)
180	1151.82	100.38	End Shut-In(2)
181	1697.04	99.86	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
130.00	MW 15%M 85%W	1.31

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Prairie Fire Petro LLC

28 1S 28W Decatur KS

PO BOX 38
Norton KS 67654

Votapka 1-28

Job Ticket: 60810

DST#: 1

ATTN: Anthony Luna

Test Start: 2015.02.10 @ 12:30:00

Mud and Cushion Information

Mud Type: Gel Chem
Mud Weight: 9.00 lb/gal
Viscosity: 45.00 sec/qt
Water Loss: 7.99 in³
Resistivity: ohm.m
Salinity: 1000.00 ppm
Filter Cake: 1.00 inches

Cushion Type:
Cushion Length: ft
Cushion Volume: bbl
Gas Cushion Type:
Gas Cushion Pressure: psig

Oil API: deg API
Water Salinity: 25000 ppm

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
130.00	MW 15%M 85%W	1.309

Total Length: 130.00 ft Total Volume: 1.309 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: RW .336 @ 59 DEG F = 25000

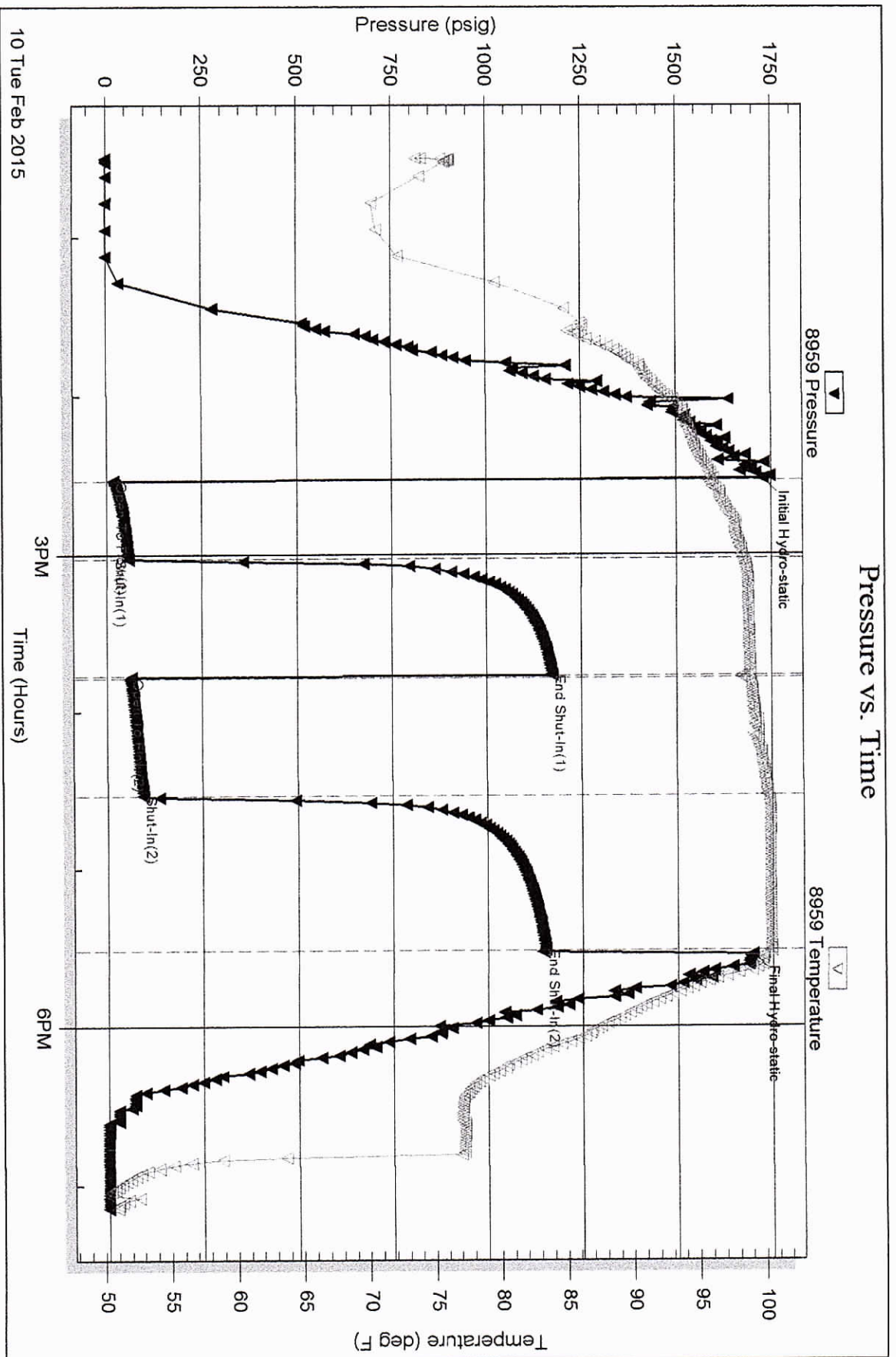
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Inside

Prairie Fire Petro LLC

Volapka 1-28

DST Test Number: 1

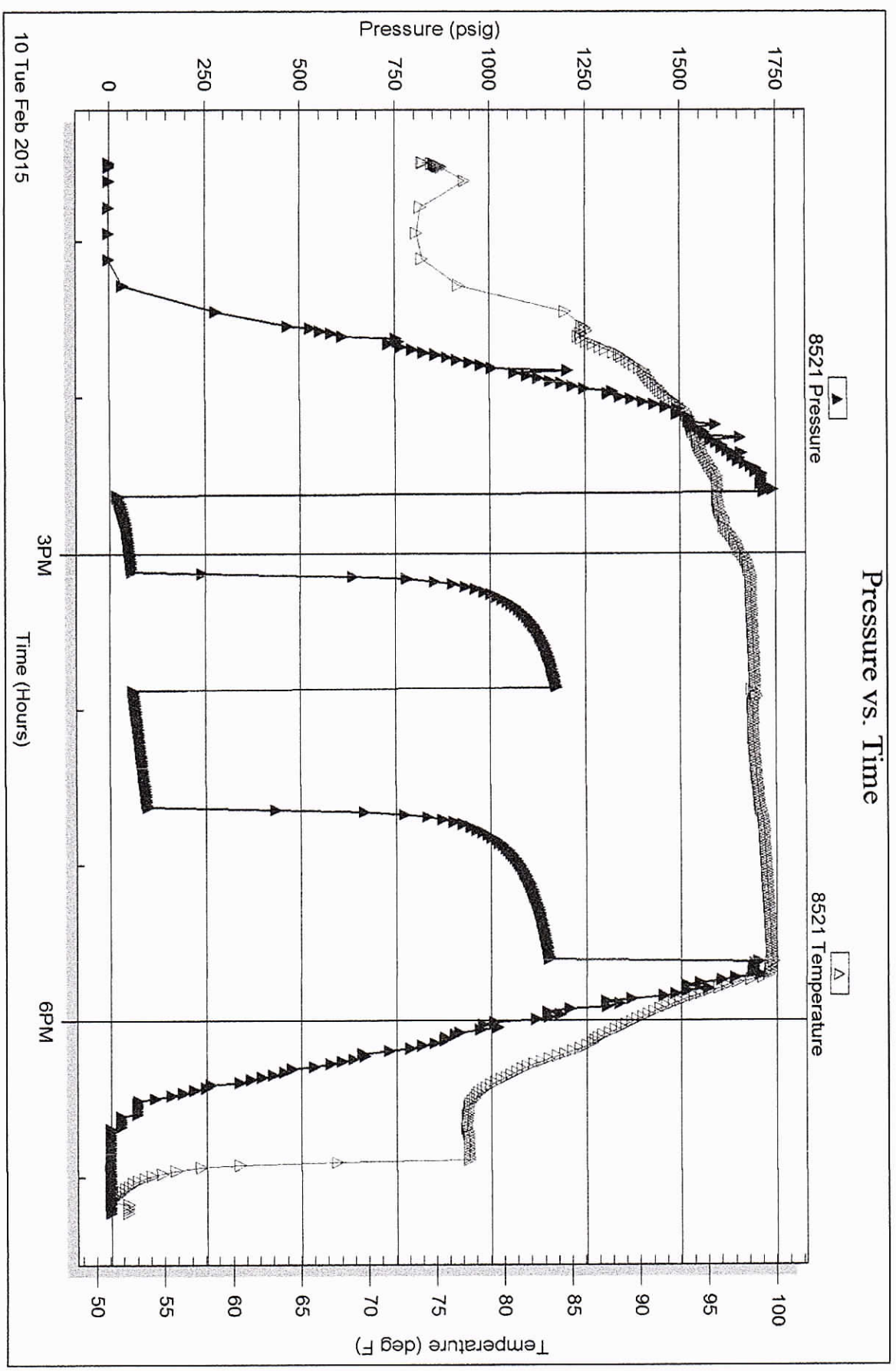


Serial #: 8521

Outside Prairie Fire Petro LLC

Volapka 1-28

DST Test Number: 1





**COMPLETION
& PRODUCTION
SERVICES CO.**

**DUAL
INDUCTION
LOG**

Company PRAIRIE FIRE PETROLEUM, LLC.
Well VOTAPKA #1-28
Field
County DECATUR
State KANSAS

Company PRAIRIE FIRE PETROLEUM, LLC.
Well VOTAPKA #1-28
Field
County DECATUR State KANSAS
Location: API #: 15-039-21211-0000
385' FNL & 1600' FEL
SEC 28 TWP 1S RGE 28W

Other Services
CDL/CNL
MEL
Elevation
K.B. 2707
D.F. 2705
G.L. 2697

Permanent Datum GROUND LEVEL Elevation 2697
Log Measured From KELLY BUSHING 10' A.G.L.
Drilling Measured From KELLY BUSHING

Date	2/12/15		
Run Number	ONE		
Depth Driller	4250		
Depth Logger	4258		
Bottom Logged Interval	4256		
Top Log Interval	00		
Casing Driller	8 5/8" @ 275		
Casing Logger			
Bit Size	7 7/8"		
Type Fluid in Hole	CHEMICAL MUD	CHLORIDES 2000 PPM	
Density / Viscosity	9.3/55		
pH / Fluid Loss	9.5/8.8		
Source of Sample	FLOWLINE		
Rm @ Meas. Temp	1.0 @ 65F		
Rmf @ Meas. Temp	.75 @ 65F		
Rmc @ Meas. Temp	1.20 @ 65F		
Source of Rmf / Rmc	MEASUREMENT		
Rm @ BHT	.54 @ 118F		
Time Circulation Stopped	2 HOURS		
Time Logger on Bottom			
Maximum Recorded Temperature	118F		
Equipment Number	4010		
Location	HAYS, KANSAS		
Recorded By	JASON CAPPELLUCCI		
Witnessed By	ANTHONY LUNA		

<<< 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 NABORS, HAYS, KS. (785) 628-6395
DIRECTIONS:
OBERLIN, KS. - 8 NORTH TO RD. 8 - 3 1/2 EAST - SOUTH INTO



