



KANSAS CORPORATION COMMISSION 1057276
OIL & GAS CONSERVATION DIVISION

Form ACO-1
June 2009
Form Must Be Typed
Form must be Signed
All blanks must be Filled

WELL COMPLETION FORM
WELL HISTORY - DESCRIPTION OF WELL & LEASE

OPERATOR: License # 32211
Name: O'Brien Energy Resources Corp.
Address 1: 18 CONGRESS ST, STE 207
Address 2: _____
City: PORTSMOUTH State: NH Zip: 03801 + 4091
Contact Person: Joseph Forma
Phone: (603) 427-2099
CONTRACTOR: License # 5929
Name: Duke Drilling Co., Inc.
Wellsite Geologist: Peter Debenham
Purchaser: NCRA, DCP

Designate Type of Completion:

- New Well Re-Entry Workover
- Oil WSW SWD SLOW
- 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
- Conv. to GSW
- Plug Back: _____ Plug Back Total Depth _____
- Commingled Permit #: _____
- Dual Completion Permit #: _____
- SWD Permit #: _____
- ENHR Permit #: _____
- GSW Permit #: _____

<u>2/5/2011</u>	<u>2/13/2011</u>	<u>5/23/2011</u>
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

API No. 15 - 15-119-21280-00-00

Spot Description: _____

E2 NW NE Sec. 11 Twp. 34 S. R. 30 East West

660 Feet from North / South Line of Section

1650 Feet from East / West Line of Section

Footages Calculated from Nearest Outside Section Corner:

- NE NW SE SW

County: Meade

Lease Name: HULL Well #: 2-11

Field Name: _____

Producing Formation: Morrow

Elevation: Ground: 2676 Kelly Bushing: 2680

Total Depth: 6387 Plug Back Total Depth: _____

Amount of Surface Pipe Set and Cemented at: 1490 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: 2500 ppm Fluid volume: 1000 bbls

Dewatering method used: Hauled to Disposal

Location of fluid disposal if hauled offsite: _____

Operator Name: Dillco

Lease Name: Sneed License #: 6652

Quarter NW Sec. 14 Twp. 34 S. R. 30 East West

County: Meade Permit #: D27876

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

- Letter of Confidentiality Received
Date: _____
- Confidential Release Date: _____
- Wireline Log Received
- Geologist Report Received
- UIC Distribution
- ALT I II III Approved by: Deanna Garrisor Date: 06/14/2011



1057276

Operator Name: O'Brien Energy Resources Corp. Lease Name: HULL Well #: 2-11
 Sec. 11 Twp. 34 S. R. 30 East West County: Meade

INSTRUCTIONS: Show important tops and base 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. Attach complete copy of all Electric Wire-line Logs surveyed. Attach final geological well site report.

Drill Stem Tests Taken <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <i>(Attach Additional Sheets)</i> Samples Sent to Geological Survey <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Cores Taken <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Electric Log Run <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Electric Log Submitted Electronically <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <i>(If no, Submit Copy)</i> List All E. Logs Run: Array Induction Neutron/ Density Microlog	<input type="checkbox"/> Log Formation (Top), Depth and Datum <input checked="" type="checkbox"/> Sample Name Top Datum Attached Attached Attached
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CASING RECORD <input checked="" 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
SURFACE	12.25	8.625	24	1491	acon/premium	510	3%CaCl ₂ , .25#floseal
PRODUCTION	7.8750	4.5	10.5	6095	AA2/premium	225	

ADDITIONAL CEMENTING / SQUEEZE RECORD				
Purpose:	Depth Top Bottom	Type of Cement	# Sacks Used	Type and Percent Additives
___ Perforate				
___ Protect Casing				
___ Plug Back TD				
___ Plug Off Zone				

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
2	5872-5884	acidize w/1000 gals NEFE 7.5% HCl	PERFS
		frac w/33,600# 20/40 sand, 730 bbl flush wtr	PERFS

TUBING RECORD: Size: <u>2 3/8</u> Set At: <u>5825</u> Packer At: <u>5820</u> Liner Run: <input type="checkbox"/> Yes <input type="checkbox"/> No	
Date of First, Resumed Production, SWD or ENHR. <u>5/24/2011</u>	Producing Method: <input checked="" type="checkbox"/> Flowing <input type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other <i>(Explain)</i> _____
Estimated Production Per 24 Hours	Oil Bbls. <u>5</u> Gas Mcf <u>100</u> Water Bbls. <u>0</u> Gas-Oil Ratio <u>20</u> Gravity _____

DISPOSITION OF GAS: <input type="checkbox"/> Vented <input checked="" 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 checked="" 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	O'Brien Energy Resources Corp.
Well Name	HULL 2-11
Doc ID	1057276

Tops

Name	Top	Datum
COUNCIL GROVE	3078	-398
HEEBNER	3188	-508
TORONTO	4502	-1822
LANSING	4634	-1954
KANSAS CITY	5094	-2414
MARMATON	5274	-2594
NOVINGER	5326	-2646
CHEROKEE	5480	-2800
MORROW	5820	-3140
MORROW "B" SS	5872	-3192
MISSISSIPPI CHESTER	5900	-3220
ST.LOUIS	6232	-3552



BASIC
ENERGY SERVICES
PRESSURE PUMPING & WIRELINE

1700 S. Country Estates Rd.
P.O. Box 129
Liberal, Kansas 67905
Phone 620-624-2277

FIELD SERVICE TICKET
1717 01447 A

DATE _____ TICKET NO. _____

DATE OF JOB: 2-19-11	DISTRICT: 1717	NEW WELL: <input checked="" type="checkbox"/>	OLD WELL: <input type="checkbox"/>	PROD: <input type="checkbox"/>	INJ: <input type="checkbox"/>	WDW: <input type="checkbox"/>	CUSTOMER ORDER NO.:			
CUSTOMER: C. Union Energy		LEASE: Mar 11		WELL NO. 2-11						
ADDRESS:		COUNTY: Lawrence		STATE: KS						
CITY:		STATE:		SERVICE CREW: [unclear]						
AUTHORIZED BY: Bennett JRB		JOB TYPE: 2 1/2" 3 1/2" L.S.								
EQUIPMENT#	HRS	EQUIPMENT#	HRS	EQUIPMENT#	HRS	TRUCK CALLED	DATE	AM	PM	TIME
21755	4						2-11			01:00
21758	4						2-11			12:00
19553	4						2-11			13:00
21741	4						2-11			13:00
21911	4						2-11			16:00
						MILES FROM STATION TO WELL	32			

CONTRACT CONDITIONS: (This contract must be signed before the job is commenced or merchandise is delivered).

The undersigned is authorized to execute this contract as an agent of the customer. As such, the undersigned agrees and acknowledges that this contract for services, materials, products, and/or supplies includes all of and only those terms and conditions appearing on the front and back of this document. No additional or substitute terms and/or conditions shall become a part of this contract without the written consent of an officer of Basic Energy Services LP.

SIGNED: *[Signature]*
(WELL OWNER, OPERATOR, CONTRACTOR OR AGENT)

ITEM PRICE REF. NO.	MATERIAL, EQUIPMENT AND SERVICES USED	UNIT	QUANTITY	UNIT PRICE	\$ AMOUNT
21100	Ironman	SK	50		800.00
21105	AAZ	SK	925		4095.00
21111	Ironman	SK	1060		795.00
21111	2 1/2"	SK	1276		624.00
21111	C-11	SK	128		1600.00
21111	C-11P	SK	53		424.00
21111	Accounts	SK	1023		752.41
21102	Top Plug	SK	1		80.00
21102	Quality's Choice	SK	1		225.00
21102	Truss	SK	1		200.00
21177	Compressor	SK	10		600.00
21520	Top Plug	SK	1		30.00
21521	Fluid Flush	SK	500		430.00
21521	CC-1	SK	4		176.00
2101	Heavy Equip. Mtage	SK	50		350.00
21240	Blending - Mixing Equip. Chrg.	SK	295		385.00
2115	Bulk Delivery	SK	224		518.40
21204	Dwell Chrg. 6001-7100	SK	1		3240.00
21504	Plug Container	job	1		250.00
SUB.TOTAL					11,726.24
SERVICE & EQUIPMENT				%TAX ON \$	
MATERIALS				%TAX ON \$	
TOTAL					

CHEMICAL/ACID DATA:			

SERVICE REPRESENTATIVE: *[Signature]* THE ABOVE MATERIAL AND SERVICE ORDERED BY CUSTOMER AND RECEIVED BY: *[Signature]*
(WELL OWNER OPERATOR CONTRACTOR OR AGENT)

FIELD SERVICE ORDER NO. _____



BASIC
ENERGY SERVICES
Liberal, Kansas

Cement Report

Customer <i>Obrien Energy</i>	Lease No.	Date <i>2-11-11</i>
Lease <i>Mull</i>	Well # <i>2 11</i>	Service Receipt <i>111701997</i>
Casing <i>4 1/2 16.5</i>	Depth <i>6105</i>	County <i>Wade</i> State <i>Ks</i>
Job Type <i>242 4 1/2 L.S.</i>	Formation	Legal Description <i>11 37 30</i>

Pipe Data		Perforating Data		Cement Data
Casing size <i>4 1/2 16.5</i>	Tubing Size	Shots/Ft		Lead <i>RT + 1 min</i>
Depth <i>6105</i>	Depth	From	To	<i>70-80 Pumps in 10-15 min</i>
Volume	Volume	From	To	<i>1.5-2.0 @ 5-2.5 gpm</i>
Max Press	Max Press	From	To	<i>0.5-1.0 @ 1.5-2.0</i>
Well Connection	Annulus Vol.	From	To	Tail in <i>2550 ADL</i>
Plug Depth	Packer Depth	From	To	<i>57-60 min @ 2.5 gpm</i>

Time	Casing Pressure	Tubing Pressure	Bbls. Pumped	Rate	Service Log
12:00					<i>on loc / Hold 2000y Phosins</i>
12:00					<i>Open on bottom Cir w/Rig</i>
13:06	3000				<i>Test Pump 4 lines</i>
13:07	3000		5	6	<i>Start Fresh H₂O</i>
13:10	5512		12	6	<i>Start Mud flush</i>
13:12	5512		5	6	<i>Start Fresh H₂O</i>
13:14	1100		62	6	<i>Start Port 2250k @ 14.8"</i>
13:22					<i>Shut down & wash up</i>
13:23					<i>Drop Plug</i>
13:27	100		0	6	<i>Start Disp. w/ 27 KOL</i>
13:47	100		86	2	<i>Slow Rate</i>
13:47	1400		96	2	<i>Dump Plug</i>
13:55	0		76	0	<i>Release / Heat</i>
13:50					<i>Rig down in Heat - plan to fill</i>
					<i>Wait on Rig Crew to lay down Repair</i>
14:29	100		4	3	<i>Plug Mouse hole w/ 205k @ 15.0"</i>
14:33			6	3	<i>Plug Rat hole w/ 105k @ 15.0"</i>
14:38					<i>Knock loose & wash up</i>
14:55					<i>End Job</i>
					<i>Pressure before Plug landed</i>

Service Units	<i>21955</i>	<i>180819557</i>	<i>3302119566</i>		
Driver Names	<i>Lockhart</i>	<i>Gibson</i>	<i>Ortiz</i>		

R. Pearson Customer Representative *J. Bennett* Station Manager *M. Lockhart* Cementer



BASIC
ENERGY SERVICES
Liberal, Kansas

Cement Report

Customer: <i>W. B. Smith</i>	Lease No: <i>11-39-30</i>	Date: <i>11-11-71</i>
Lease: <i>11-39-30</i>	Well #: <i>11-39-30-11</i>	Service Receipt: <i>11-17-71</i>
Casing: <i>8 1/2"</i>	Depth: <i>1190'</i>	County: <i>Wade</i>
State: <i>KS</i>	Job Type: <i>2 1/2" 5 1/2" system</i>	Formation: <i>11-39-30</i>
Legal Description: <i>11-39-30</i>		

Pipe Data		Perforating Data		Cement Data
Casing size: <i>8 1/2" 2 1/2"</i>	Tubing Size: <i>JRB</i>	Shots/Ft		Lead: <i>360sk. 11-39-30-11</i>
Depth: <i>1190'</i>	Depth:	From:	To:	<i>3700' - 11-39-30-11</i>
Volume:	Volume:	From:	To:	<i>15.5 gal/ft. 11-39-30-11</i>
Max Press:	Max Press:	From:	To:	Tail in: <i>150sk. 11-39-30-11</i>
Well Connection:	Annulus Vol:	From:	To:	<i>1.7 gal/ft. 11-39-30-11</i>
Plug Depth: <i>1198'</i>	Packer Depth:	From:	To:	<i>14.8 gal/ft. 11-39-30-11</i>

Time	Casing Pressure	Tubing Pressure	Bbls. Pumped	Rate	Service Log
10:00					On loc. / Hold Safety Meeting
10:45					Start Csg.
					Csg. on Bottom 2 in. walking
11:40	2500				Test Pump + lines
11:41	250		187	4	Start Lead Cmt 360sk @ 1194'
11:48	300		36	4	Start Tail Cmt 150sk @ 1198'
11:51					Shutdown + Drop Plug
11:53	160		0	14	Start Disp. w/ fresh H ₂ O
11:57	400		72	2	Slow Rate
12:07	100		72	2	Bump Plug
12:10	0		92	0	Release Pressure / float H ₂ O
					W. B. Smith Reports 1st 2 1/2" H ₂ O
12:30					Enter loc. 1 1/2" H ₂ O
01:10	400		5	1.5	Start Cmt 150sk @ 1198'
01:14	400		36	1.5	Start Cmt 150sk @ 1198'
01:51					CMT to surface
02:05					Shutdown + W. B. Smith
02:15					End Job
	550				Pressure before Plug landed

Service Units: <i>21755</i>	<i>21800/19700</i>	<i>19800/19800</i>	<i>11-39-30-11</i>		
Driver Names: <i>Cochran</i>	<i>Tobson</i>	<i>Stoddard</i>	<i>Parddy</i>		

P. Pearson Customer Representative J. Deane Station Manager M. Cochran Cementer



BASIC
ENERGY SERVICES
PRESSURE PUMPING & WIRELINE

1700 S. Country Estates Rd.
P.O. Box 129
Liberal, Kansas 67905
Phone 620-624-2277

FIELD SERVICE TICKET
1717 01444 A

DATE _____ TICKET#NO. _____

DATE OF JOB: 2-6-11	DISTRICT: 13112	NEW WELL <input checked="" type="checkbox"/>	OLD WELL <input type="checkbox"/>	PROD <input type="checkbox"/>	INJ <input type="checkbox"/>	WDW <input type="checkbox"/>	CUSTOMER ORDER NO.:
CUSTOMER: C. Brown Energy		LEASE: H-11		WELL NO: 2-11			
ADDRESS:		COUNTY: McPherson		STATE: KS			
CITY:		STATE:		SERVICE CREW: [Handwritten Name]			
AUTHORIZED BY: Jerry Bennett TRB		JOB TYPE: 242-898 Surface					
EQUIPMENT#	HRS	EQUIPMENT#	HRS	EQUIPMENT#	HRS	TRUCK CALLED	DATE AM PM TIME
1455	10.5	1455	10.5				2-6 AM 1:30
3798	10.5	14224	10.5			ARRIVED AT JOB	2-6 AM 1:30
4553	10.5					START OPERATION	2-6 AM 7:30
4785	9.5					FINISH OPERATION	2-7 AM 6:15
4988	9.5					RELEASED	2-7 AM 3:30
						MILES FROM STATION TO WELL	30

CONTRACT CONDITIONS: (This contract must be signed before the job is commenced or merchandise is delivered).

The undersigned is authorized to execute this contract as an agent of the customer. As such, the undersigned agrees and acknowledges that this contract for services, materials, products, and/or supplies includes all of and only those terms and conditions appearing on the front and back of this document. No additional or substitute terms and/or conditions shall become a part of this contract without the written consent of an officer of Basic Energy Services LP.

SIGNED: [Signature]
(WELL OWNER, OPERATOR, CONTRACTOR OR AGENT)

ITEM/PRICE REF. NO.	MATERIAL, EQUIPMENT AND SERVICES USED	UNIT	QUANTITY	UNIT PRICE	\$ AMOUNT
2111	Acid Blend	sk	360		6696.00
2112	Premium Plug	sk	300		4890.00
2119	Premium Chloride	lb	15715.89		1615.95
2120	Cell Make	lb	138		473.60
2130	G.S.I.	lb	18		1700.00
CF105	Top Plug	cs	1		225.00
CF293	Grade shoe	cs	1		380.00
CF1403	Insert	cs	1		280.00
CF1493	Reinforced	cs	4		580.00
CF1493	Basket	cs	1		315.00
2101	Heavy Equip. Make-up	hr	15		525.00
2106	Mixing + Mixing Service Plug	sk	710		984.00
2115	Depth Determination	TM	1336.00		1336.00
2132	Depth Charge 1000-2000'	4hr	1		1500.00
2134	Plug Container	job	1		250.00
2100	Pick-up 414-gal	hr	25		106.25
2103	Service Representative	hr	1		175.00
2107	Drum Make-up	cs	1		300.00
2107	Additional Hrs	hr	2		1000.00
SUB-TOTAL:					11175.26

CHEMICAL / ACID DATA:		

SERVICE & EQUIPMENT	%TAX ON \$	
MATERIALS	%TAX ON \$	
TOTAL		

SERVICE REPRESENTATIVE: [Signature] THE ABOVE MATERIAL AND SERVICE ORDERED BY CUSTOMER AND RECEIVED BY: [Signature]

(WELL OWNER OPERATOR CONTRACTOR OR AGENT)

FIELD SERVICE ORDER NO. _____

O'Brien Energy Resources, Inc.

HULL NO. 2-11

Section 11, T34S, R30W

Meade County, Kansas

February, 2010

Well Summary

The O'Brien Energy Resources, Inc., Hull No. 2-11 was drilled to a total depth of 6387' in the Mississippian St. Louis Formation. It was drilled one mile to the NW of the Hull No. 1-12. Substantial structure was noted relative to this offset. The Heebner, Toronto and Lansing ran 27', 28' and 22' high respectively. Further structure was gained as the Kansas City, Marmaton and Novinger came in 52', 55' and 71' high. The Morrow and Chester ran 54' and 46' high and the Ste. Genevieve, 72' high.

Production quality hydrocarbon shows were documented during the drilling of this test. The Marmaton(5294'-5300') and (5308'-5310') consists of a Limestone: Light to medium brown, buff, white, biomicrite, microcrystalline, microsucrosic to sucrosic in part, brittle, clean, chalky in part, very fossiliferous and oolitic with interpartical porosity, trace intercrystalline and vuggy porosity, pale mottled blue and occasional bright yellow hydrocarbon fluorescence in 6% of the samples, good streaming cut, light oil stain, slight oil odor and gas bubbles when crushed. A 450 and a 120 Unit gas increase was associated with the shows.


A similar show although more oomoldic in nature was documented in the upper Novinger(5326'-5330') and associated with a 230 Unit gas increase.

An excellent gas kick of 800 Units occurred in a Morrow Sandstone from 5872' to 5882' and consists of a Sandstone in 40% of the samples: Medium to dark green, mottled brown to green, occasionally light to medium brown and salt and pepper, firm to hard, slightly friable, very fine upper, well sorted subround grains, calcareous and clay cement, abundant green clay infill, occasionally medium brown with fair intergranular and vuggy porosity, dull orange gold hydrocarbon fluorescence in all the sandstone, fair streaming cut, gas bubbles when crushed, slight odor and light mottled oil stain.

Additional minor shows were documented in the Kansas City and St. Louis. A log show was noted in the Council Grove.

4 1/2" production casing was run on the Hull No. 2-11 on 2/14/11.

Respectfully Submitted,



Peter Debenham

WELL DATA

Operator: O'Brien Energy Resources, Inc., John Forma – Portsmouth, NH
Geologist: Paul Wiemann – Denver, CO

Prospect Geologist: Ed Schuett, David Ward, Denver

Well: Hull No. 2-11

Field: Adams Ranch

Location: 660' FNL & 1650' FEL, Section 11, T34S, R30W, Meade County, Kansas – 22 miles SE of Meade.

Elevation: Ground Level 2668', Kelly Bushing 2680'

Contractor: Duke Drilling Rig No. 6, Type: Double jackknife, triple stand, Toolpusher Rick Schollenbarger, Drillers: Terry Sorter, Danny White, Mike Brewer

Company Man: Roger Pearson – Liberal, Kansas

Spud Date: 2/5/2011

Total Depth: 2/13/11, Driller 6387', Logger 6383', Mississippi St. Louis

Casing Program: 35 joints of 8 5/8", J55, 24Lbs/ft, set at 1490'.

Mud Program: Winter Mud, engineer Adam Norris, Displaced 2598', Chemical/LCM.

Wellsite Consultant: Peter Debenham with mudlogging trailer, Call depth 4000', Box 350, Drake, CO 80515, 720/220-4860.

Samples: 20' to TD. Zones of interest saved.

Electric Logs: Weatherford, engineer L. Scott, 1) Array Induction, 2) Neutron/Density, 3) Microlog

Status: 4 1/2" production casing run 2/14/11.

WELL CHRONOLOGY

<u>6 AM</u>	<u>DATE</u>	<u>DEPTH</u>	<u>FOOTAGE</u>	<u>RIG ACTIVITY</u>
	1/31			Move to location and rig up rotary tools. Down for rig repairs.
	2/5	120'	120'	Finish rig up. Pump water and mix spud mud. Drill rathole and mousehole. Spud in 12 1/4" surface hole to 120'.
	2/6	1490'	1370'	Surveys(1/4 deg.). To 1490' and circulate. Drop survey(1/2 deg.) and trip for surface casing. Rig up and run and cement 35 joints of 8 5/8" casing set at 1490' with 510 sacks cement. Wait on cement.
	2/7	2150'	660'	Tagged cement 200' down. Cement through 1" down the backside with 50 sacks cement. Wait on cement. Nipple up and pressure test BOP. Drill plug and cement and drill to 1847' and trip for Bit No. 3(PDC). Drill to 2150'.
	2/8	3205'	1055'	Surveys(1/2 deg.). Displace mud system at 2598' and clean suction. To 3205' and drilling.
	2/9	4075'	870'	
	2/10	4900'	825'	Drilling.
	2/11	5470'	570'	Replace clutch. Survey(3/4 deg.). To 5142' and circulate. Wiper trip to 2500' and circulate. Circulate for samples at 5291', 5322' and 5360'.
	2/12	6210'	740'	Drilling.
	2/13	6387'TD	177'	Drill to 6387'TD with slow returns(app. 100 bbls) and circulate and condition mud. Short trip to 2500' and circulate. Drop survey(1 3/4 deg.) and trip for logs and run elogs. Trip to bottom and circulate.
	2/14	TD		Trip in and circulate. Trip out laying down. Run and cement 4 1/2" production casing. Rig down.

BIT RECORD

<u>NO.</u>	<u>MAKE</u>	<u>TYPE</u>	<u>SIZE</u>	<u>OUT</u>	<u>FOOTAGE</u>	<u>HOURS</u>
1	HTC	GTX	12 1/4"	1490'	1490'	19
2	HTC	GX28	7 7/8"	1847'	357'	6 1/2
3	HTC	Q506F	7 7/8"	6387'	4540'	124 3/4

Total Rotating Hours:

149 3/4

Average:

42.65 Ft/hr

DEVIATION RECORD -- degree

501' ¼, 999 ¼, 1490' ½, 2598' ¾, 4985' ¾, 6387' 1 ¾

MUD PROPERTIES

<u>DATE</u>	<u>DEPTH</u>	<u>WT</u>	<u>VIS</u>	<u>PV</u>	<u>YP</u>	<u>pH</u>	<u>WL</u>	<u>CL</u>	<u>LCM-LBS/BBL</u>
2/6	1381'	9.6	32	6	13	8.0	n/c	500	15
2/7	1817'	9.5	32	6	13	8.0	n/c	650	15
2/8	2644'	8.8	50	16	22	10.0	14	3000	4
2/9	3695'	9.1	38	11	10	8.5	18	8500	2
2/10	4498'	9.1	46	17	10	11.0	10	3800	4
2/11	5141'	9.1	44	16	6	11.0	8.2	3200	4
2/12	5895'	9.1	52	19	17	11.0	6	3500	4
2/13	6387'	9.2	62	24	13	10.5	5.8	2800	12

ELECTRIC LOG FORMATION TOPS- KB Elev. 2680'

<u>FORMATION</u>	<u>DEPTH</u>	<u>DATUM</u>	<u>*Hull No. 1-12</u> <u>DATUM</u>	<u>POSITION</u>
WREF	3078'	-398'	-414'	+16'
Council Groove	3188'	-508'	-526'	+18'
Heebner	4480'	-1800'	-1827'	+27'
Toronto	4502'	-1822'	-1850'	+28'
Lansing	4634'	-1954'	-1976'	+22'
Kansas City	5094'	-2414'	-2566'	+52'
Marmaton	5274'	-2594'	-2649'	+55'
Novinger	5326'	-2646'	-2717'	+71'
Cherokee	5480'	-2800'	-2828'	+28'
Atoka	5768'	-3088'	-3132'	+44'
Morrow	5820'	-3140'	-3194'	+54'
Morrow "B" SS	5872'	-3192'	-3234'	+42'
Mississippi Chester	5900'	-3220'	-3281'	+46'
Ste Genevieve	6140'	-3460'	-3532'	+72'
St. Louis	6232'	-3552'	NDE	
TD	6387	-3707'		

*O'Brien Energy, Hull No. 1-12, 660' FSL & 1320' FWL, sec. 12 - app. 1 mile to the SE, K.B. Elev. 2666'.

Petrolific Consulting Services

Peter Debenham

P.O. Box 350
Drake, Colorado 80515

Wellsite Geology

720/220-4860
petrolific@earthlink.net

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

Well Name: O'Brien Energy, Hull No. 2-11, Adams Ranch Field
 Location: 660'FNL & 1650'FEL, Section 11, 34S, R30W, Meade Co., KS
 Licence Number: API: 15-118-21280 Region: Hougoton
 Spud Date: 2/5/11 Drilling Completed: 2/13/11
 Surface Coordinates: 660'FNL & 1650'FEL, Section 11, 34S, R30W, Meade Co., KS

Bottom Hole Coordinates: 660'FNL & 1650'FEL, Section 11, 34S, R30W, Meade Co., KS
 Ground Elevation (ft): 2668' K.B. Elevation (ft): 2680'
 Logged Interval (ft): 3900' To: TD Total Depth (ft): 6387'
 Formation: Lansing, K.C., Marmaton, Morrow, Chester, Ste. Genevieve, St. Louis
 Type of Drilling Fluid: Chemical Gel/LSND/LCM, displaced 2598'

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

OPERATOR

Company: O'Brien Energy Resources, Corp.
 Address: 18 Congress St., Suite 207
 Portsmouth, NH 03801
 President/Owner John Forma, Geologist Paul Wiemann

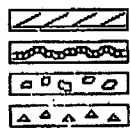
GEOLOGIST

Name: Wellsite: Peter Debenham
 Company: Petrolific Consulting Services
 Address: P.O. Box 350
 Drake, CO 80515
 720/220-4860, Petrolific@gmail.com

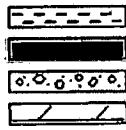
Comments

Engineer Roger Pearson, Duke Drilling Rig No. 6, T.P. Rick Schollenbarger, Drillers Terry Sorter, Danny White, Mike Brewer, Weatherford Logs, engineer L. Scott, Winter Mud engineer Adam Norris, 4 1/2" production casing run 2/14/2011.