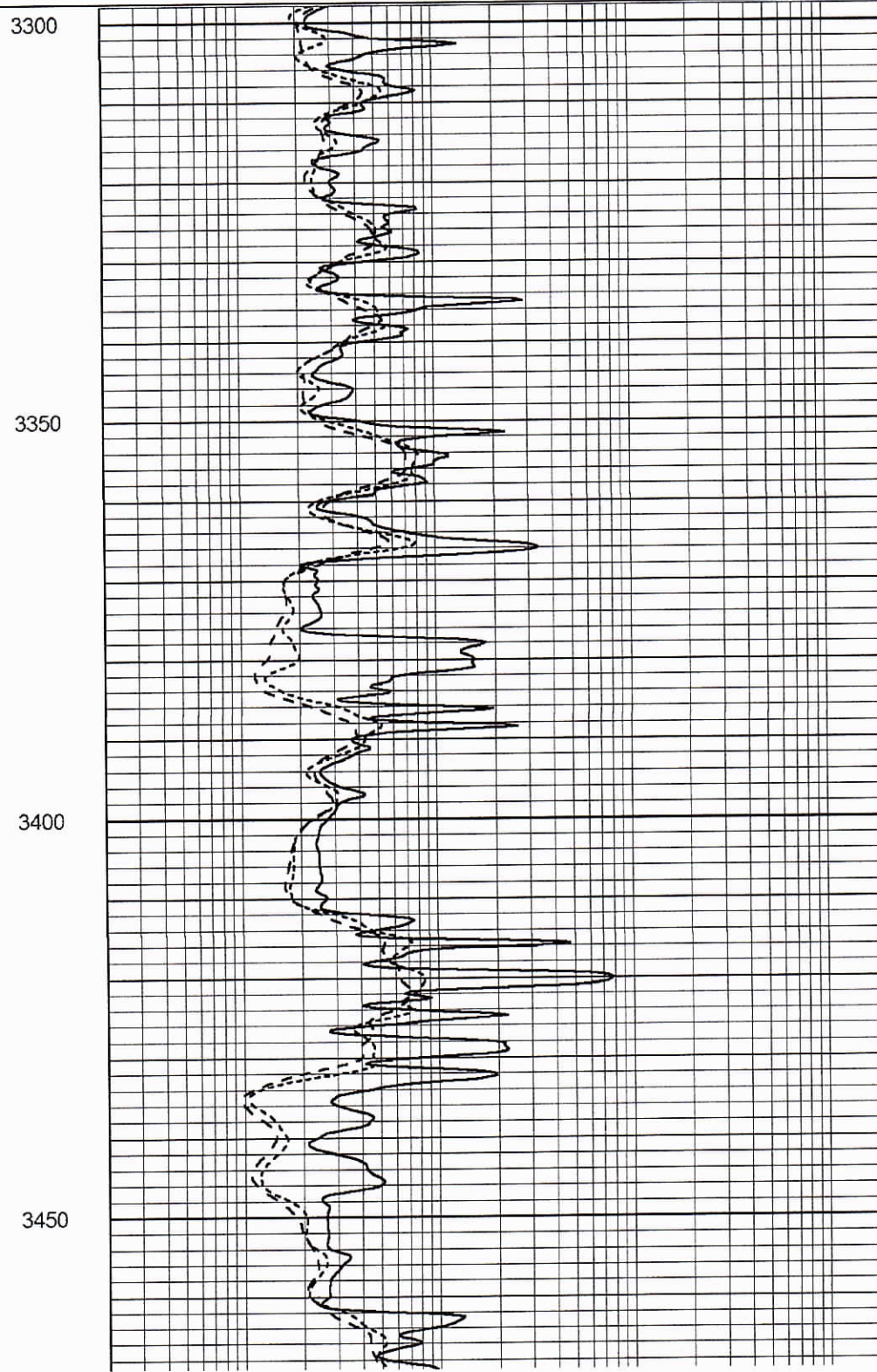
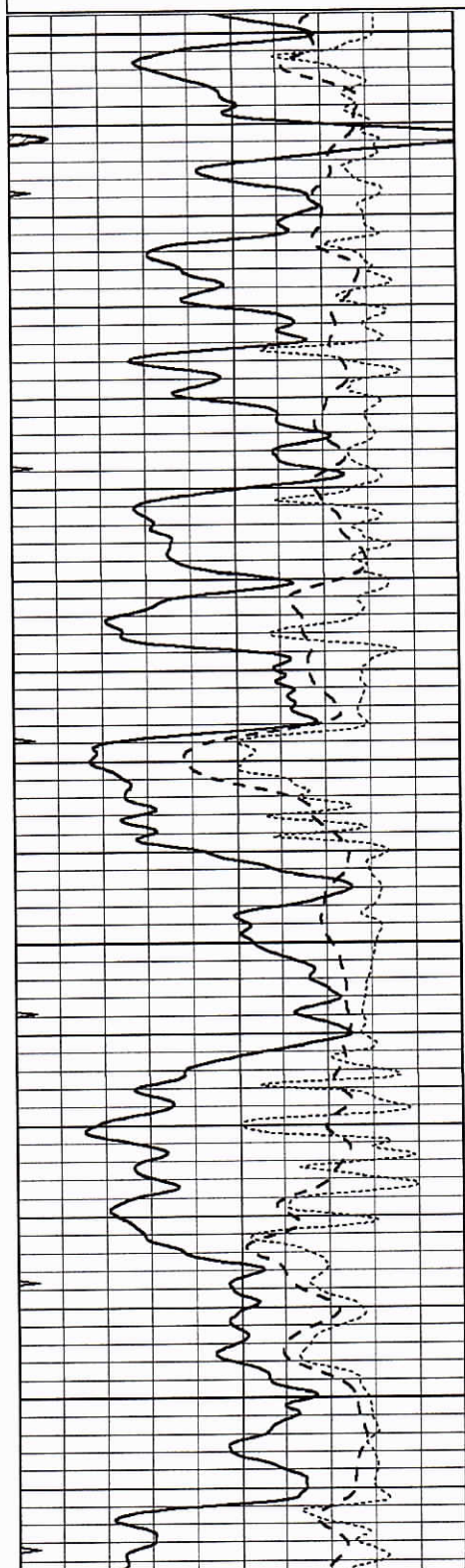
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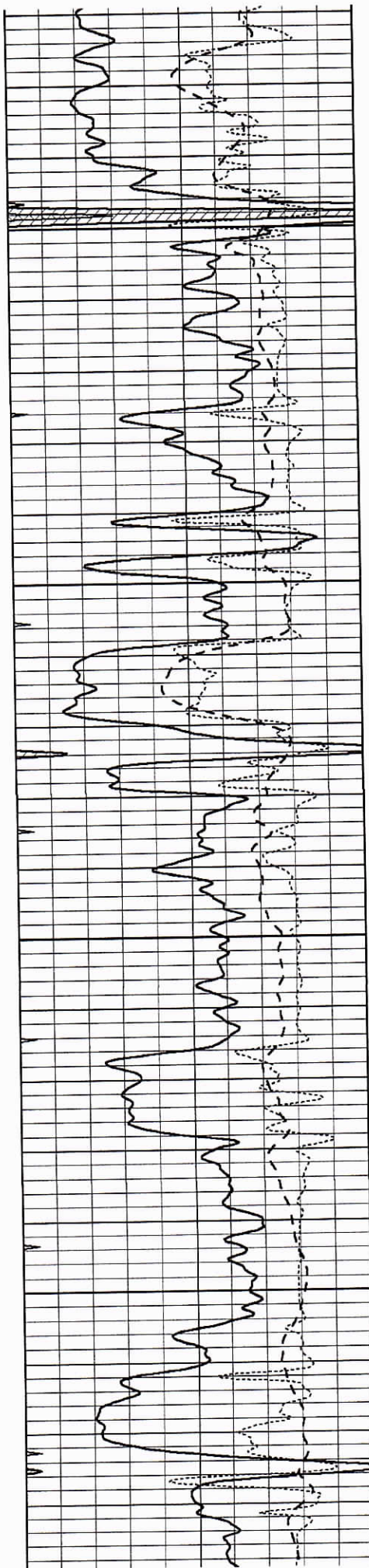
SERVICES CO.

Database File: 26536ddn.db
 Dataset Pathname: pass3.1
 Presentation Format: _dil
 Dataset Creation: Thu Feb 12 20:39:04 2015 by Calc Open-Cased 090629
 Charted by: Depth in Feet scaled 1:240

0	GAMMA RAY (GAPI)	150
-100	SP (mV)	100
-250	Rxo/Rt	50
0	MINMK	20

0.2	SHALLOW GUARD (Ohm-m)	2000
0.2	DEEP INDUCTION (Ohm-m)	2000
0.2	MEDIUM INDUCTION (Ohm-m)	2000



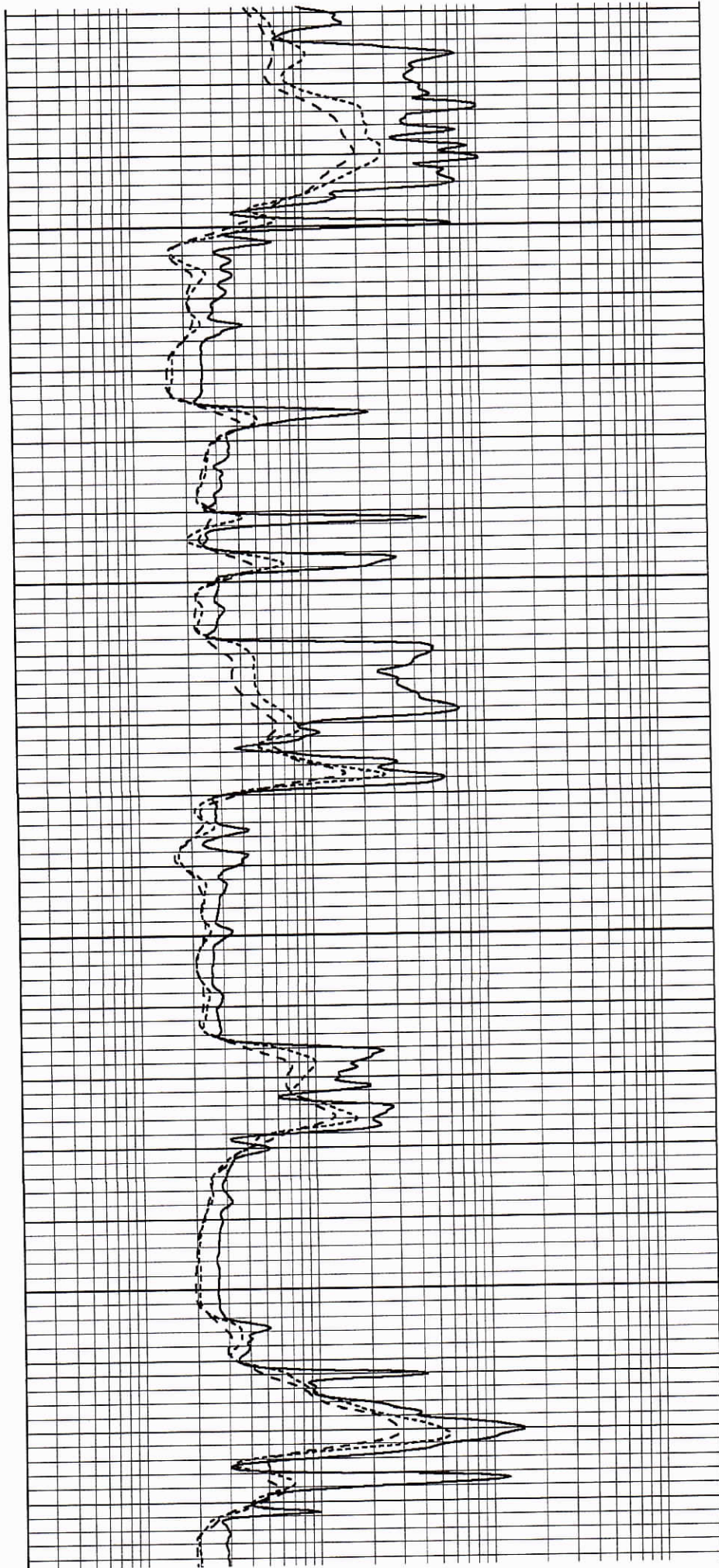


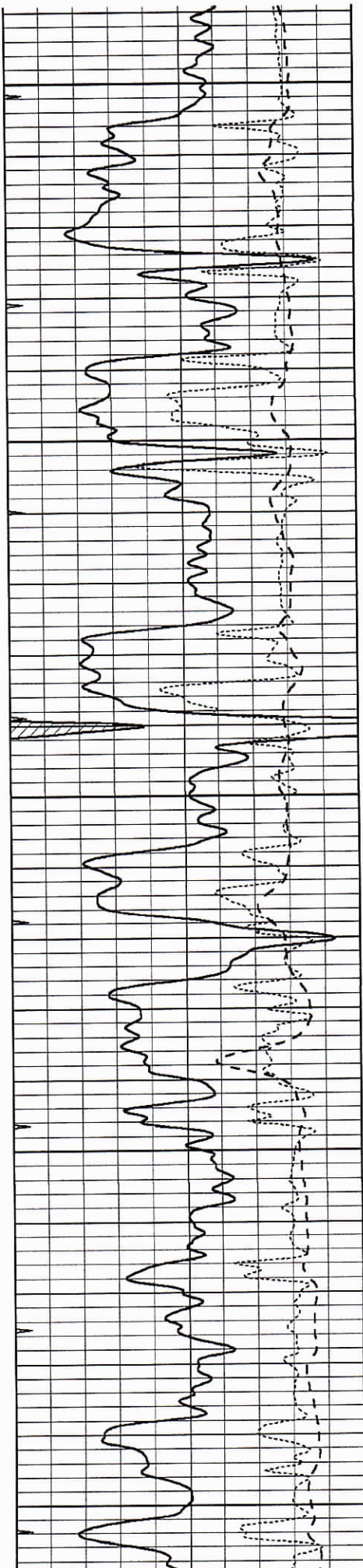
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3550

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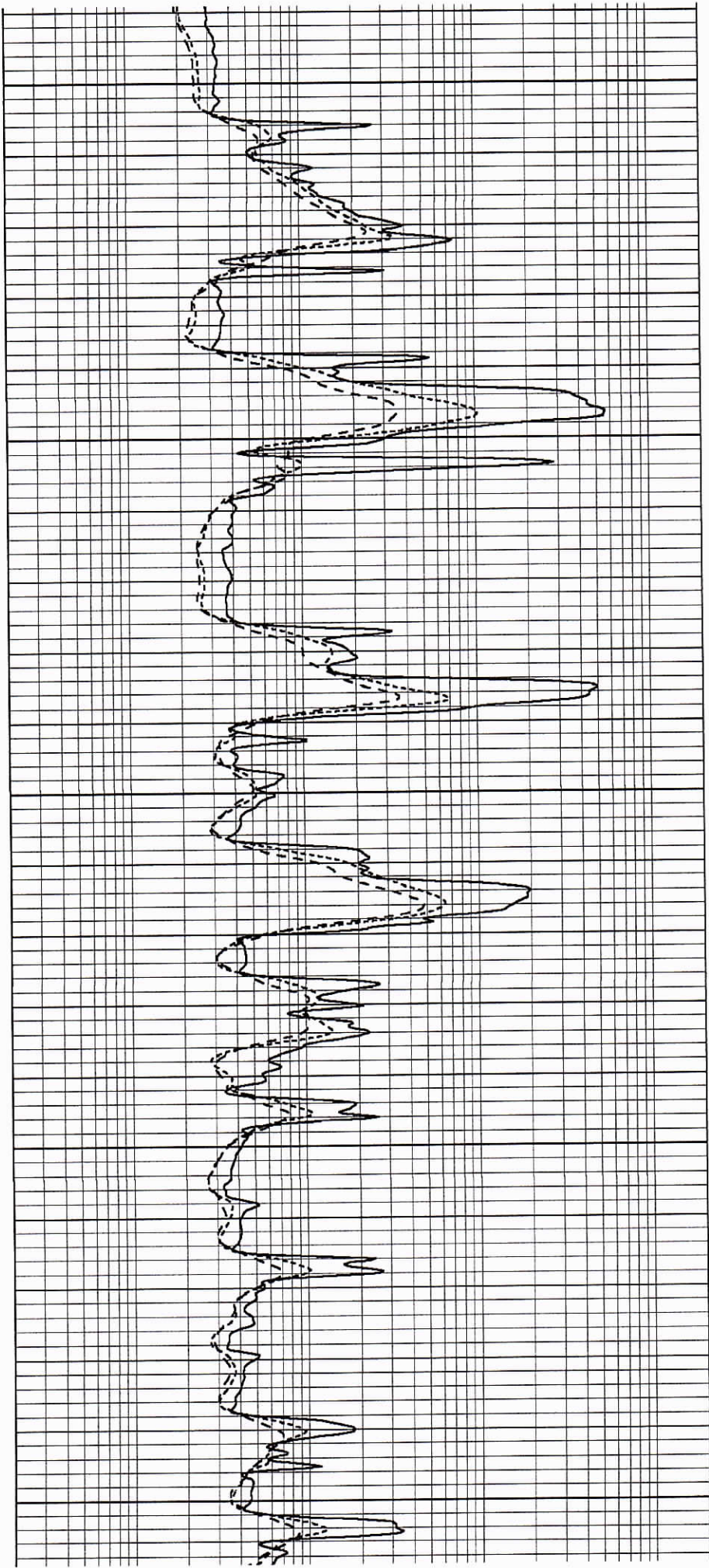
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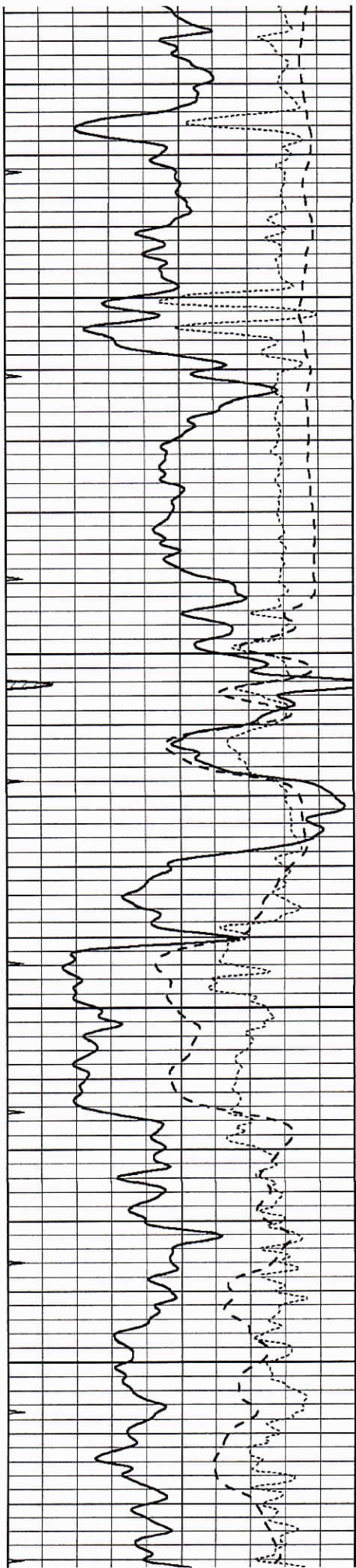
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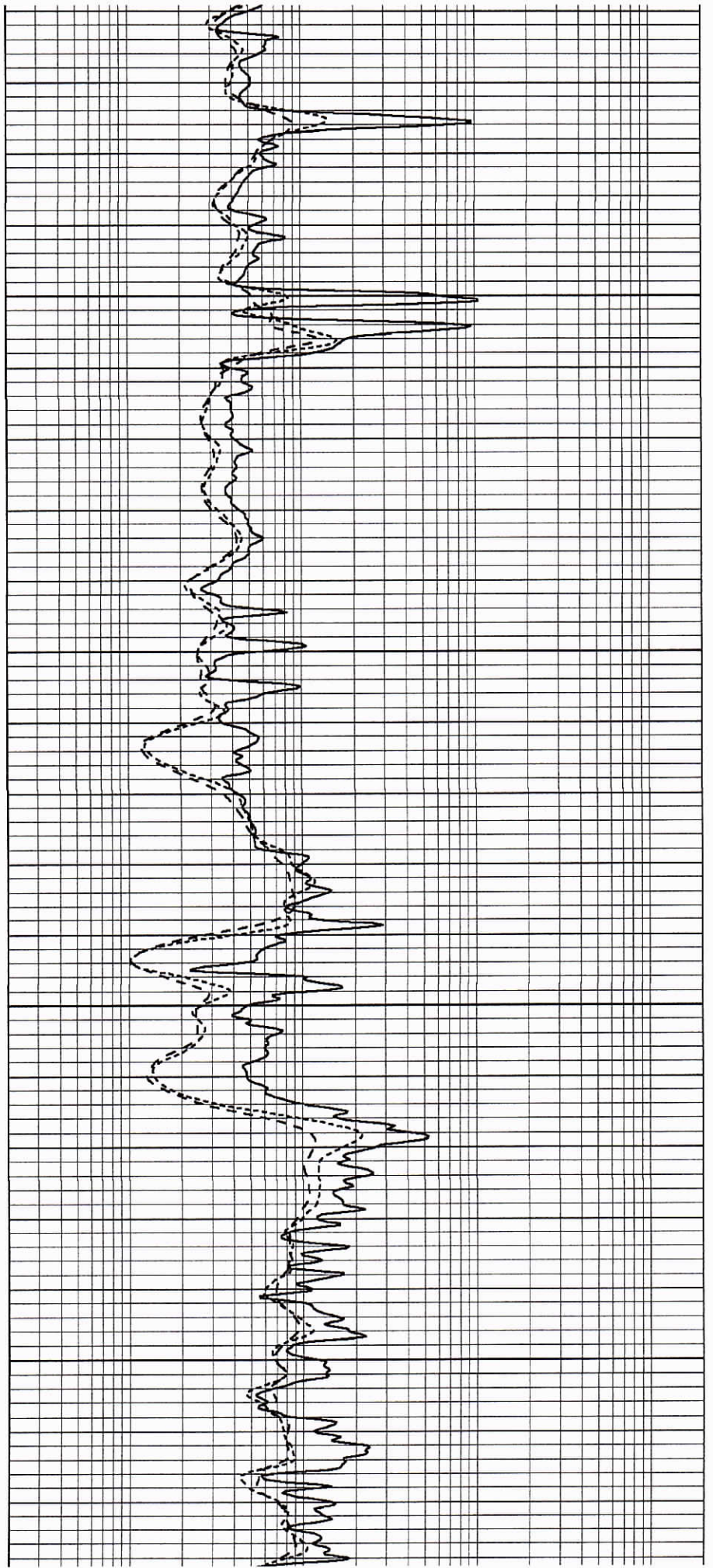


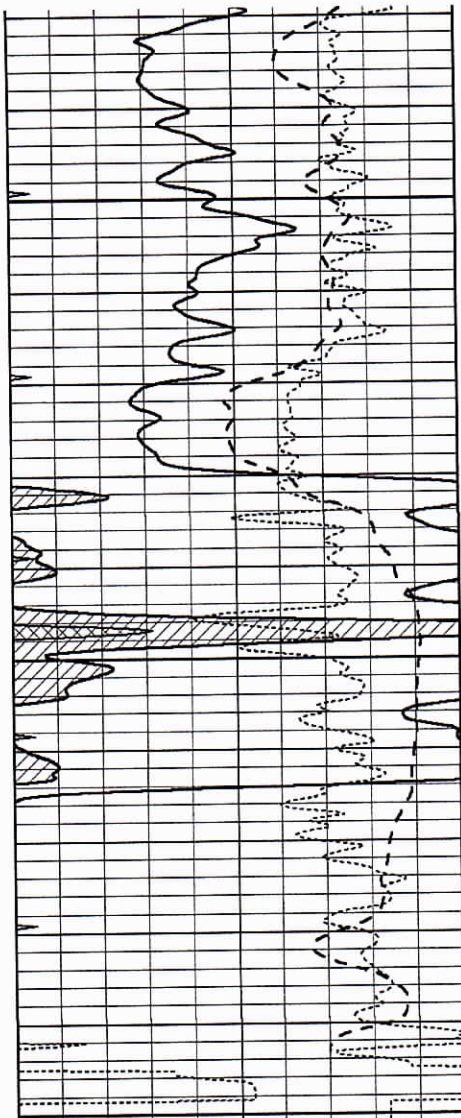
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4000

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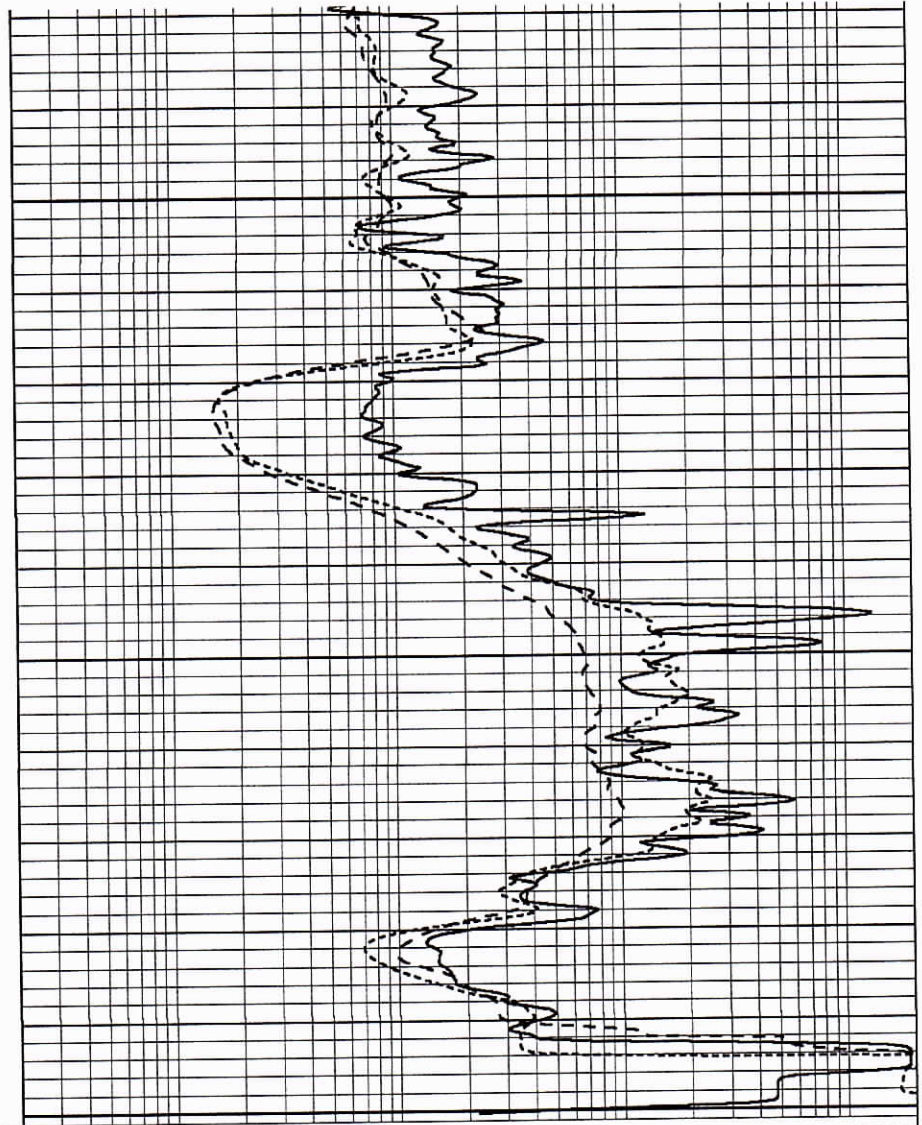


4150

4200

4250

0	GAMMA RAY (GAPI)	150
-100	SP (mV)	100
-250	Rxo/Rt	50
0	MINMK	20



0.2	SHALLOW GUARD (Ohm-m)	2000
0.2	DEEP INDUCTION (Ohm-m)	2000
0.2	MEDIUM INDUCTION (Ohm-m)	2000



**COMPLETION
& PRODUCTION
SERVICES CO.**

**MICRO
LOG**

Company PRAIRIE FIRE PETROLEUM, LLC.
Well VOTAPKA #1-28
Field
County DECATUR
State KANSAS

Company PRAIRIE FIRE PETROLEUM, LLC.
Well VOTAPKA #1-28
Field
County DECATUR State KANSAS

Location: API #: 15-039-21211-0000
385' FNL & 1600' FEL

SEC 28 TWP 1S RGE 28W

Permanent Datum GROUND LEVEL Elevation 2697
Log Measured From KELLY BUSHING 10' A.G.L.
Drilling Measured From KELLY BUSHING