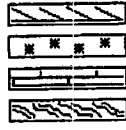
ROCK TYPES



Anhy
Bent
Brec
Cht



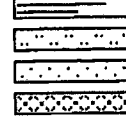
Clyst
Coal
Congl.
Dol



Gyp
Igne
Lmst
Meta



Mrist
Salt
Shale
Shcol



Shgy
Sltst
Ss
Till

ACCESSORIES

FOSSIL

- Algae
- Amph
- Belm
- Bioclst
- Brach
- Bryozoa
- Cephal
- Coral
- Crin
- Echin
- Fish
- Foram
- Fossil
- Gastro
- Oolite

- Ostra
- Pelec
- Pellet
- Pisolite
- Plant
- Strom

MINERAL

- Anhy
- Arggrn
- Arg
- Bent
- Bit
- Breclrag
- Calc
- Carb

- Chtdk
- Chtlt
- Dol
- Feldspar
- Ferrpel
- Ferr
- Glau
- Gyp
- Hvymin
- Kaol
- Marl
- Minxl
- Nodule
- Phos
- Pyr
- Salt

- Sandy
- Silt
- Sil
- Sulphur
- Tuff

STRINGER

- Anhy
- Arg
- Bent
- Coal
- Dol
- Gyp
- Ls
- Mrst
- Sltstrg

- Ssstrg

TEXTURE

- Boundst
- Chalky
- Cryxln
- Earthy
- Finexln
- Grainst
- Lithogr
- Microxln
- Mudst
- Packst
- Wackest

OTHER SYMBOLS

INTERVALS

- Core
- Dst

EVENTS

- Rft
- Sidewall

POROSITY TYPE

- Earthy
- Fenest
- Fracture
- Inter
- Moldic
- Organic

- Pinpoint
- Vuggy

SORTING

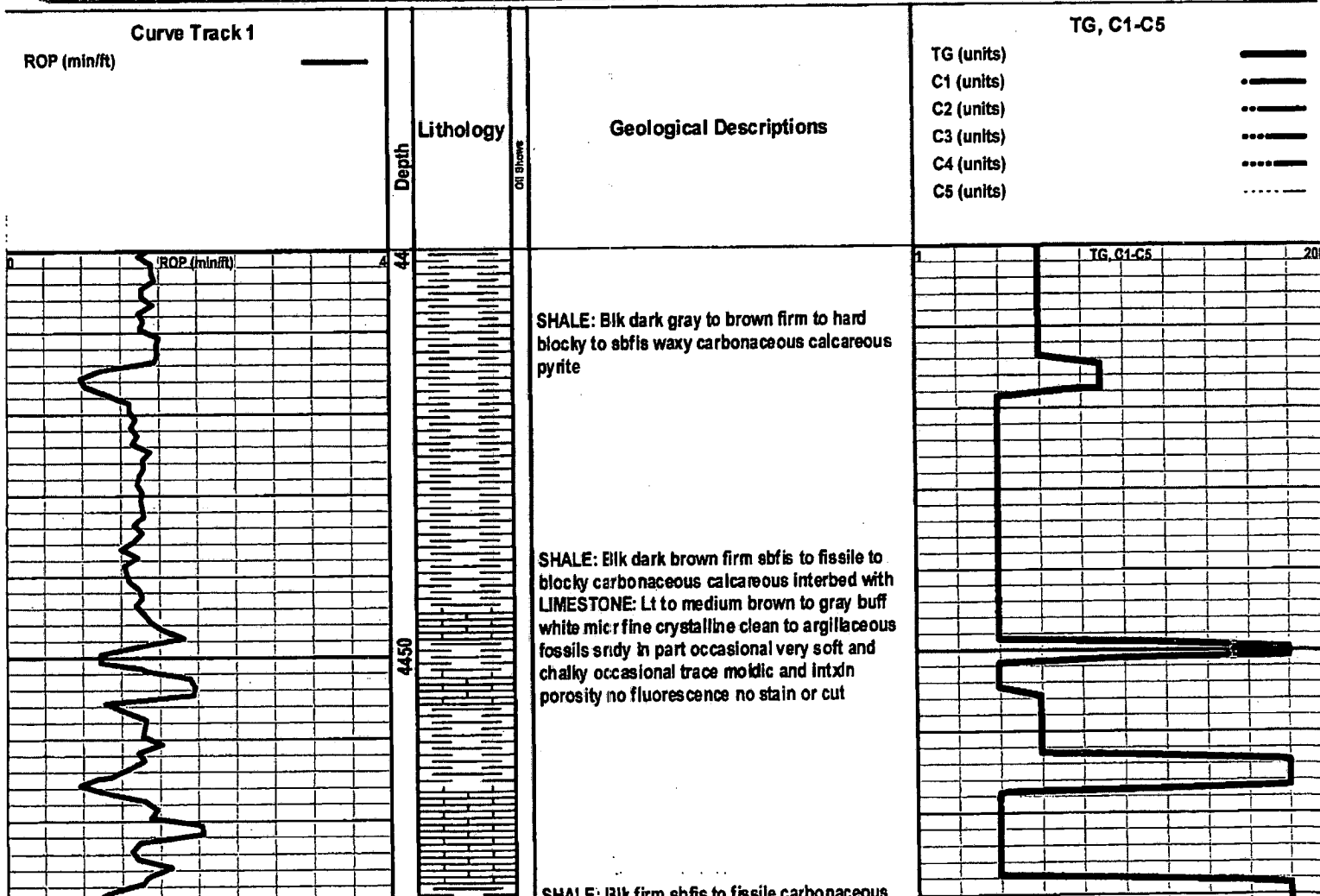
- Well
- Moderate
- Poor

ROUNDING

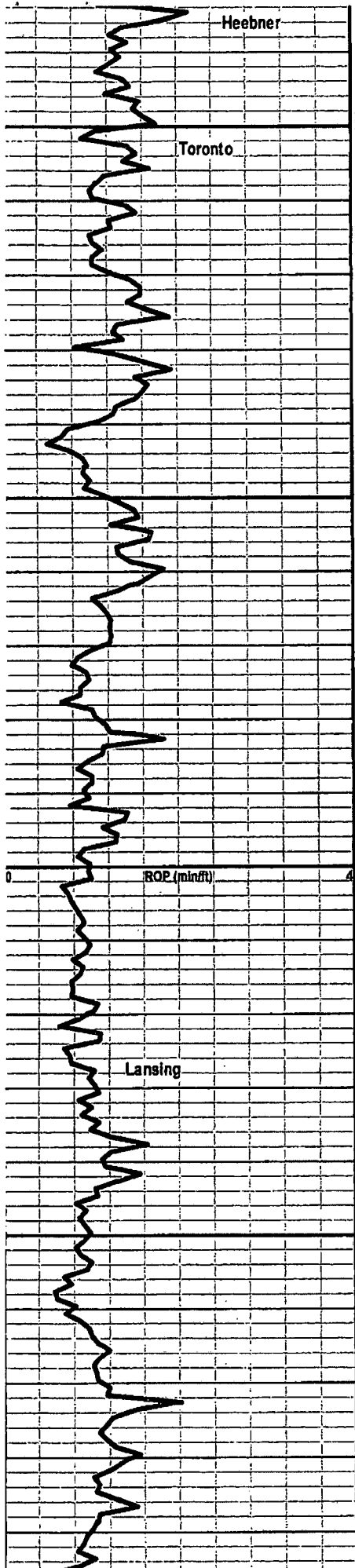
- Rounded
- Subrnd
- Subang
- Angular

OIL SHOWS

- Even
- Spotted
- Ques
- Dead



SHALE: Blk firm sbfis to fissile carbonaceous



moldic and intxn porosity no fluorescence no stain or cut

Toronto

LIMESTONE: Wh light brown buff medium to light mottled brown fine crystalline clean to argillaceous fossils sndy in part occasional chalky trace moldic and intxn porosity no fluorescence no stain ro cut

LIMESTONE: Med brown biomic micxn dense clean to argillaceous fossils poor vis porosity no fluorescence no stain or cut interbed with SHALE: Blk dark gray firm waxy to silty carbonaceous calcareous

LIMESTONE: Med brown biomic micxn dense clean to argillaceous fossils poor vis porosity no fluorescence no stain or cut interbed with SHALE: Blk dark gray firm waxy to silty carbonaceous calcareous

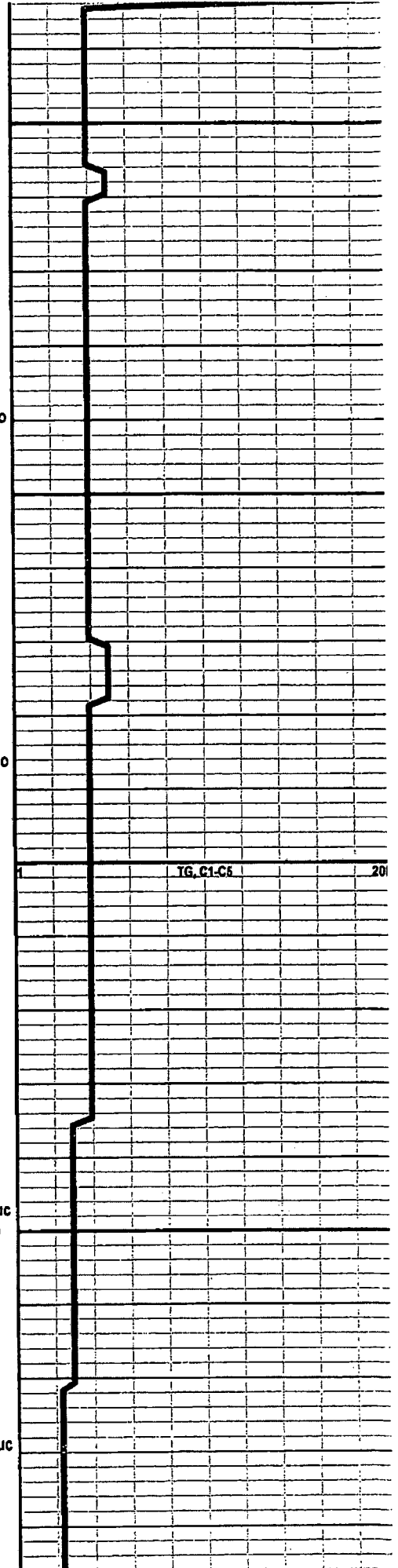
Lansing

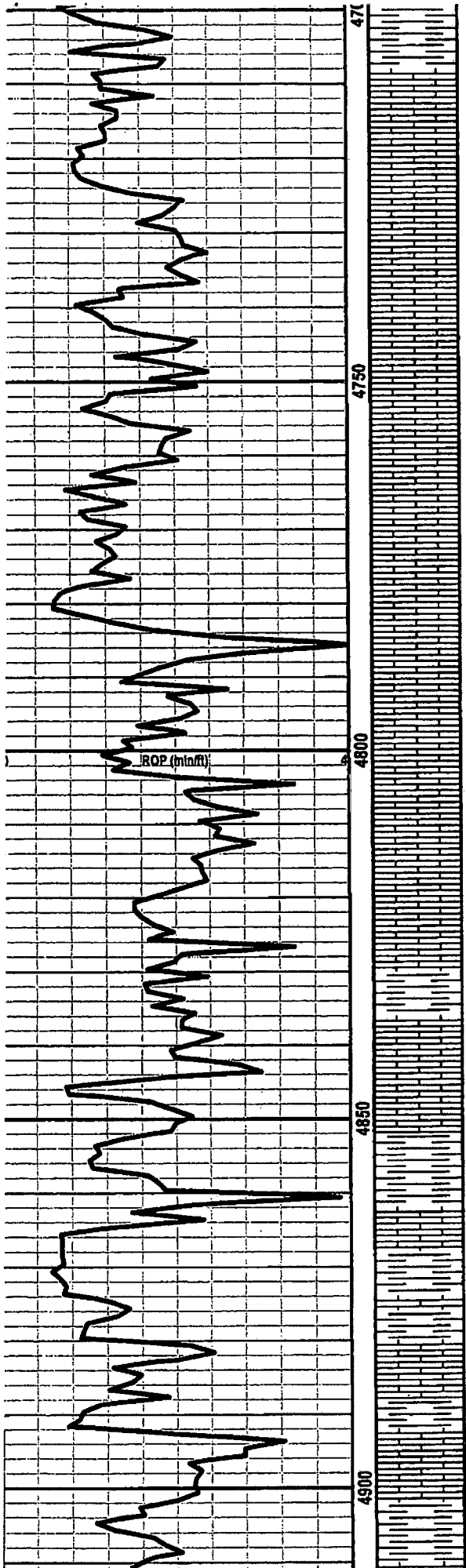
LIMESTONE: Brn crpxln hard dense clean tight no show

LIMESTONE: Lt to medium brown micxn micsuc in part brittle clean fossils trace vis porosity no show

SHALE: Blk firm sbfis carbonaceous

LIMESTONE: Lt to medium brown micxn micsuc brittle clean fossils oolites occasional moldic and in part porosity trace intxn porosity no fluorescence no stain or cut





SHALE: Blk firm sbfis carbonaceous waxy

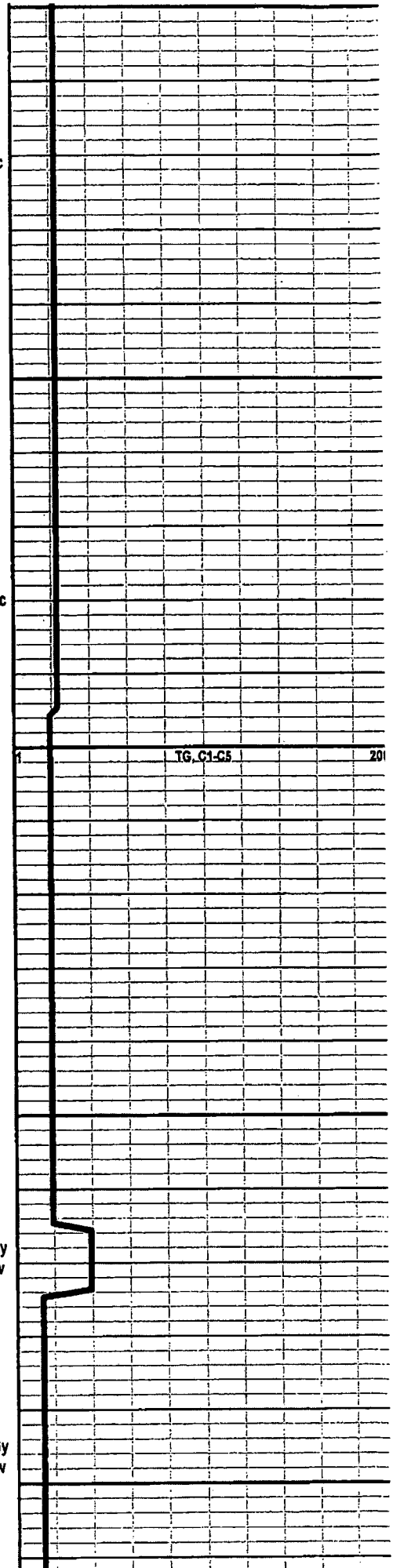
LIMESTONE: Lt to medium brown micxn micsuc brittle clean fossils oolites occasional moldic and in part porosity trace intxn porosity no fluorescence no stain or cut with LIMESTONE: Brn crpxln hard dense clean tight no show interbed with SHALE: Blk firm fissile carbonaceous

LIMESTONE: Lt to medium brown micxn micsuc brittle clean fossils oolites occasional moldic and in part porosity trace intxn porosity no fluorescence no stain or cut with LIMESTONE: Brn crpxln hard dense clean tight no show interbed with SHALE: Blk firm fissile carbonaceous

LIMESTONE: Dk mottled brown crpxln hard dense silica tight occasional moldic and intxn porosity no fluorescence no stain or cut

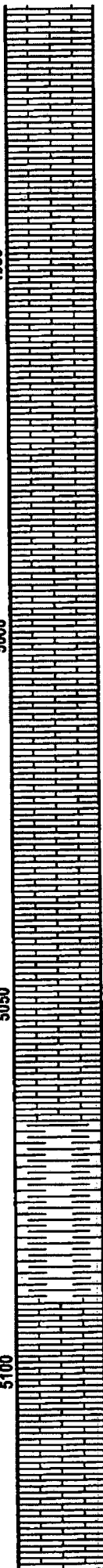
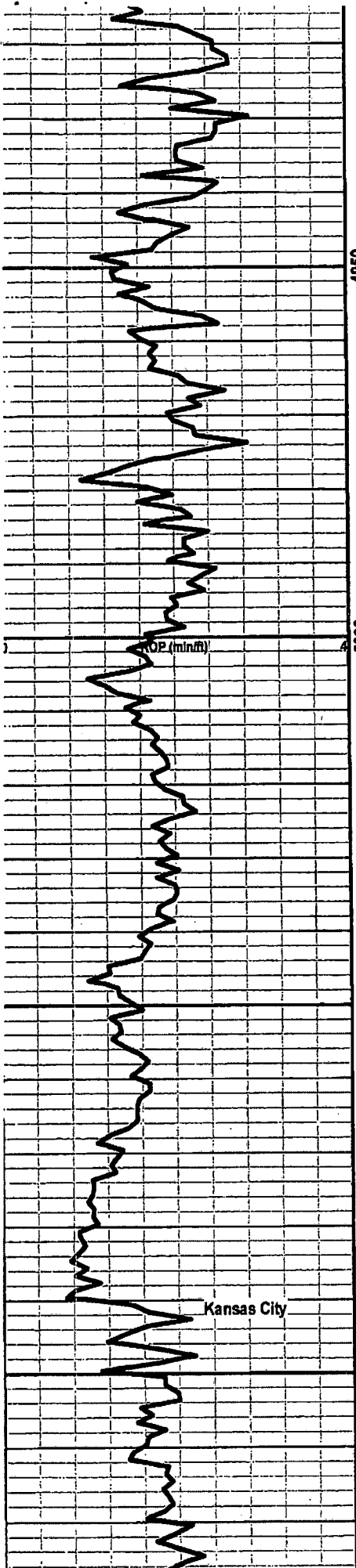
SHALE: Blk very dark bn firm fissile to blocky wy carbonaceous interbed with LIMESTONE: Gy to brown crpxln hard dense silica tight no show

SHALE: Blk very dark bn firm fissile to blocky wy carbonaceous interbed with LIMESTONE: Gy to brown crpxln hard dense silica tight no show



TG, C1-C5

201



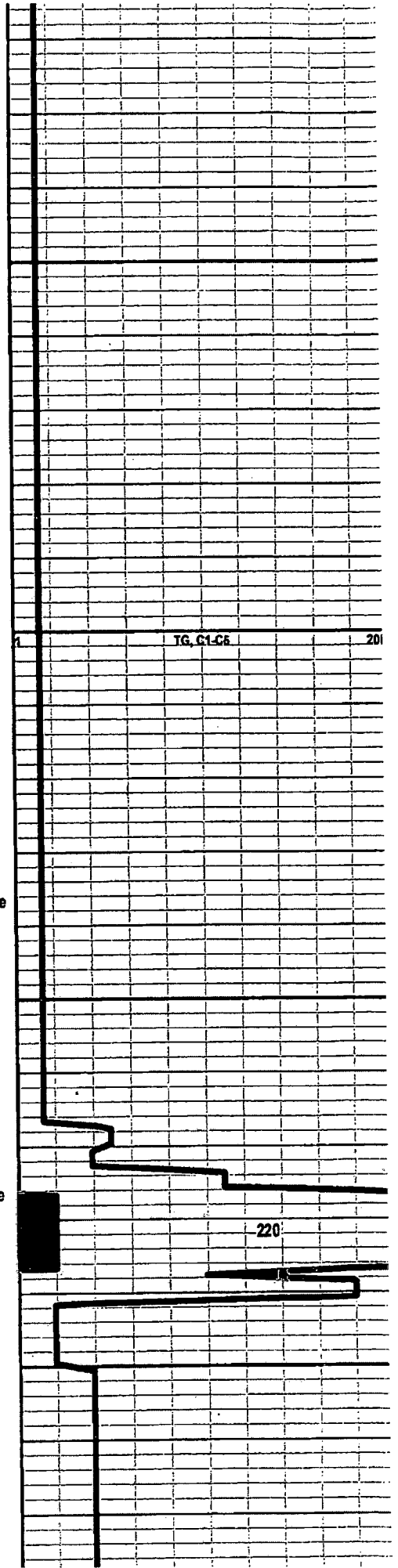
LIMESTONE: Med to light brown buff white fine crystalline chalky in part clean silica in part fossils carbonaceous stylic tight no show with
 LIMESTONE: Brn crpxln dense silica tight no show

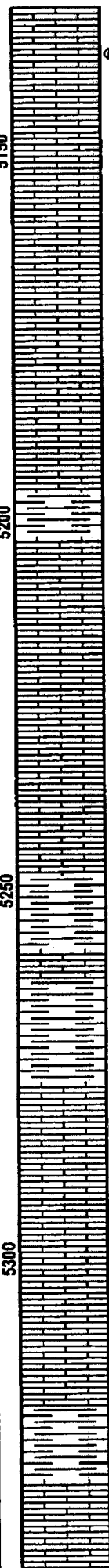
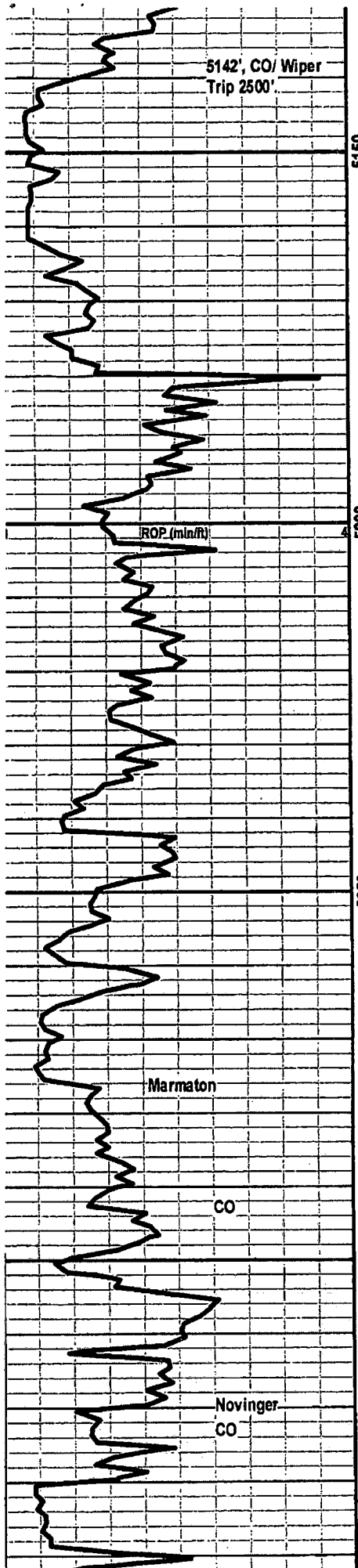
SHALE: Blk gray hard blocky carbonaceous calcareous interbed with LIMESTONE: Mot brown micxn micsuc in part argillaceous sbchky fossils carbonaceous stylic tight no show

LIMESTONE: Med to dark brown crpxln dense silica fossils pyrite tight no show trace CHRT: Brn gray translucent milky hard crystalline pyrite

SHALE: Blk dark brown choic brown firm fissile carbonaceous

LIMESTONE: Mot brown to gray biomicr fine crystalline hard dense argillaceous to marly fossils carbonaceous tight no show





chalky fossiliferous trace interparticle & intercrystalline porosity trace (1% sp) pale mottled blue hydrocarbon fluorescence weak cut no stain weak show

LIMESTONE: Med to dark mottled brown oomic fine crystalline brittle clean very oolitic with exc oomoldic porosity no fluorescence no stain or cut occasional interbed with SHALE: Blk firm fissile carbonaceous interbed with LIMESTONE: Brn to gray mottled hard dense silica tight no show with CHRT: Brn translucent milky white hard crystalline

LS: Med to dk brn to gy mot micr crpxln hd dns cln to arg occ mly foss ool sil tt no flor no stn or cut

LS: Med to dk brn to gy mot micr crpxln hd dns cln to arg occ mly foss ool sil tt no flor no stn or cut

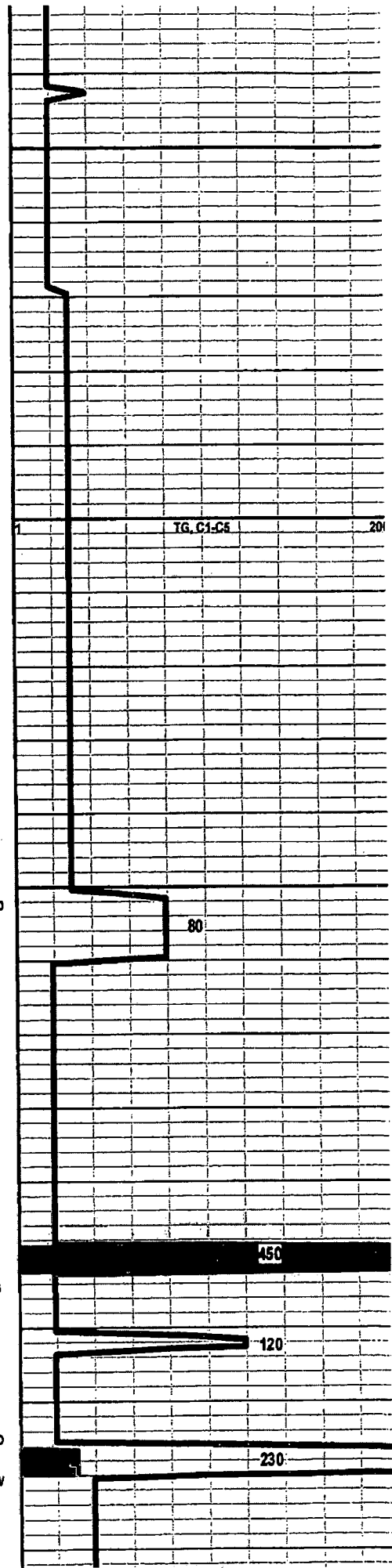
SH: Dk brn to gy blk frm to hd sbfis to blk carb calc foss ip intbd with LS: aa no show