Elevation
K.B. 2707
D.F. 2705
G.L. 2697

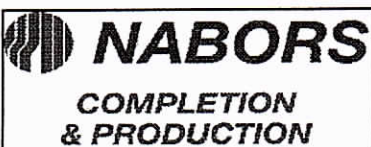
Date	2/12/15		
Run Number	TWO		
Depth Driller	4250		
Depth Logger	4248		
Bottom Logged Interval	4246		
Top Log Interval	3300		
Casing Driller	8 5/8" @ 275		
Casing Logger	264		
Bit Size	7 7/8"		
Type Fluid in Hole	CHEMICAL MUD	CHLORIDES 2000 PPM	
Density / Viscosity	9.3/55		
pH / Fluid Loss	9.5/8.8		
Source of Sample	FLOWLINE		
Rm @ Meas. Temp	1.0 @ 65F		
Rmf @ Meas. Temp	.75 @ 65F		
Rmc @ Meas. Temp	1.20 @ 65F		
Source of Rmf / Rmc	MEASUREMENT		
Rm @ BHT	.54 @ 118F		
Time Circulation Stopped	2 HOURS		
Time Logger on Bottom			
Maximum Recorded Temperature	118F		
Equipment Number	4010		
Location	HAYS, KANSAS		
Recorded By	JASON CAPPELLUCCI		
Witnessed By	ANTHONY LUNA		

<<< Fold Here >>>

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Comments

THANK YOU FOR USING NABORS, HAYS, KS. (785) 628-6395
DIRECTIONS:
OBERLIN, KS. - 8 NORTH TO RD. 8 - 3 1/2 EAST - SOUTH INTO

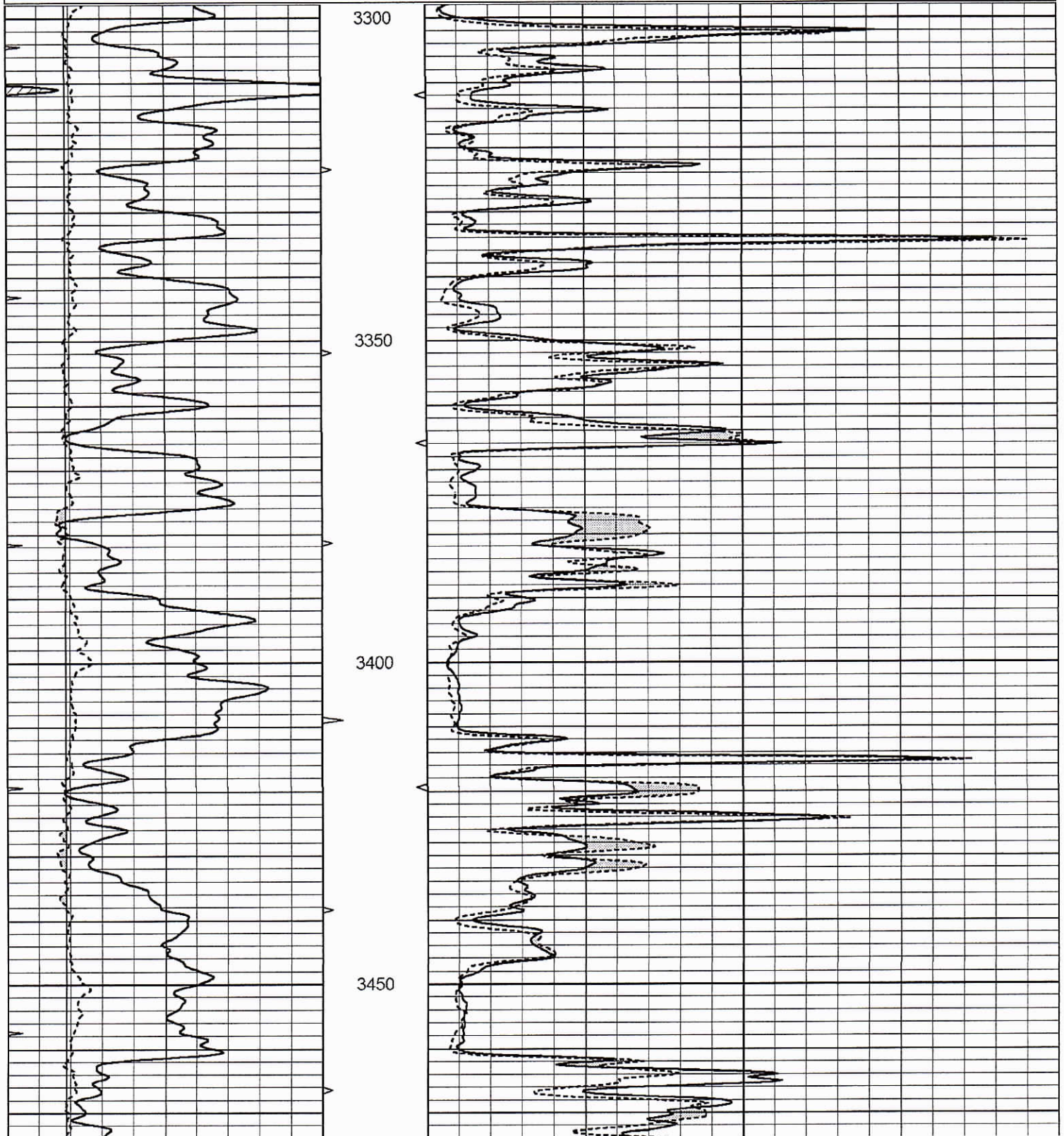


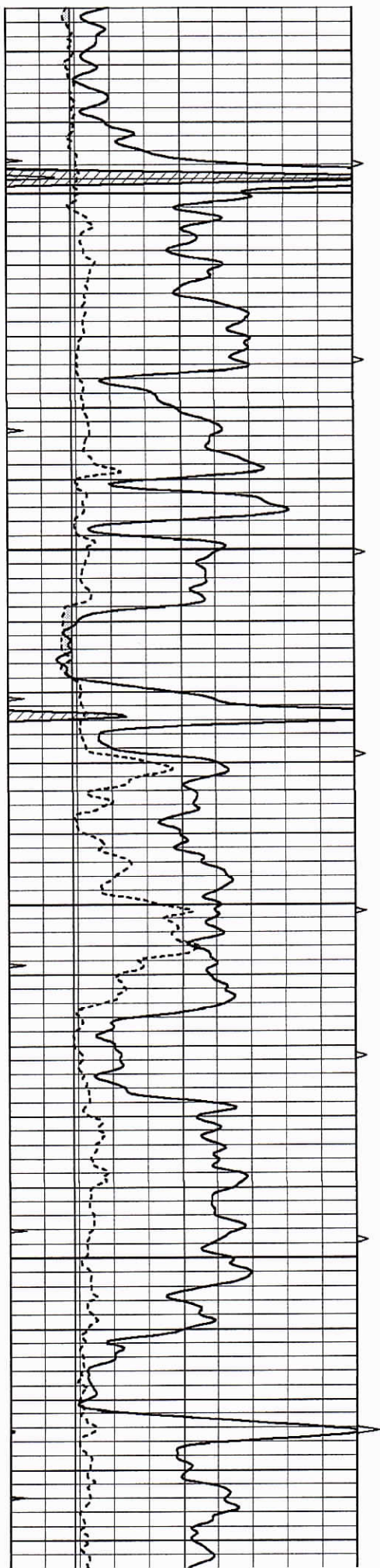
MAIN SECTION

SERVICES CO.

Database File: 26536ddn.db
 Dataset Pathname: pass6.1
 Presentation Format: _micro
 Dataset Creation: Thu Feb 12 22:41:34 2015 by Calc Open-Cased 090629
 Charted by: Depth in Feet scaled 1:240

0	GAMMA RAY (GAPI)	150	ABHV	0	MEL1.5 (Ohm-m)	40
6	CALIPER (in)	16	10 (ft3)	0 0	MEL2.0 (Ohm-m)	40
0	MINMK	20	TBHV			
			0 (ft3)	10		



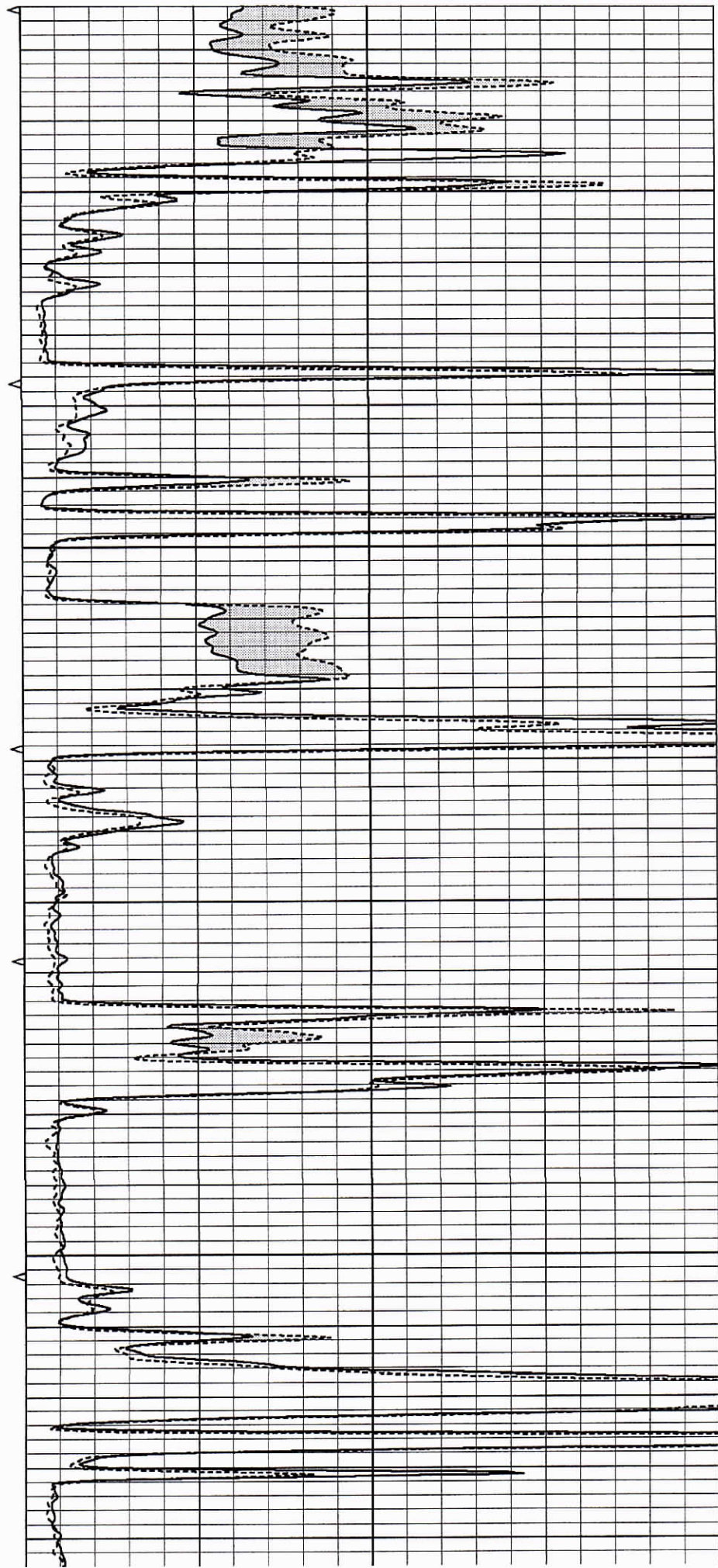


3500

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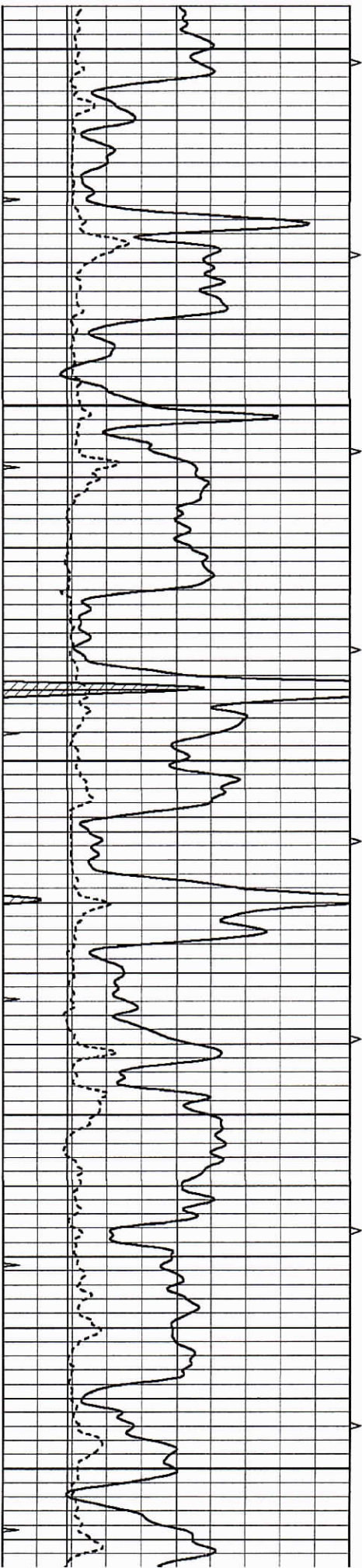