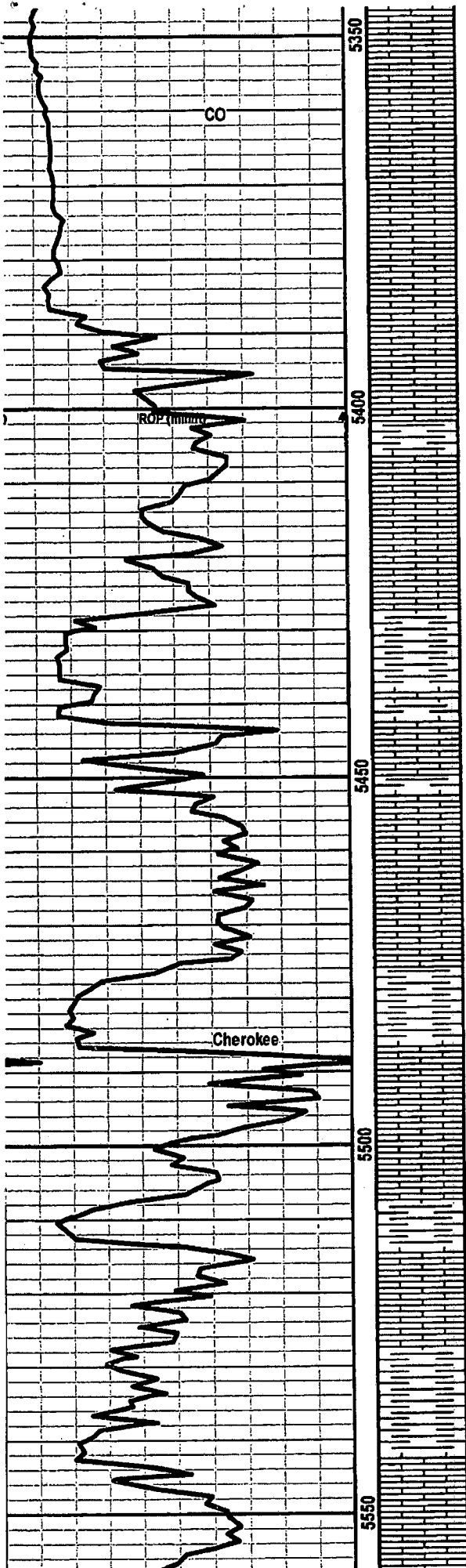
LS: Med to lt brn tan bf biomier f xn micsuc ip sbchky ip pred hd and dns foss pyr carb p vis por no flor no stbn or cut

LS: Lt to med brn bf wh biomier micxn micsuc to suc ip brit cln v chky ip v foss & ool with intpart por tr vug & intxn por mot pale bl hyc flor (6% sp) gd strmg cut lt o stn sl oil odor gas bubbles when crushed fr show intbd with LS: Med to lt brn tan bf biomier f xn micsuc ip sbchky ip pred hd and dns foss pyr carb p vis por no flor no stbn or cut

LS: Med to lt brn oomic f xln brit cln sbchky to v chky ip v ool & foss with intpart por occ oomoldic por bri mot yel hyc flor (2% sp) slow strmg cut

LS: Med brn oomic micxn to crpxln brit cln v





no str or cut

LS: Med brn oomier f xin brit clin v ool with exc oomoldic por no show

LIMESTONE: Lt brown micxn micsuc in part brittle clear fossils sbchky trace intxn porosity no show

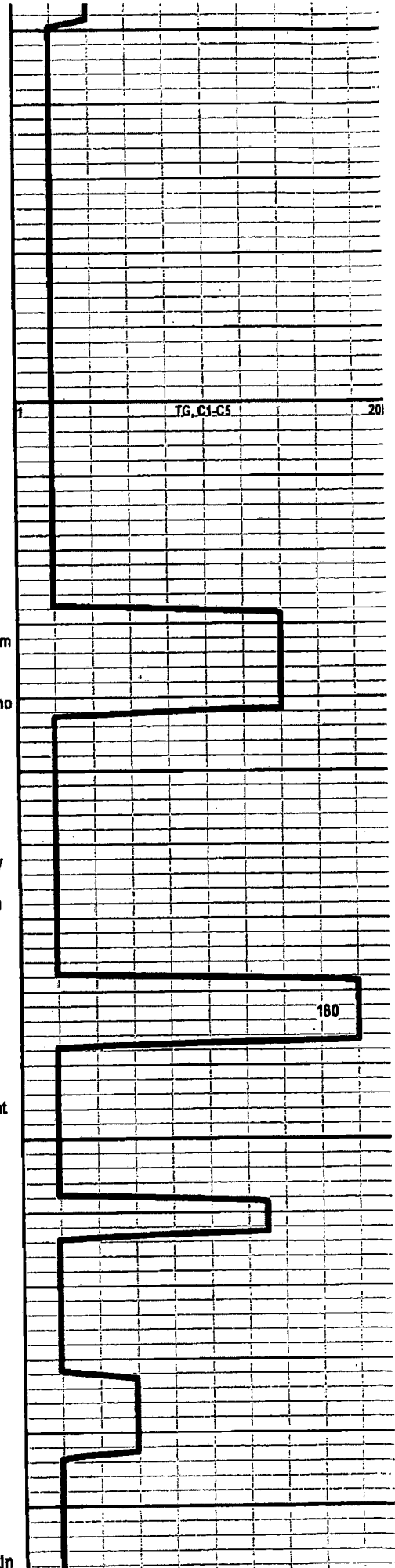
LS: Med to dk brn micr f xin hd dns foss ool tt no show occ intbd with SH: Blk to gy frm sbfis to blk carb calc foss ip with LS: Brn to bf occ wh sft chlky no show

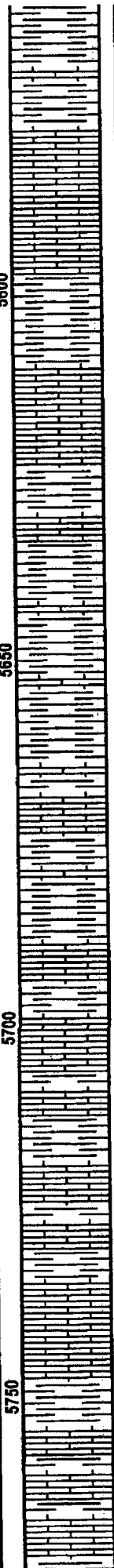
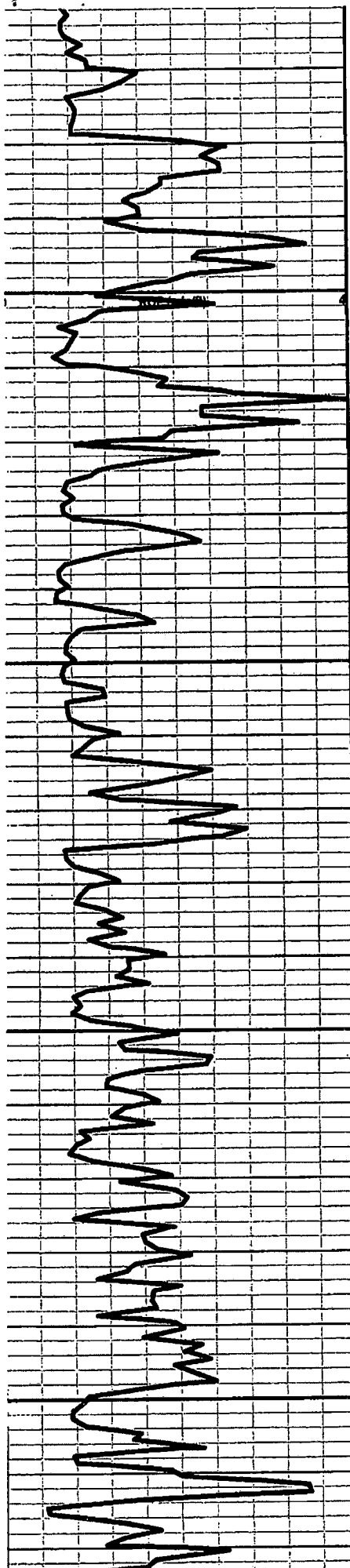
SHALE: Blk dark brown to gray chalc brown firm sbfis carbonaceous calcareous interbed with LIMESTONE: Dk brown to gray fine crystalline dense silica argillaceous to marly in part tight no show

LIMESTONE: Mot brown fine crystalline sbchky argillaceous to marly fossils carbonaceous in part poor vis porosity no fluorescence no stain or cut

SHALE: Blk firm sbfis waxy to silty carbonaceous calcareous occasional interbed with LIMESTONE: Mot brown micr fine crystalline hard dense argillaceous fossils tight no show

LIMESTONE: Med to dark brown mottled micxn





tight no show withbd with SHALE: Blk firm sbfis
carbonaceous waxy to silty

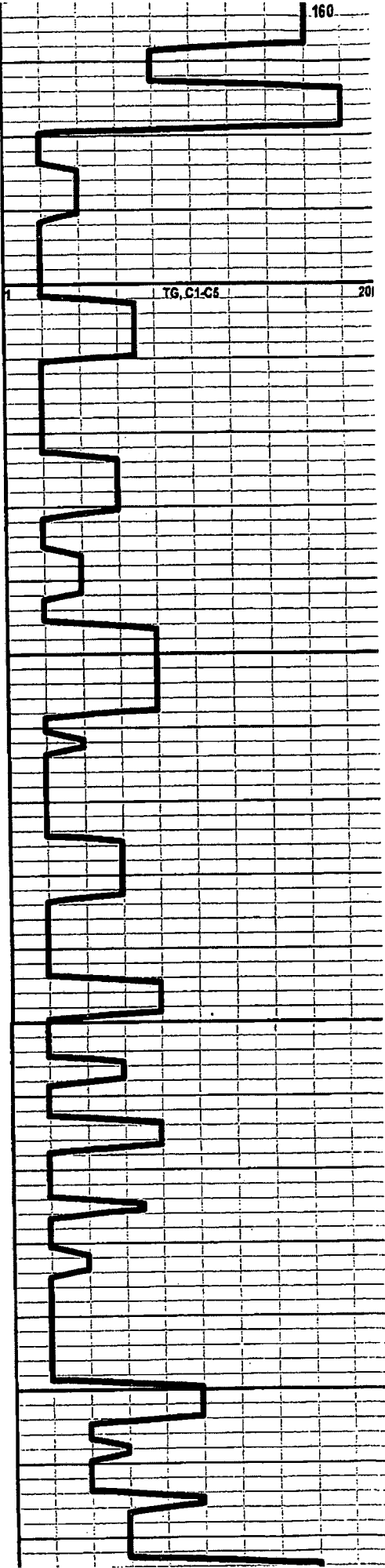
SHALE: Dk gray black hard blocky
carbonaceous calcareous interbed with
LIMESTONE: Brn to gray mottled fine crystalline
hard dense fossils tight no show

SHALE: Blk dark gray brown h blocky
calcareous mica carbonaceous interbed with
LIMESTONE: Brn to gray fine crystalline dense
argillaceous to marly fossils carbonaceous tight
no show

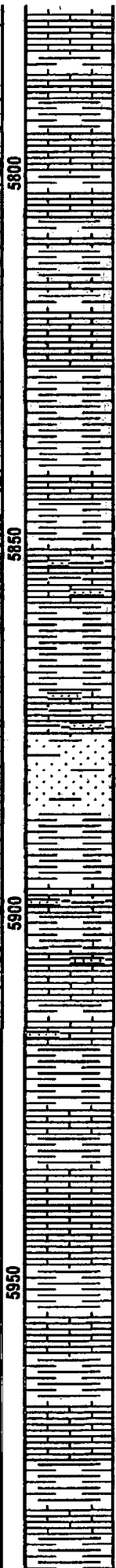
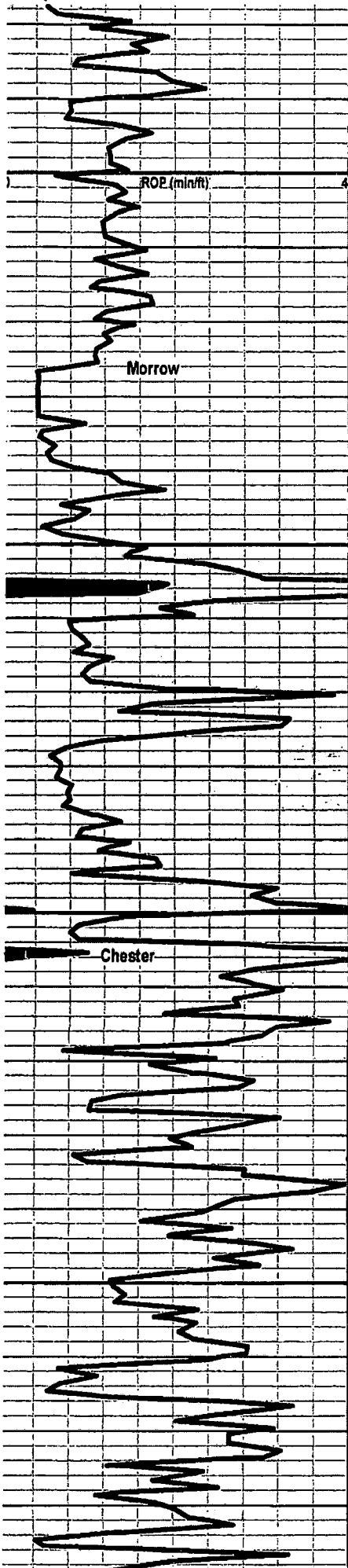
SHALE: Dk brtn to gray firm sbfis to black
carbonaceous calcareous interbed ith
LIMESTONE: as above poor vis porosity no
fluorescence no stain or cut

SHALE: Blk dark gray brown h blocky
calcareous mica carbonaceous

LIMESTONE: Dk brown micxln mksuc dolc
clean trace inbnd and vug porosity no show
interbed with SHALE: Blk firm blocky
carbonaceous calcareous



TG, C1-C6



LIMESTONE: Dk mottled brown to gray occasional black micr fine crystalline dense marly fossils endy in part carbonaceous tight no show interbed with SHALE: Blk firm sbfis to fissile carbonaceous

SHALE: Black firm fissile carbonaceous calcareous in occ sandy to silty

LIMESTONE: Brn hard crpxn dense argillaceous to marly fossiliferous sandy poor vis porosity no show interbed with SHALE: Blk firm fissile carbonaceous