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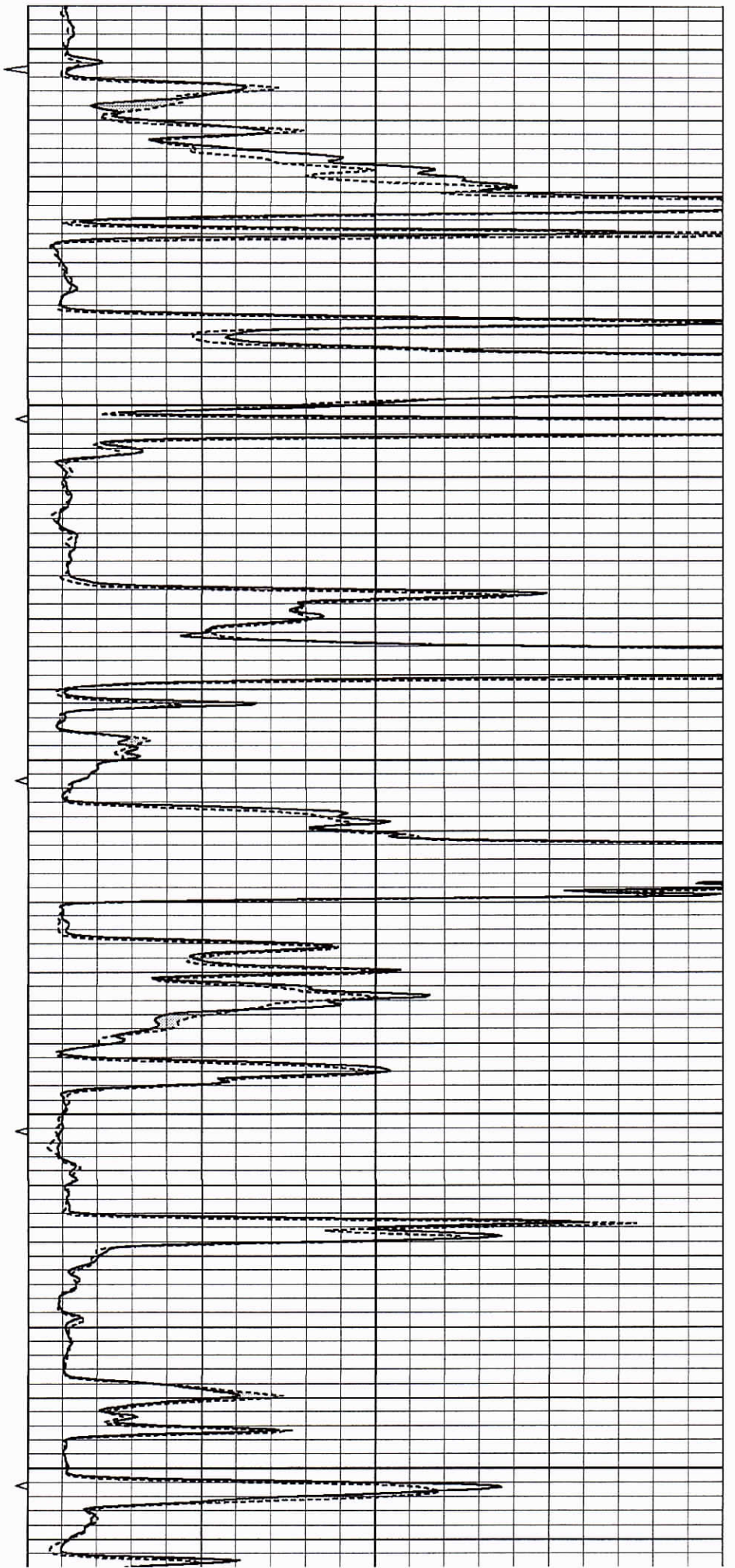
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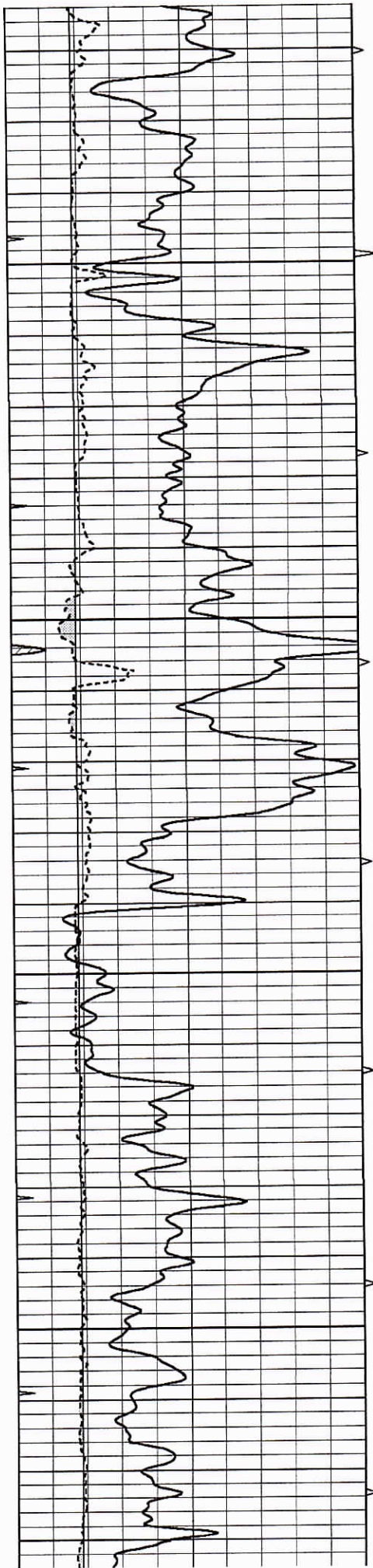
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3800

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3900



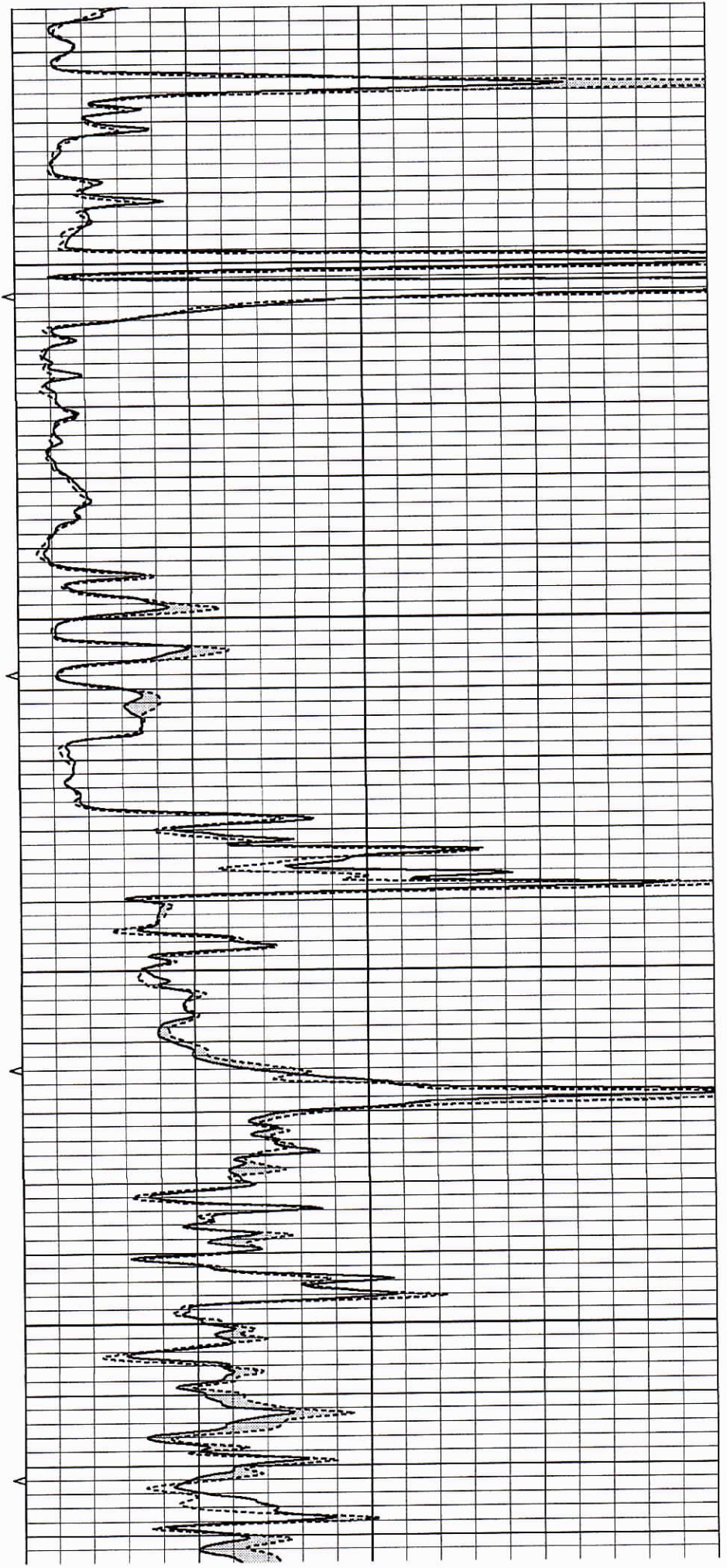


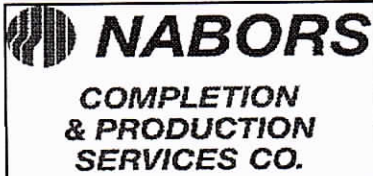
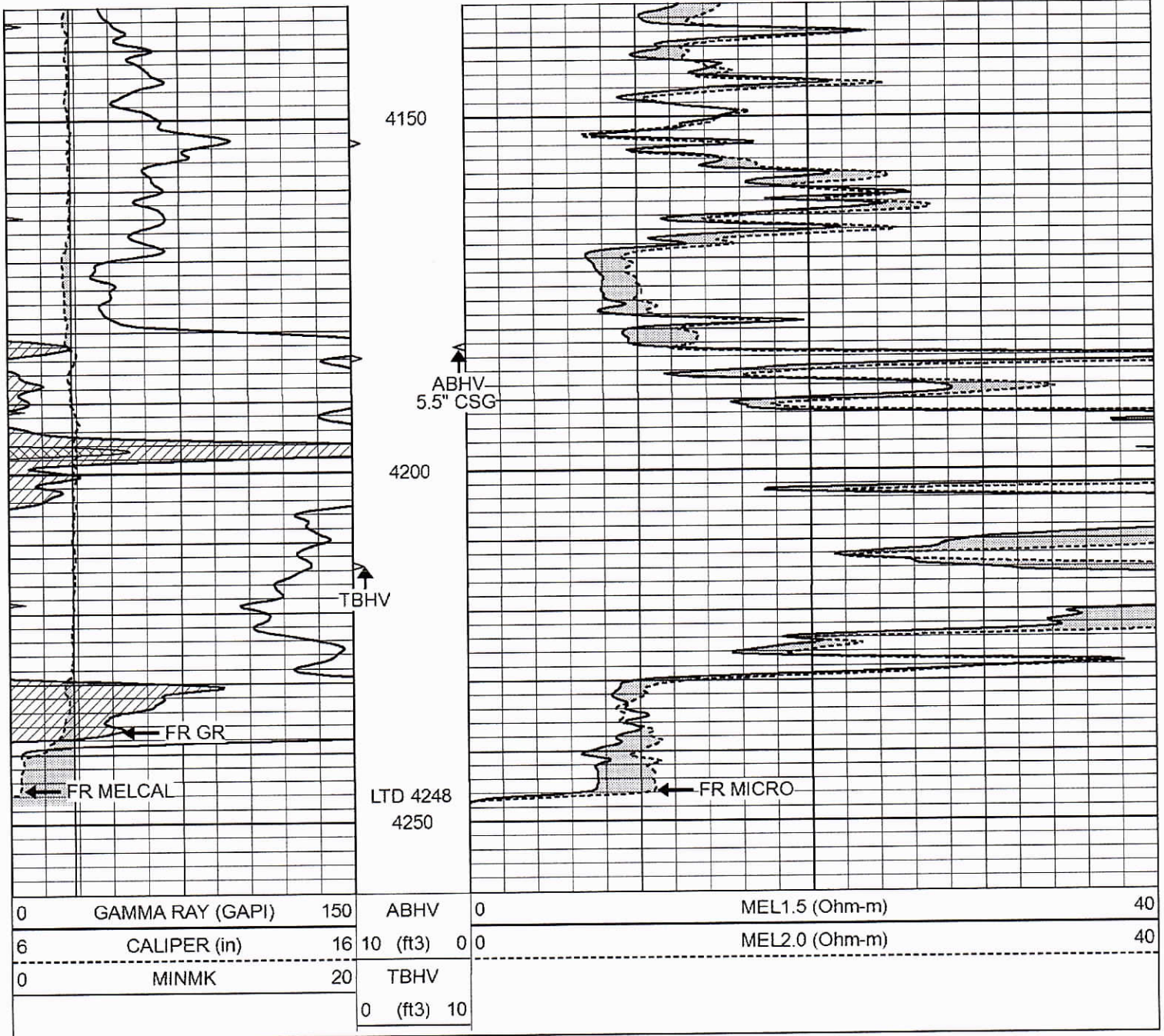
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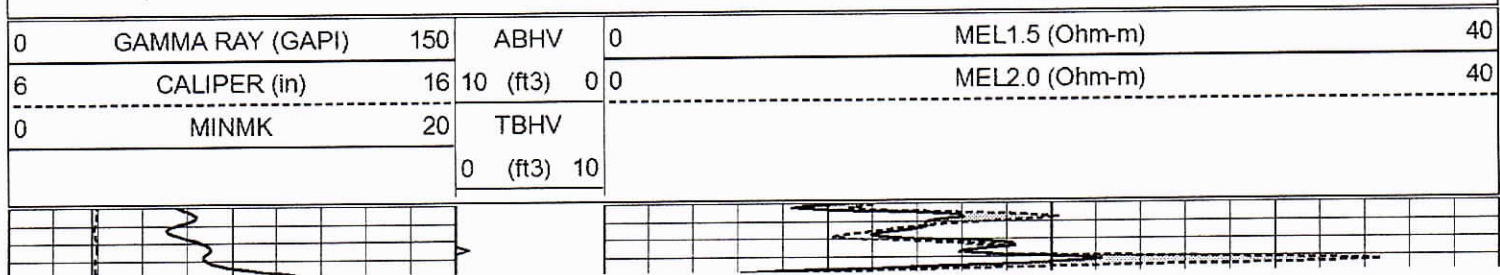
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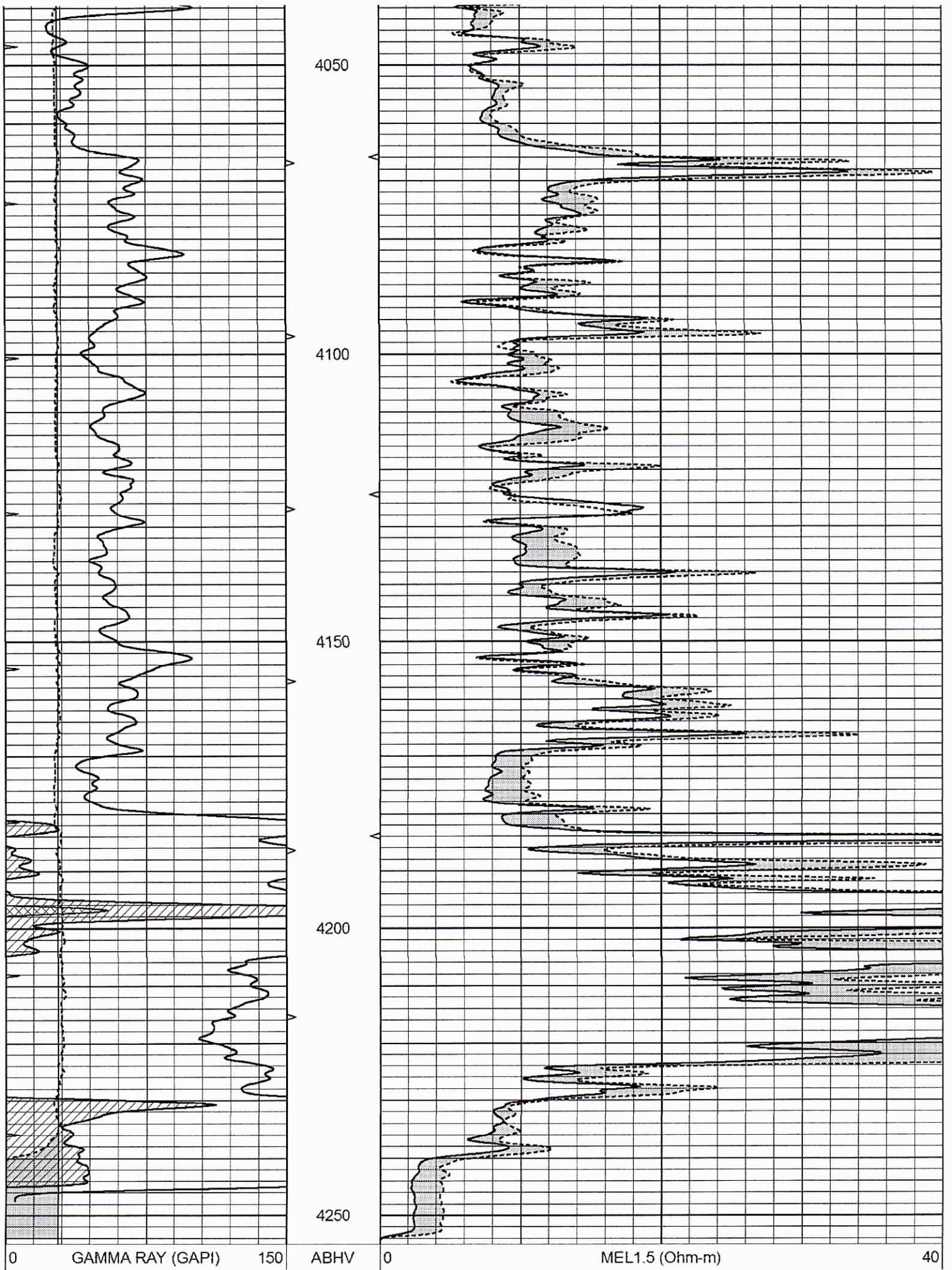