SHALE: Blk firm fissile carbonaceous occasional blocky and sndy and glauconitic

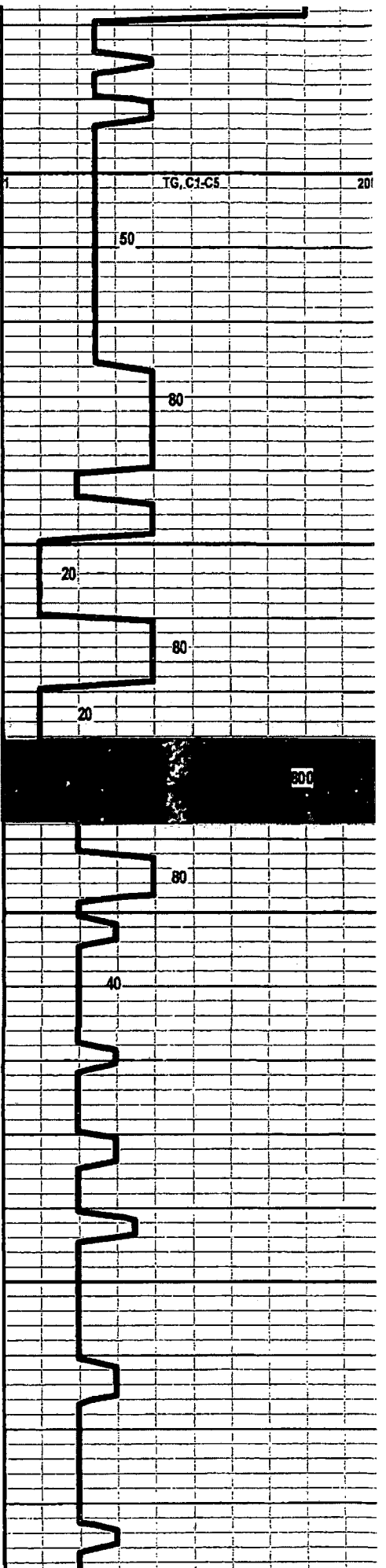
LIMESTONE: Brn hard crpxn dense argillaceous to marly fossiliferous sandy sl glauconitic poor vis porosity no show interbed with SHALE: As above and Medium to dark green endy ip

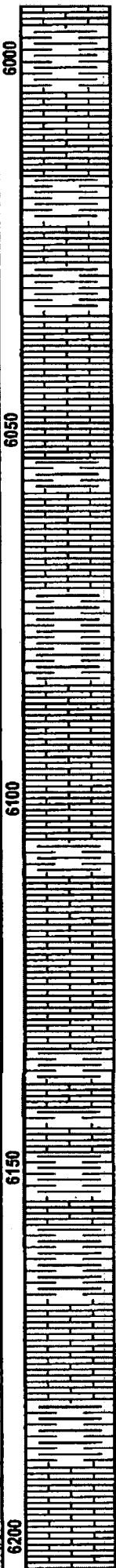
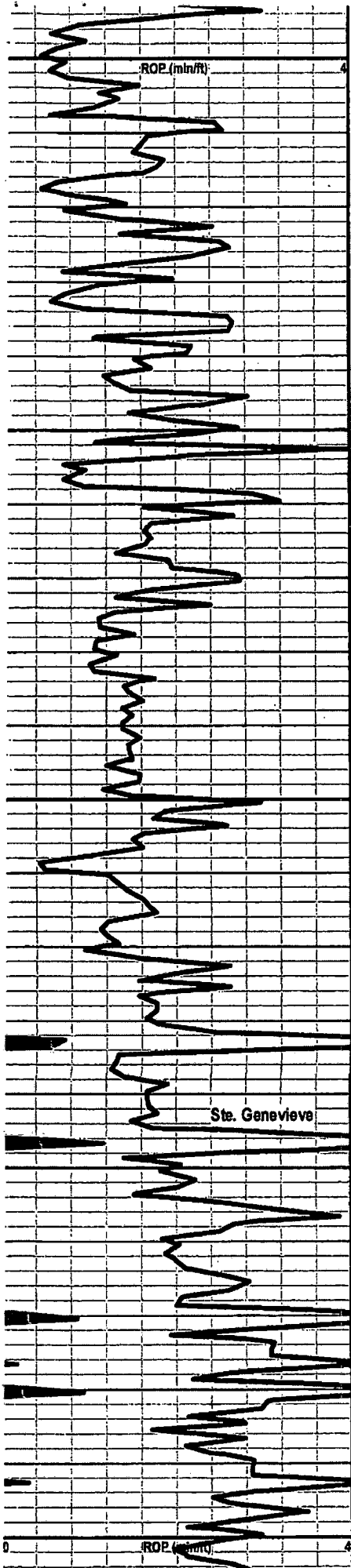
SANDSTONE: Medium to dark green mottled brown to green occasionally light to medium brown and salt and pepper firm to hard slightly friable very fine upper well sorted subround grains calcareous and clay cement abundant green clay infill occ medium brown with fair intergranular and vuggy porosity dull orange gold hydrocarbon fluorescence (all SS - 40% sp) fair streaming cut gas bubbles when crushed slight oil odor and light mottled brown oil stain no live oil

SH: Dk gy to brn blk hd blk sndy glauc calc intbd with LS: Lt brn bf micxn micsuc brit cln to arg sbchky ip endy glauc foss p vis por no flor no stn or cut

LS: Mot brn gy dk bm bf xln sbchky ip foss cln to mrlly ip pyr endy carb pyr p vis por no show intbd with SH: Blk dk gy gygn hd blkly to sbfis carb calc glauc ip pyr

LS: Mot brn gy dk bm bf xln sbchky ip foss cln to mrlly ip pyr endy carb pyr p vis por no show intbd with SH: Blk dk gy gygn hd blkly to sbfis carb calc glauc ip pyr





LS: Mot brn to gy occ lt brn to bf micr f xln sbchky ip occ hd and sil foss sndy pyr p vis por no flor no str or cut intbd with SH: Blk dk brn fis to blk carb

LS: Mot brn to gy occ lt brn to bf micr f xln sbchky ip occ hd and sil foss sndy pyr p vis por no flor no str or cut intbd with SH: Blk dk brn fis to blk carb

SH: Blk frm fis carb with LS: Dk gy brn hd dns crpxln sil tt no show

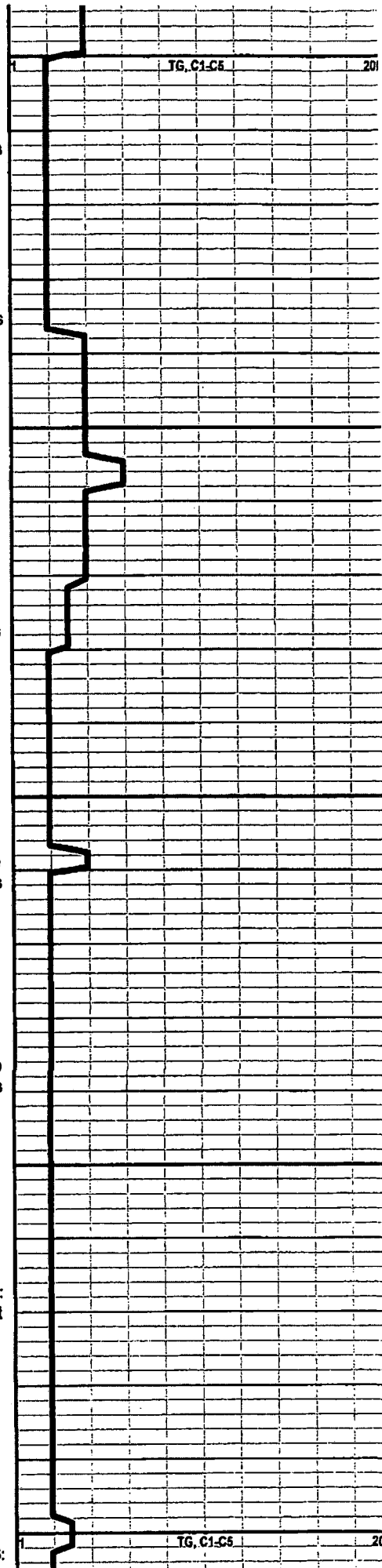
SH: Dk gy to brn occ gygn blk sbfis to blk carb wxy to andy glauc ip with LS: Brn crpxln hd dns cln tt no show

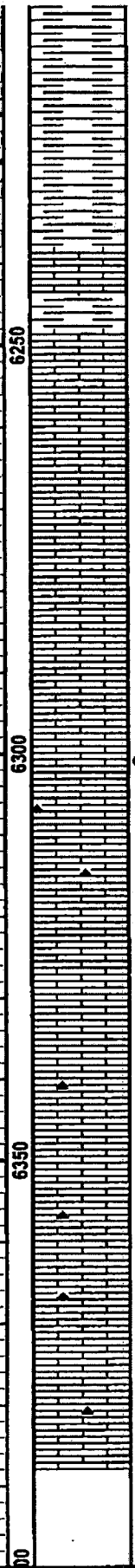
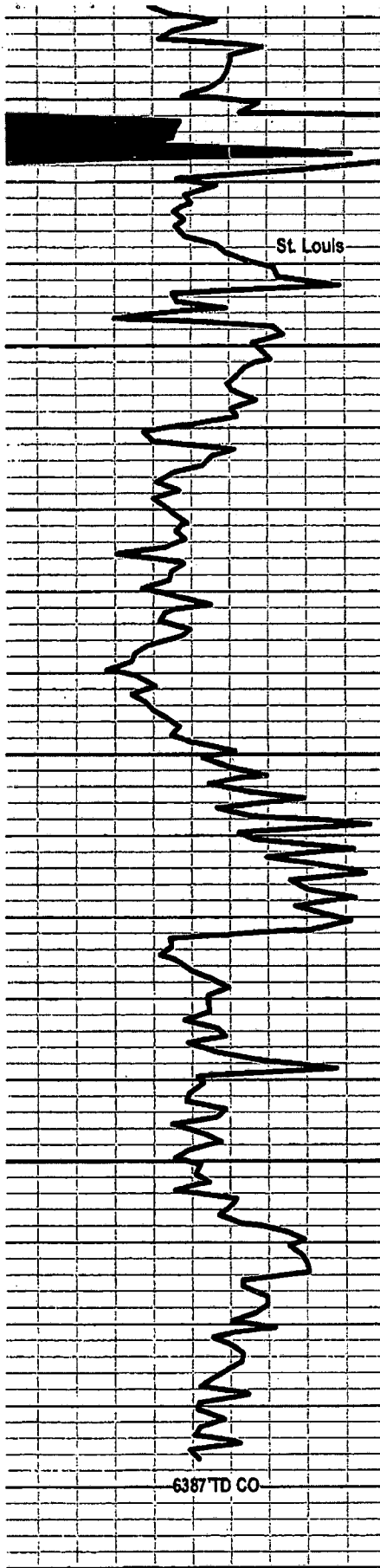
SH: Dk gy to brn occ gygn blk sbfis to blk carb wxy to andy glauc ip with LS: Brn crpxln hd dns cln tt no show

SH: Dk gy to brn occ gygn blk sbfis to blk carb wxy to andy glauc ip with LS: Brn crpxln hd dns cln tt no show

SH: Redbrn to brn mar gy to gygn occ gn viol varic hd blk to sbfis wxy to sndy intbd with LS: Brn redbrn gy occ varic micr crpxln hd dns sil tt no show

SH: Redbrn to brn mar gy to gygn occ gn viol varic hd blk to sbfis wxy to sndy intbd with LS:





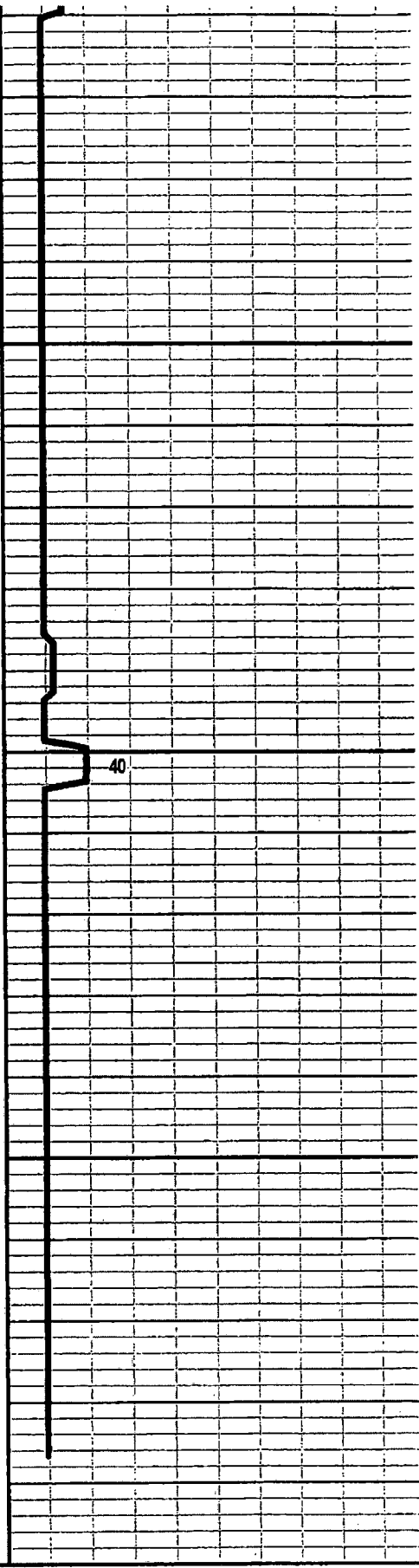
SH: Redbrn to brn mar gy to gygn occ gn viol varic hd blk to sbfis wxy to sndy intbd with LS: Brn redbrn gy occ varic micr crpxn hd dns sil tt no show

LS: Med to lt brn lt gy gn bf micxn micsuc brit cln to arg v endy w/vf w artd rnd grs p vis por no flor no stn or cut with LS: Med to dk brn gy crpxn hd dns sil tt no show

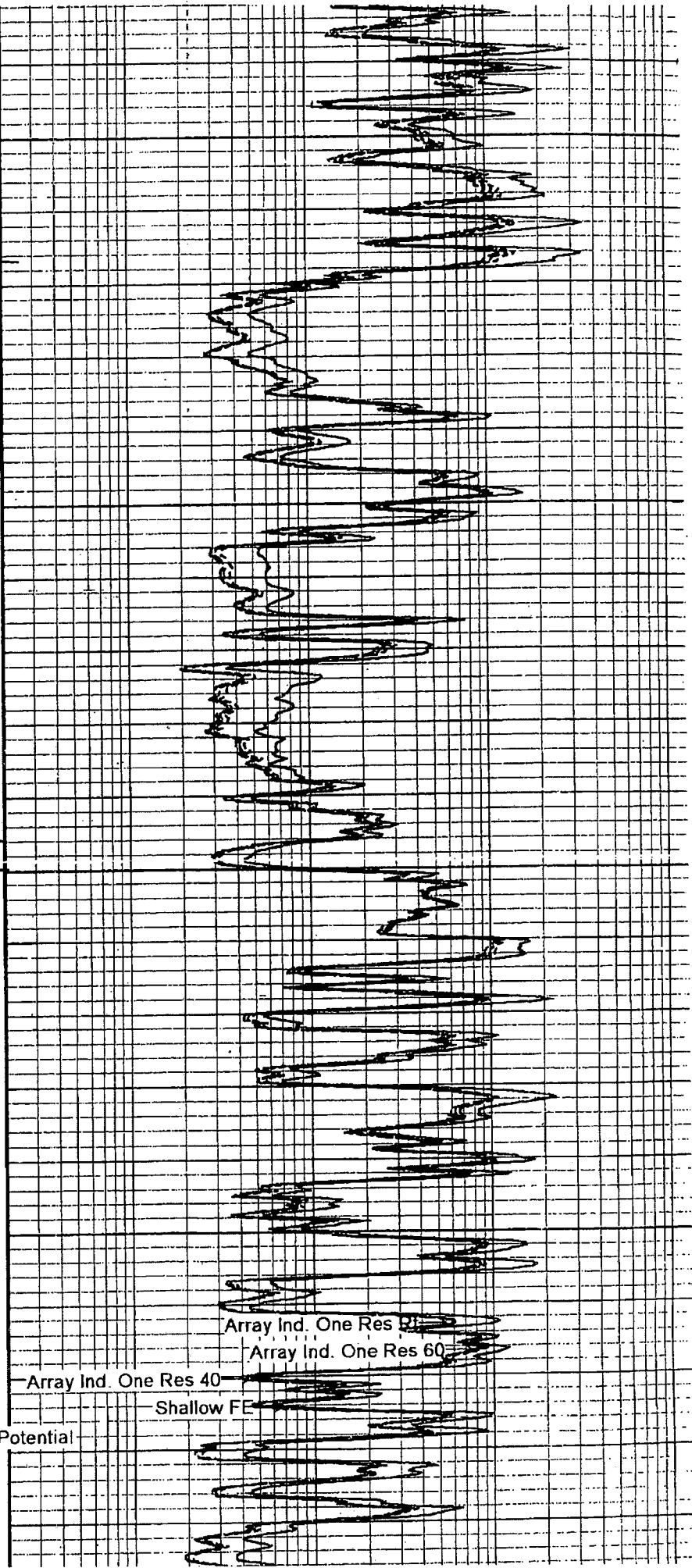
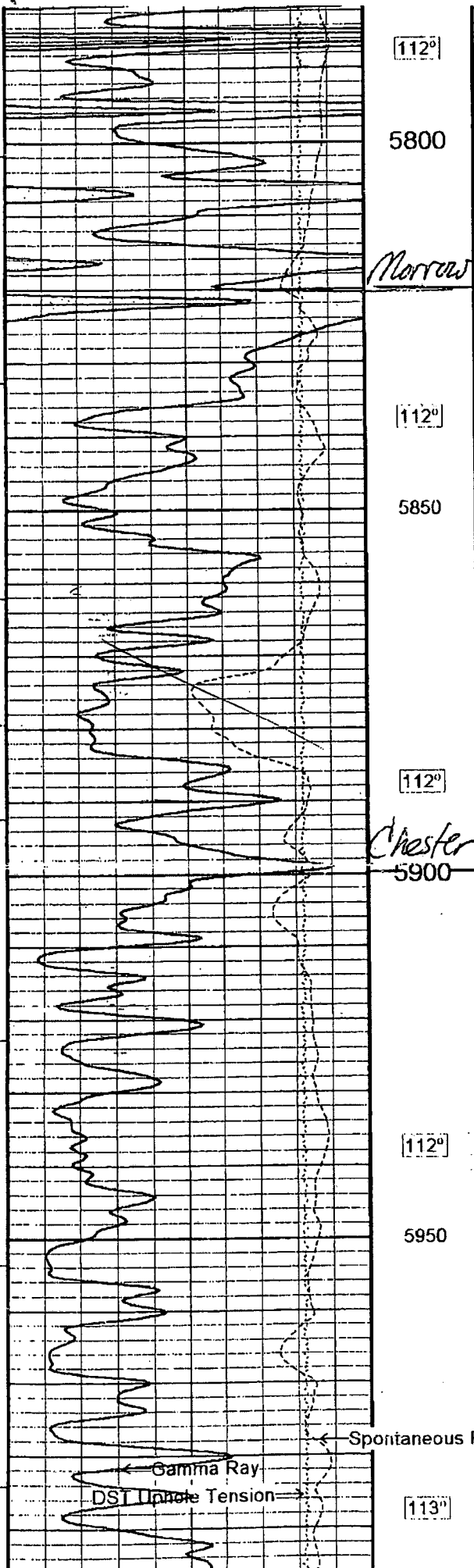
LS: Lt brn gygn to lt gn brn crpxn hd dns cln to arg p vis por tr ca filled frac with bri lt yel hydc flor (<1% spl, few pieces) exc strmg cut tr lt live oil & stn

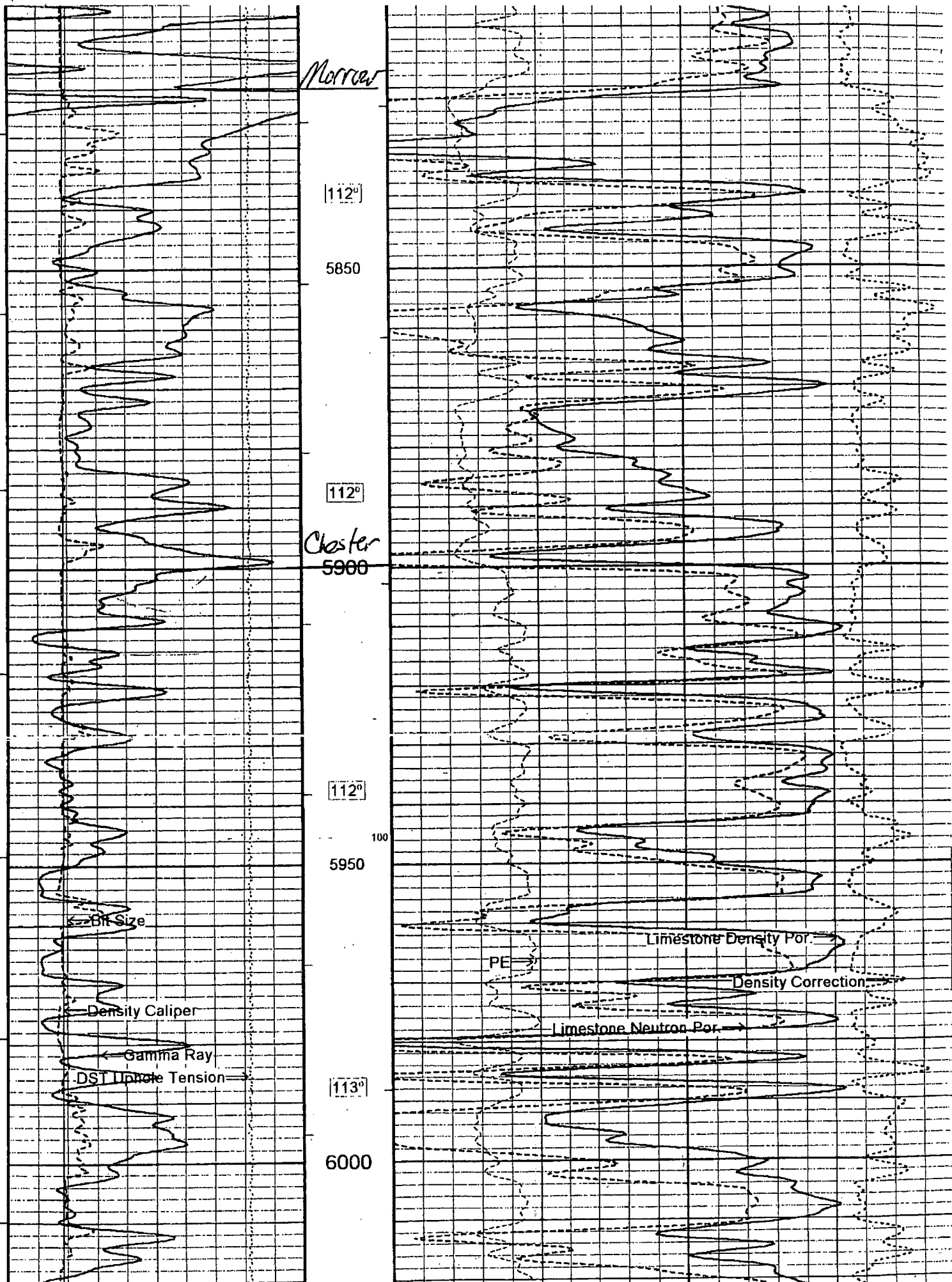
LS: Lt brn micxn micsuc brit cln v sndy p vis por no show with CHRT: Med to dk brn mlky hd xln SH: Gy to blk sbfis to blk calc endy carb

LS: Lt brn micxn micsuc brit cln v sndy p vis por no show with CHRT: Med to dk brn mlky hd xln SH: Gy to blk sbfis to blk calc endy carb



6387 TD CO





Morroco

112°

5850

112°

Cluster

5900

112°

100

5950

Bit Size

Density Caliper

Gamma Ray

DST Upcore Tension

PE

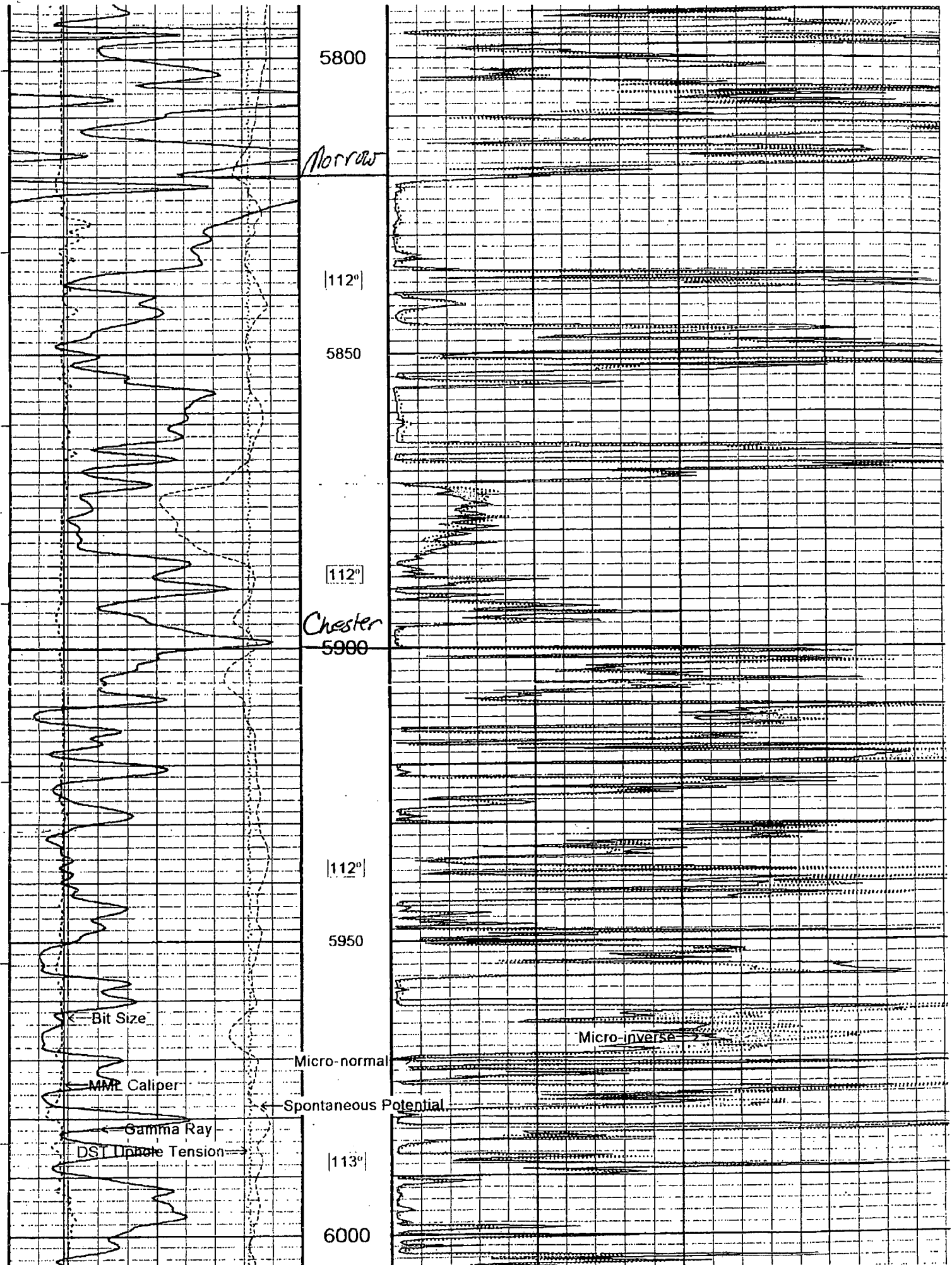
Limestone Density Por.