REPEAT SECTION

Database File: 26536ddn.db
 Dataset Pathname: pass5.2
 Presentation Format: _micro
 Dataset Creation: Thu Feb 12 22:42:58 2015 by Calc Open-Cased 090629
 Charted by: Depth in Feet scaled 1:240





6	CALIPER (in)	16	10 (ft3)	0	0	MEL2.0 (Ohm-m)	40
0	MINMK	20	TBHV				
			0 (ft3)	10			

Calibration Report

Database File: 26536ddn.db
Dataset Pathname: pass5.2
Dataset Creation: Thu Feb 12 22:42:58 2015 by Calc Open-Cased 090629

MICRO Calibration Report

Serial Number: MICRO3
Tool Model: PROBE
Performed: Thu Nov 17 03:06:31 2011

Caliper Calibration:	Gain=3.916	Offset=-9.471
	Low Cal	High Cal
References	8.000	14.000
Readings	4.257	5.789

1.5" Calibration:	Gain=105.000	Offset=0.000
	Low Cal	High Cal
References	0.000	20.000
Readings	0.004	0.228

2" Calibration:	Gain=150.553	Offset=-1.220
	Low Cal	High Cal
References	0.000	20.000
Readings	0.005	0.175

Gamma Ray Calibration Report

Serial Number: GR6
Tool Model: OPEN
Performed: Wed Dec 10 11:09:24 2014

Calibrator Value:	150.0	GAPI
Background Reading:	0.0	cps
Calibrator Reading:	276.0	cps
Sensitivity:	0.8000	GAPI/cps



**COMPLETION
& PRODUCTION
SERVICES CO.**

**COMPENSATED
DENSITY/NEUTRON
LOG**

Company PRAIRIE FIRE PETROLEUM, LLC.
Well VOTAPKA #1-28
Field
County DECATUR
State KANSAS

Company PRAIRIE FIRE PETROLEUM, LLC.
Well VOTAPKA #1-28
Field
County DECATUR State KANSAS

Location: API #: 15-039-21211-0000

385' FNL & 1600' FEL

SEC 28 TWP 1S RGE 28W

Permanent Datum GROUND LEVEL Elevation 2697
Log Measured From KELLY BUSHING 10' A.G.L.
Drilling Measured From KELLY BUSHING

Other Services
DILMEL

Elevation
K.B. 2707
D.F. 2705
G.L. 2697

Date	2/12/15		
Run Number	ONE		
Depth Driller	4250		
Depth Logger	4258		
Bottom Logged Interval	4234		
Top Log Interval	3300		
Casing Driller	8 5/8" @ 275		
Casing Logger			
Bit Size	7 7/8"		
Type Fluid in Hole	CHEMICAL MUD	CHLORIDES 2000 PPM	
Density / Viscosity	9.3/55		
pH / Fluid Loss	9.5/8.8		
Source of Sample	FLOWLINE		
Rm @ Meas. Temp	1.0 @ 65F		
Rmf @ Meas. Temp	.75 @ 65F		
Rmc @ Meas. Temp	1.20 @ 65F		
Source of Rmf / Rmc	MEASUREMENT		
Rm @ BHT	.54 @ 118F		
Time Circulation Stopped	2 HOURS		
Time Logger on Bottom			
Maximum Recorded Temperature	118F		
Equipment Number	4010		
Location	HAYS, KANSAS		
Recorded By	JASON CAPPELLUCCI		
Witnessed By	ANTHONY LUNA		

<<< Fold Here >>>

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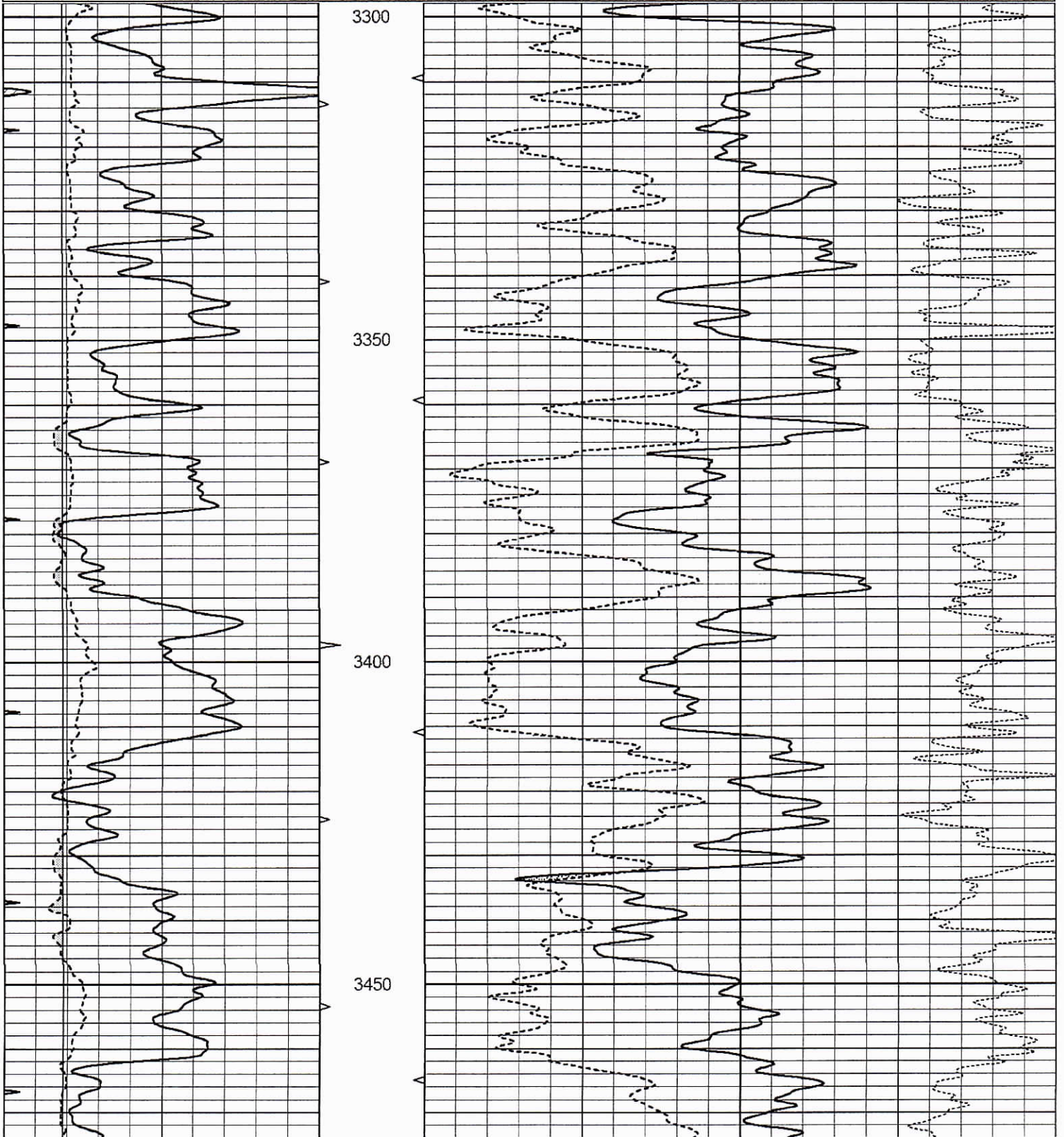


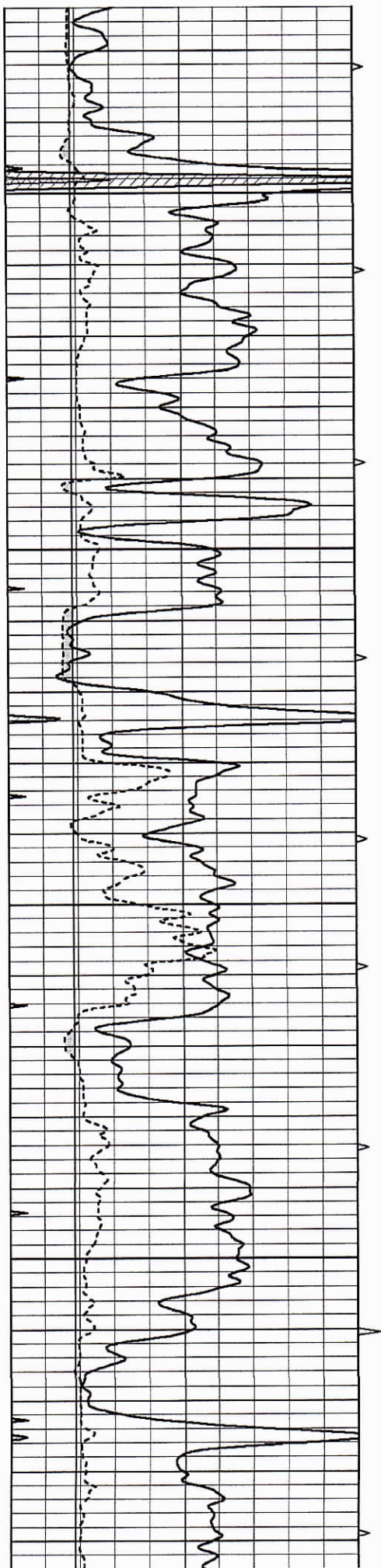
MAIN SECTION

SERVICES CO.