Density Correction

Limestone Neutron Por.

113°

6000



5800

Narrow

112°

5850

112°

Chester
5900

112°

5950

Micro-normal

Spontaneous Potential

113°

6000

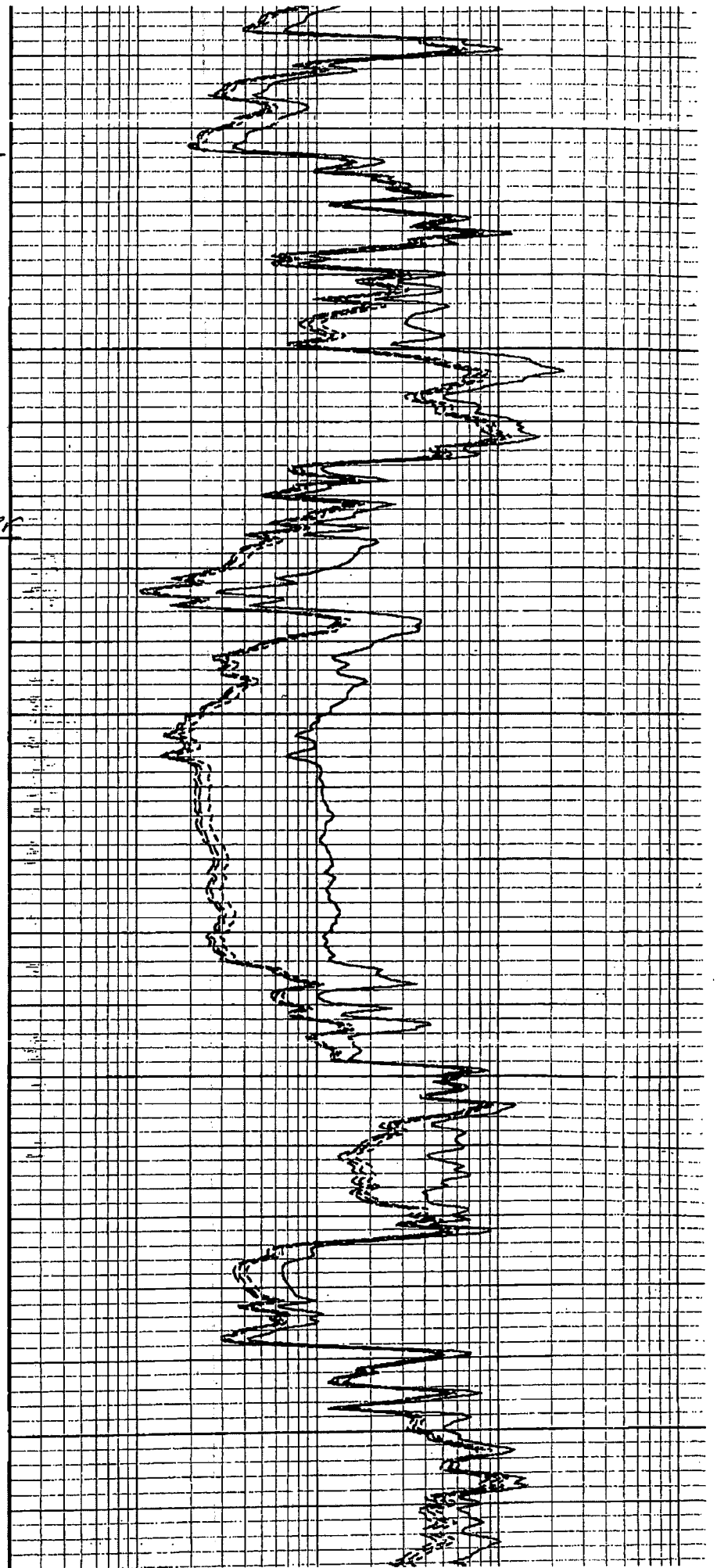
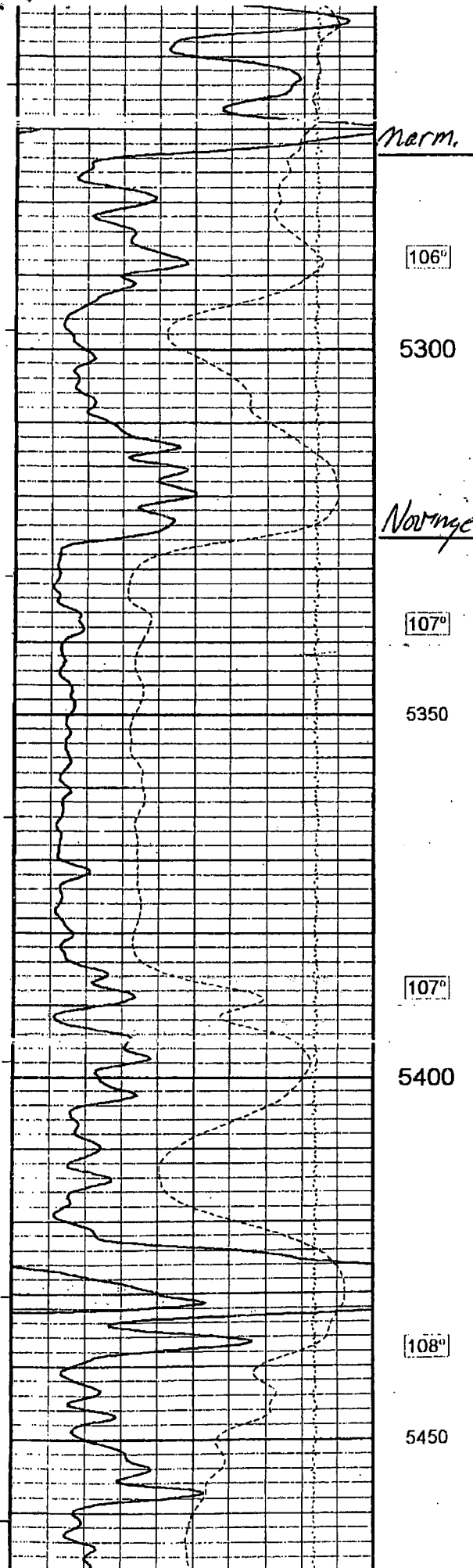
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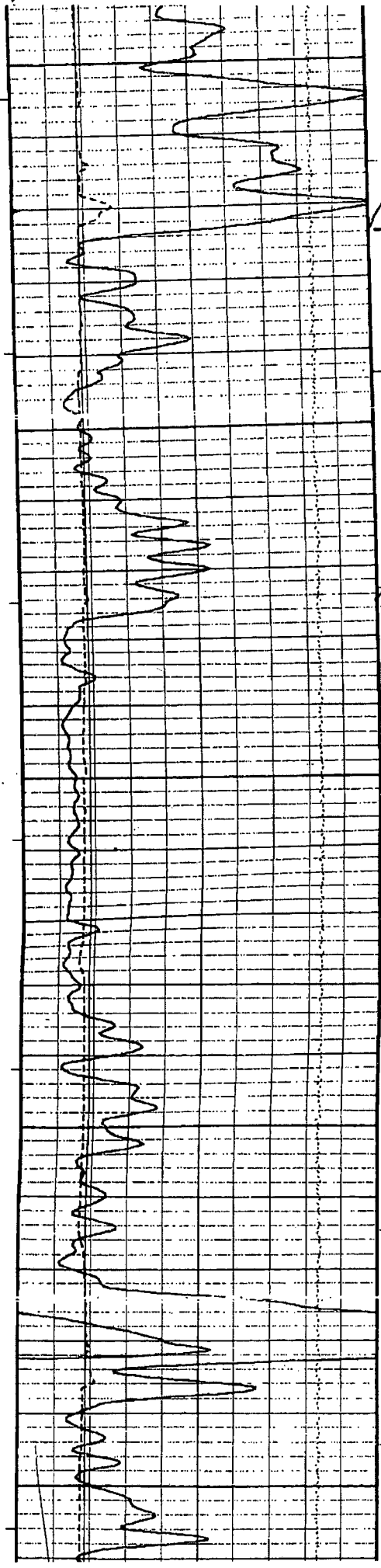
MME Caliper

Gamma Ray

DST Dipole Tension

Micro-inverse





5250

Marmaba

[110°]

5300

Novinger

[110°]

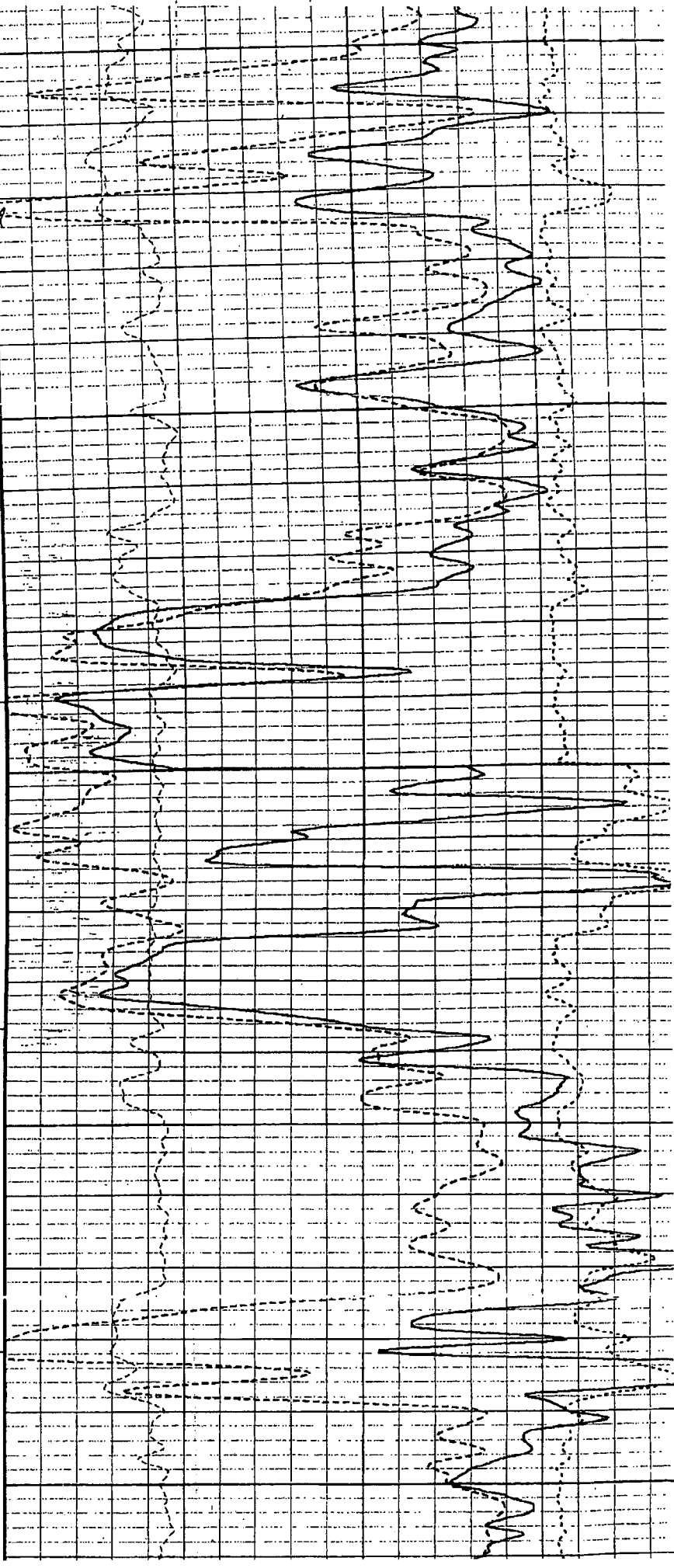
5350

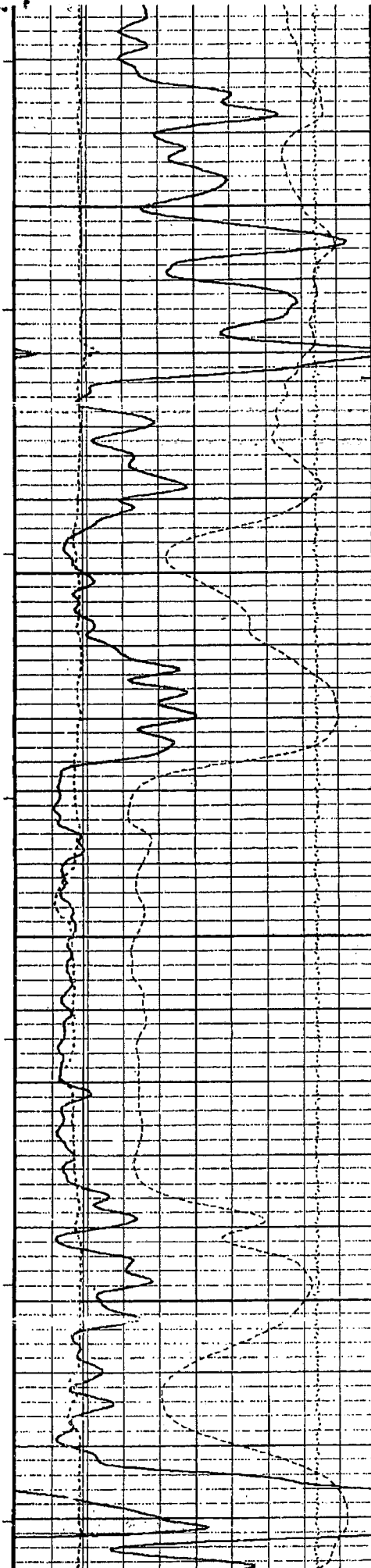
[107°]

5400

[108°]

5450





106°

5250

Marm.

106°

5300

Nov.

107°

5350

107°

5400

1000