Database File: 26536ddn.db
 Dataset Pathname: pass3.1
 Presentation Format: den_neu
 Dataset Creation: Thu Feb 12 20:39:04 2015 by Calc Open-Cased 090629
 Charted by: Depth in Feet scaled 1:240

0	GAMMA RAY (GAPI)	150	ABHV	30	COMPENSATED DENSITY (pu)	-10
6	CALIPER (in)	16	10 (ft3)	0 30	COMPENSATED NEUTRON (pu)	-10
0	MINMK	20	TBHV		-0.25 CORRECTION (g/cc)	0.25
			0 (ft3)	10		



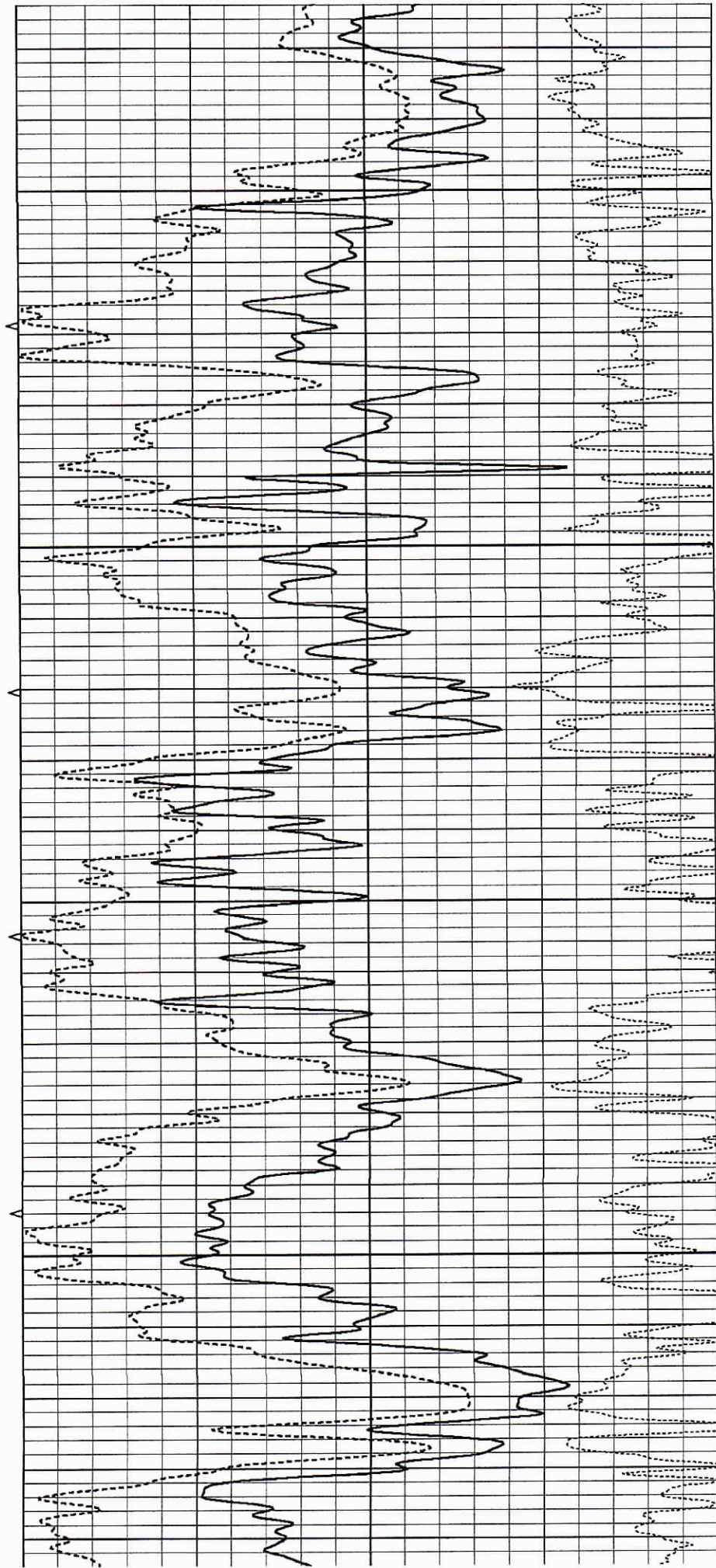


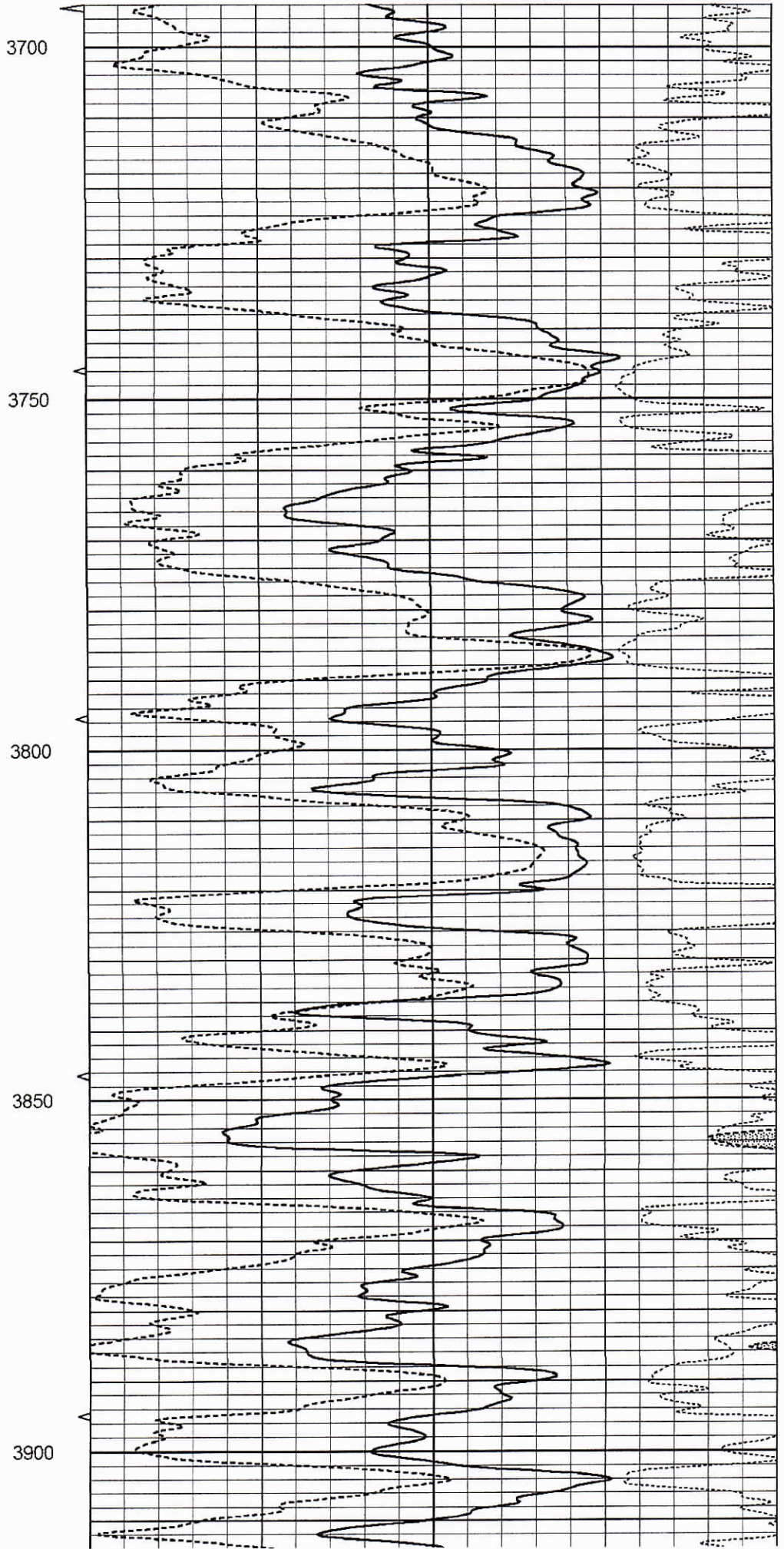
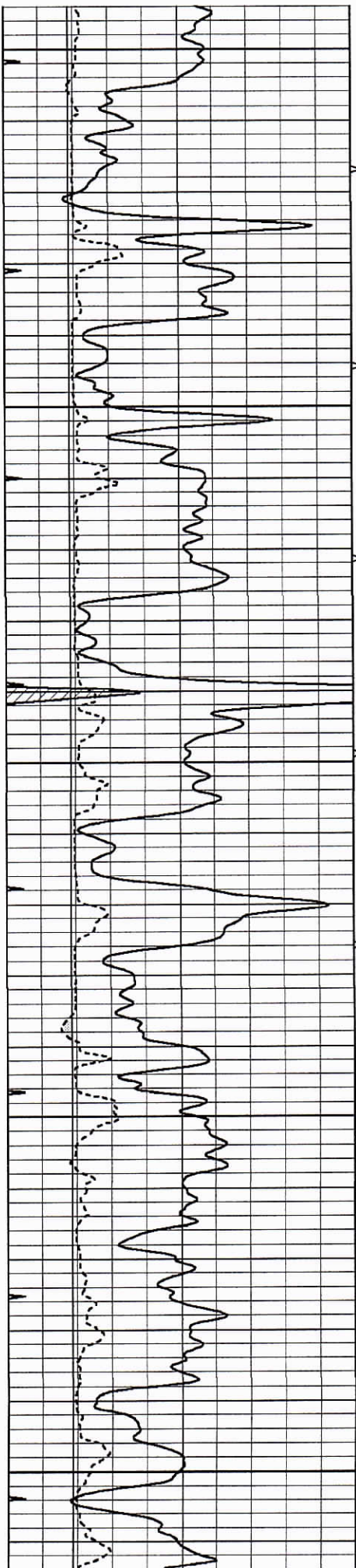
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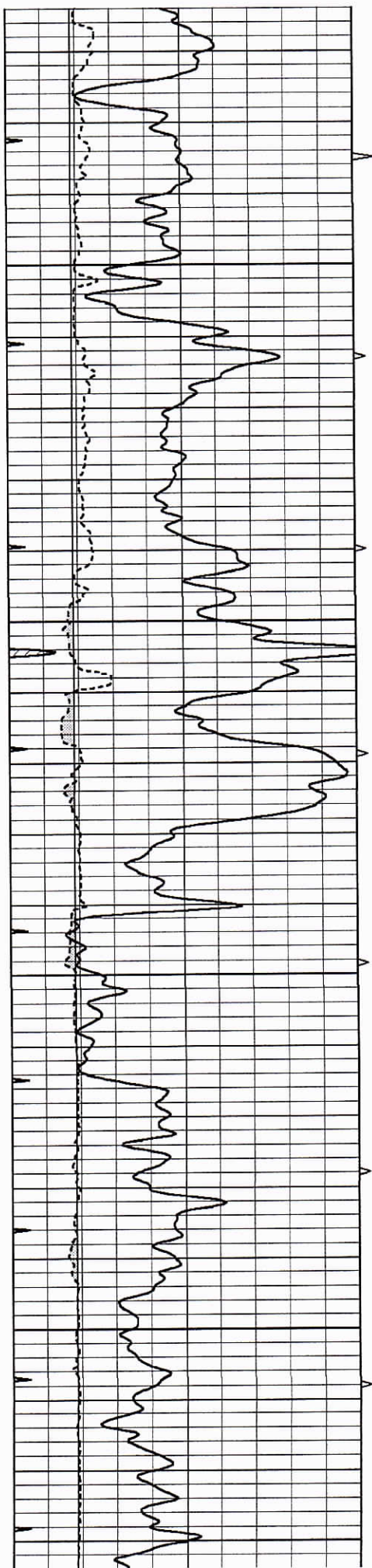
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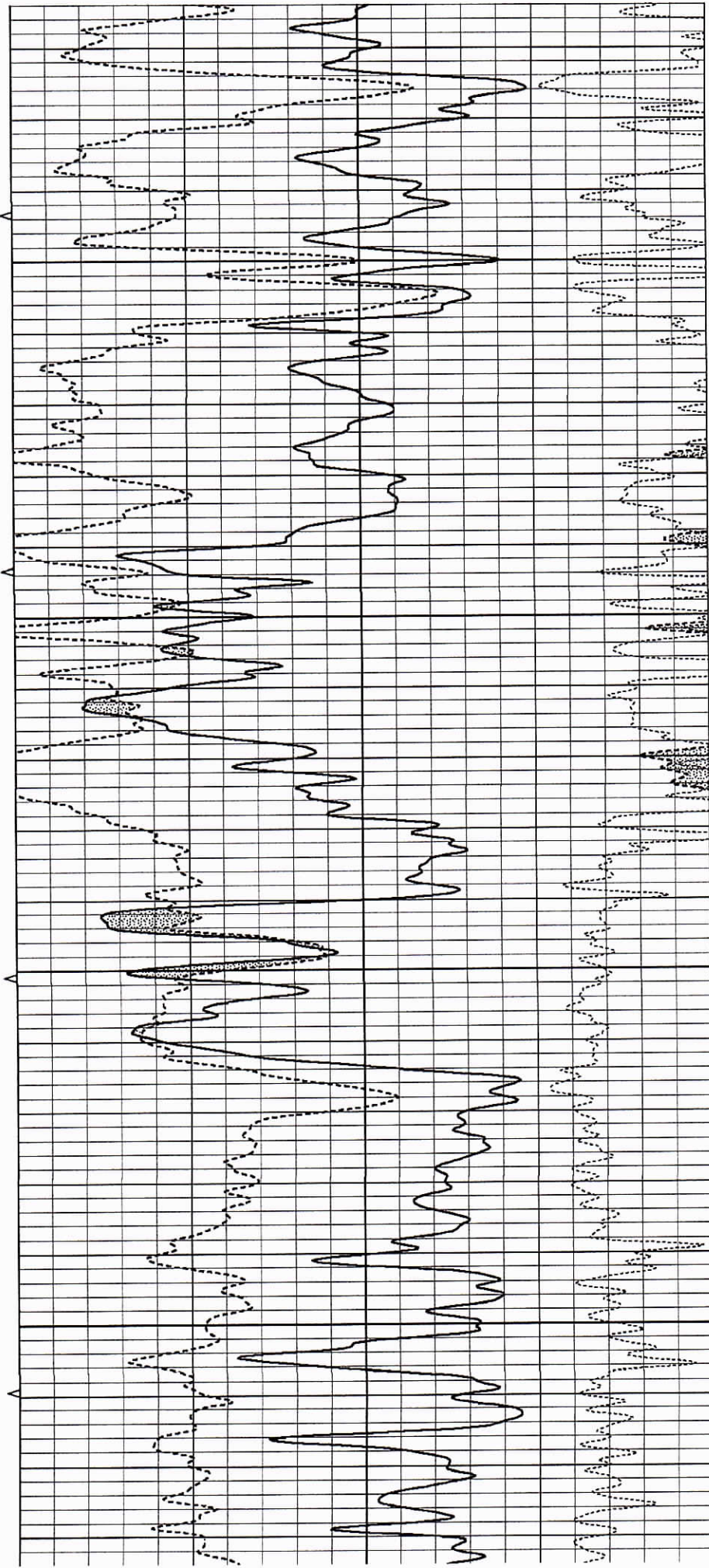


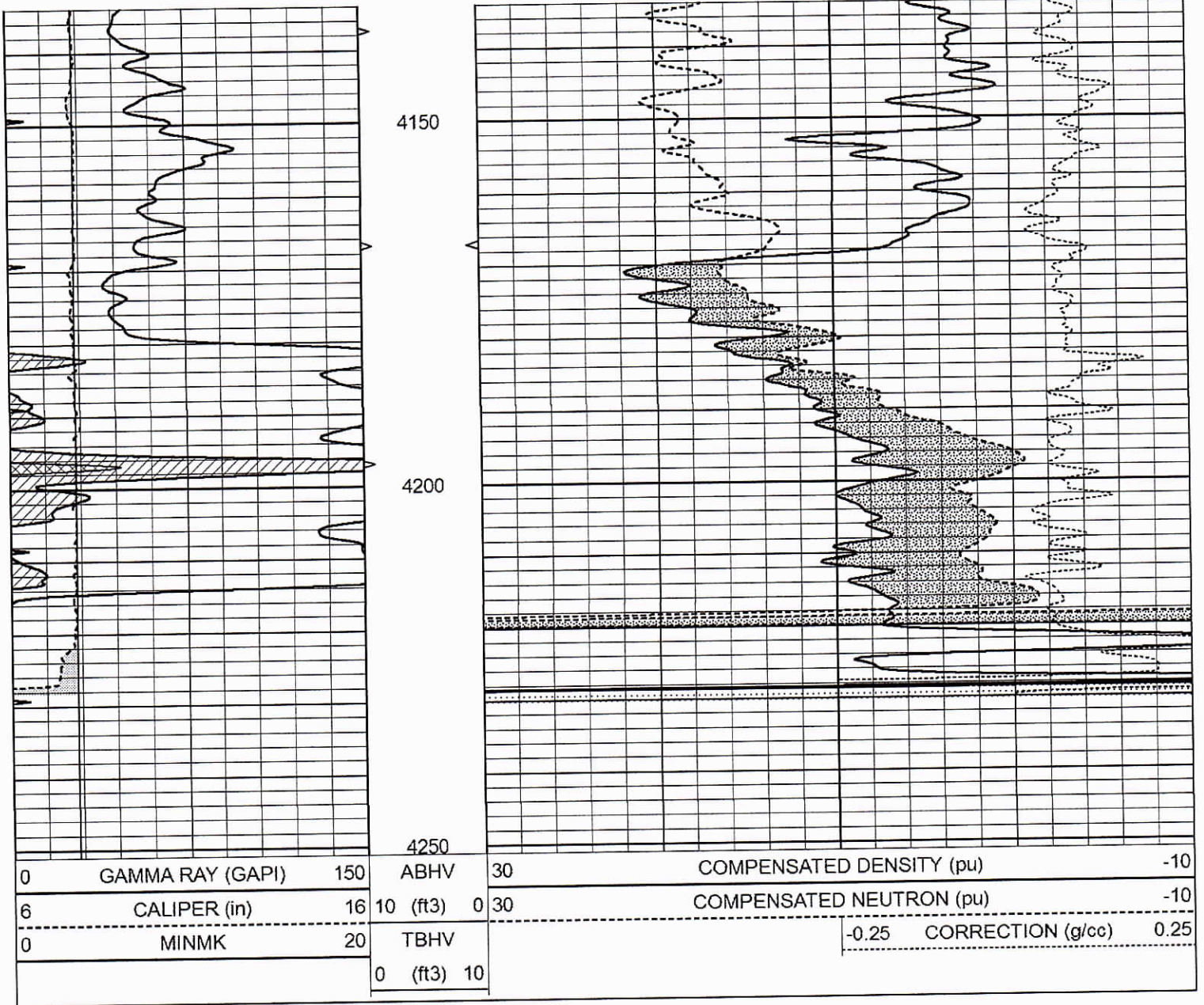
3950

4000

4050

4100







REMIT TO
 Consolidated Oil Well Services, LLC
 Dept:970
 P.O.Box 4346
 Houston, TX 77210-4346

MAIN OFFICE

P.O.Box884
 Chanute, KS 66720
 620/431-9210, 1-800/467-8676
 Fax 620/431-0012

Invoice

Invoice# 803337

Invoice Date: 02/10/15

Terms: Net 30

Page 1

PRAIRIE FIRE PETROLEUM, LLC

P.O. BOX 38
 NORTON KS 67654-0038
 USA
 7858744840

VOTAPKA # 1-28

Part No	Description	Quantity	Unit Price	Discount(%)	Total
5401S	Cement Pump Truck - Surface	1.000	1,150.0000	15.000	977.50
5406	Mileage Charge	75.000	5.2500	15.000	334.69
5407A	Ton Mileage Delivery Charge	1.000	1,172.0600	15.000	996.25
1104S	Class A Cement	190.000	18.5500	15.000	2,995.83
1102	Calcium Chloride (50#)	536.000	0.9400	15.000	428.26
1118B	Premium Gel / Bentonite	357.000	0.2700	15.000	81.93
1111	Sodium Chloride (Granulated Salt)	100.000	0.0000	0.000	0.00

Subtotal 6,840.54

Discounted Amount 1,026.08

SubTotal After Discount 5,814.46

Amount Due 7,135.46 If paid after 03/12/15

Tax: 250.68

Total: 6,065.14

8-5/8" SURFACE CASING

2-12-15
 #2887

1:30P

2078 JM

PO 3113

5304



CONSOLIDATED
Oil Well Services, LLC

2022 FT
Invoice #803337

TICKET NUMBER 47800
LOCATION Oakley Ks
FOREMAN Jerry Y

PO Box 884, Chanute, KS 66720
620-431-9210 or 800-467-8676

FIELD TICKET & TREATMENT REPORT

CEMENT

DATE	CUSTOMER #	WELL NAME & NUMBER	SECTION	TOWNSHIP	RANGE	COUNTY
2-6-15	6404	Hotapka #7	28	15	28W	Decatur
CUSTOMER: Prairie Fire Petro Oberlin						
MAILING ADDRESS			TRUCK #	DRIVER	TRUCK #	DRIVER
CITY			731	Jeremy R		4hr
STATE			693	Rob S		
ZIP CODE						

JOB TYPE Surface HOLE SIZE 12 1/4 HOLE DEPTH 275 CASING SIZE & WEIGHT 8 5/8 24#
 CASING DEPTH 269 DRILL PIPE _____ TUBING _____ OTHER _____
 SLURRY WEIGHT 14.8 SLURRY VOL. 1.24 WATER gal/sk _____ CEMENT LEFT in CASING 20'
 DISPLACEMENT 15 1/2 DISPLACEMENT PSI _____ MIX PSI _____ RATE _____

REMARKS: Safety meeting on rig upon Val 7 break circulation with rig free mix 190 sks com class A cement 306 CC 2% gel wash up & displace with 15 1/2 bbl freshwater & shut in. circulated approx 5 bbl to pit

Cement did circulate

Thank you Jerry & crew

ACCOUNT CODE	QUANTITY or UNITS	DESCRIPTION of SERVICES or PRODUCT	UNIT PRICE	TOTAL
54015	1	PUMP CHARGE	1150.00	1150.00
5406	75	MILEAGE	5.25	393.75
5407A	8.93	for mileage delivery	1.25	112.06
11045	190 sks	class A cement	18.55	3524.50
1102	536 #	calcium chloride	94	503.84
1118b	357 #	gel	27	96.39
111	100 #	salt	NC	NC
			subtotal	6840.54
			less 15% disc.	1026.08
			subtotal	5814.46
			SALES TAX	250.108
			ESTIMATED TOTAL	6065.14

Ravin 3737

AUTHORIZATION

Jerry Y

TITLE

DATE

I acknowledge that the payment terms, unless specifically amended in writing on the front of the form or in the customer's account records, at our office, and conditions of service on the back of this form are in effect for services identified on this form.



REMIT TO
 Consolidated Oil Well Services, LLC
 Dept:970
 P.O.Box 4346
 Houston, TX 77210-4346

MAIN OFFICE

P.O.Box884
 Chanute, KS 66720
 620/431-9210, 1-800/467-8676
 Fax 620/431-0012

Invoice

Invoice# 803396

Invoice Date: 02/16/15

Terms: Net 30

Page 1

PRAIRIE FIRE PETROLEUM, LLC

P.O. BOX 38
 NORTON KS 67654-0038
 USA
 7858744840

VOTAPKA # 1-28

Part No	Description	Quantity	Unit Price	Discount(%)	Total
5405N	P & A New Wells	1.000	1,395.0000	15.000	1,185.75
5406	Mileage Charge	75.000	5.2500	15.000	334.69
5407A	Ton Mileage Delivery Charge	1.000	1,439.8100	15.000	1,223.84
1131	60/40 Poz Mix	255.000	15.8600	15.000	3,437.66
1118B	Premium Gel / Bentonite	877.000	0.2700	15.000	201.27
1107	Flo-Seal	64.000	2.9700	15.000	161.57
4432	8 5/8 Wooden Plug	1.000	100.7500	15.000	85.64
1111	Sodium Chloride (Granulated Salt)	100.000	0.0000	0.000	0.00

Subtotal 7,800.48
 Discounted Amount 1,170.07
 SubTotal After Discount 6,630.41

Amount Due 8,127.37 If paid after 03/18/15

Tax: 277.86
 Total: 6,908.28

PLUG TO ABANDON

2896
 2-20-15

4A

2140

9A



CONSOLIDATED
Oil Well Services, LLC

PO Box 884, Chanute, KS 66720
620-431-9210 or 800-467-8676

FIELD TICKET & TREATMENT REPORT
CEMENT

TICKET NUMBER 47803
LOCATION Ogkley Ks
FOREMAN Jerry Y

2082
Invoice # 803396

DATE	CUSTOMER #	WELL NAME & NUMBER	SECTION	TOWNSHIP	RANGE	COUNTY
2-13-15	6404	Votapka # 7	28	15	28W	Decatur
CUSTOMER <u>Prairie Fire Petro</u>			Oberlin North to 8n East 3 1/2 S into			
MAILING ADDRESS			TRUCK #	DRIVER	TRUCK #	DRIVER
CITY			<u>731</u>	<u>Jeremy R</u>	<u>693</u>	<u>Colin S</u>
STATE						
ZIP CODE						

JOB TYPE DTA HOLE SIZE 7 1/8 HOLE DEPTH 4250 CASING SIZE & WEIGHT _____
 CASING DEPTH _____ DRILL PIPE 4 1/2 TUBING _____ OTHER _____
 SLURRY WEIGHT 13.8 SLURRY VOL 1.42 WATER gal/sk _____ CEMENT LEFT in CASING _____
 DISPLACEMENT _____ DISPLACEMENT PSI _____ MIX PSI _____ RATE _____

REMARKS: Safety meeting - rig up on Val 7 plug as ordered with 255 sks
60/40 poz mix 4% gel 1/4 # of 10 seal prsk.
50 sks @ 2380'
100 sks @ 1550'
50 sks @ 315'
10 sks @ 40' w 8 5/8 wiper plug
15 sks MH 30 Rh

*Thank you
Jerry & crew*

ACCOUNT CODE	QUANTITY or UNITS	DESCRIPTION of SERVICES or PRODUCT	UNIT PRICE	TOTAL
5405N	1	PUMP CHARGE	1395.00	1395.00
5406	75	MILEAGE	5.25	393.75
5407A	10.97	ton mileage delivery	1.25	1439.81
1131	255 sks	60/40 poz mix	15.86	4044.39
1186	877 #	gel	27	236.79
1107	64 #	10 seal	2.97	190.08
4432	1	8 5/8 wiper plug	100.25	100.25
1111	100 #	salt	NC	NC
			Subtotal	7800.53
			- 15% disc	1170.08
			Subtotal	6630.45
			SALES TAX	277.86
			ESTIMATED TOTAL	6908.28

Ravin 3737

AUTHORIZATION [Signature] TITLE _____ DATE _____

I acknowledge that the payment terms, unless specifically amended in writing on the front of the form or in the customer's account records, at our office, and conditions of service on the back of this form are in effect for services identified on this form.