



KANSAS CORPORATION COMMISSION 1089490
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 # 34352
Name: N-10 Exploration, LLC
Address 1: 124 N MAIN
Address 2: PO BOX 195
City: ATTICA State: KS Zip: 67009 + _____
Contact Person: Randy Newberry
Phone: (620) 254-7251
CONTRACTOR: License # 33902
Name: Hardt Drilling LLC
Wellsite Geologist: Tim Pierce
Purchaser: _____

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 #: _____
4/12/2012 4/19/2012 5/11/2012
Spud Date or Date Reached TD Completion Date or
Recompletion Date Recompletion Date

API No. 15 - 15-007-23857-00-00
Spot Description: Approx. E/2 NE NE
NW SE NE NE Sec. 15 Twp. 34 S. R. 11 East West
760 Feet from North / South Line of Section
450 Feet from East / West Line of Section
Footages Calculated from Nearest Outside Section Corner:
 NE NW SE SW
County: Barber
Lease Name: Medicine River Ranch Well #: B10
Field Name: Landis
Producing Formation: Mississippi
Elevation: Ground: 1366 Kelly Bushing: 1376
Total Depth: 5090 Plug Back Total Depth: _____
Amount of Surface Pipe Set and Cemented at: 256 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: 37000 ppm Fluid volume: 320 bbls
Dewatering method used: Hauled to Disposal
Location of fluid disposal if hauled offsite: _____
Operator Name: Jody Oil & Gas Corp
Lease Name: Sanders 3A SWD License #: 3288
Quarter SW Sec. 20 Twp. 31 S. R. 8 East West
County: Harper Permit #: D-23313

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 Gombor Date: 08/07/2012



1089490

Operator Name: N-10 Exploration, LLC Lease Name: Medicine River Ranch Well #: B10
 Sec. 15 Twp. 34 S. R. 11 East West County: Barber

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 (Attach Additional Sheets)	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input checked="" type="checkbox"/> Log	Formation (Top), Depth and Datum	<input type="checkbox"/> Sample
Samples Sent to Geological Survey	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Name	Top	Datum
Cores Taken	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Mississippi	4582	(-3206)
Electric Log Run	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No			
Electric Log Submitted Electronically (If no, Submit Copy)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No			
List All E. Logs Run:				
Dual Induction				
Dual Compensated Porosity				

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	256	60:40 Poz	225	3% cc, 2% Gel
Production	7.875	5.5	14	5056	Class H	150	10% salt, 5# Kolseal

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 (Amount and Kind of Material Used)	Depth
2	4584 - 4686	5250 gal 15% MCA Acid	
		Frac 2647 sx 30/70 sand	
		400 sx 16/30 sand	
		210 sx Resin Coated sand	

TUBING RECORD:	Size: <u>2.875</u>	Set At: <u>4774</u>	Packer At:	Liner Run: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Date of First, Resumed Production, SWD or ENHR. <u>5/14/2012</u>	Producing Method: <input type="checkbox"/> Flowing <input checked="" type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other (Explain) _____			
Estimated Production Per 24 Hours	Oil Bbls. <u>30</u>	Gas Mcf <u>120</u>	Water Bbls. <u>350</u>	Gas-Oil Ratio <u>41</u>
				Gravity <u>30</u>

DISPOSITION OF GAS: <input type="checkbox"/> Vented <input checked="" type="checkbox"/> Sold <input type="checkbox"/> Used on Lease (If vented, Submit ACO-18.)	METHOD OF COMPLETION: <input type="checkbox"/> Open Hole <input checked="" type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled (Submit ACO-5) <input type="checkbox"/> Other (Specify) _____	PRODUCTION INTERVAL: <u>4584 - 4686</u>
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ALLIED CEMENTING CO., LLC. 038052

REMIT TO P.O. BOX 31
RUSSELL, KANSAS 67665

SERVICE POINT:
Medicineburg KS

DATE <u>04-19-12</u>	SEC. <u>15</u>	TWP. <u>34s</u>	RANGE <u>11w</u>	CALLED OUT	ON LOCATION	JOB START	JOB FINISH <u>7:00 PM</u>
LEASER <u>Medicineburg</u>	WELL # <u>B-10</u>	LOCATION <u>281 1/2 Geesha, E to Bethel, S on</u>			COUNTY <u>Barber</u>	STATE <u>KS</u>	
OLD OR NEW (Circle one) <u>NEW</u>		SCOTT CANYON, W & S to Rig					

CONTRACTOR <u>Handt</u>	OWNER <u>N-10</u>
TYPE OF JOB <u>Production</u>	
HOLE SIZE <u>7 7/8"</u>	T.D. RTD <u>5120</u>
CASING SIZE <u>5 7/8"</u>	DEPTH <u>5056</u>
TUBING SIZE	DEPTH
DRILL PIPE	DEPTH
TOOL	DEPTH
PRES. MAX <u>1300</u>	MINIMUM <u>-</u>
MEAS. LINE	SHOE JOINT <u>43.16</u>
CEMENT LEFT IN CSG. <u>43'</u>	
PERFS.	
DISPLACEMENT <u>122 1/2 Bbls 2% KCL Water</u>	

CEMENT	AMOUNT ORDERED <u>40 sp 60:40:4% Gel + 4%</u>
	<u>SMS & 150sx class H + 10% salt + 5"</u>
	<u>Kalsol & 500gals ASF & 14gals Clapco</u>
COMMON <u>class A</u>	<u>24sx @ 390.00</u>
POZMIX	<u>16sx @ 136.00</u>
OBL	<u>25x @ 42.50</u>
CHLORIDE	@
ASC	@
<u>class H</u>	<u>150sx @ 287.50</u>
<u>Salt</u>	<u>155x @ 180.00</u>
<u>Kalsol</u>	<u>750 @ 667.50</u>
<u>Clapco</u>	<u>14gals @ 437.50</u>
	@
<u>ASF</u>	<u>500gal @ 1.00 635.00</u>
	@
	@
HANDLING <u>222</u>	@ <u>499.50</u>
MILEAGE <u>15.11.222</u>	@ <u>366.30</u>
	TOTAL <u>6241.80</u>

EQUIPMENT	
PUMP TRUCK CEMENTER <u>D. Felix</u>	
# <u>471-302</u>	HELPER <u>D. Gibbons</u>
BULK TRUCK	
# <u>356-290</u>	DRIVER <u>B. Goins</u>
BULK TRUCK	
#	DRIVER

REMARKS:
Pipe on 6" Pump, Break Circ, Pump Preflush, Mix
150sx class H cement, Stop, Wash Pump &
Mix 150sx class H cement, Stop, Wash Pump &
Lines, Start Release Plug, Start Disp. w/
2% KCL Water, See to Start increase in PFE,
Slow Rate, Bump Plug at 122 Bbl total Disp.
Release PFE; Float Dil Hb 14

SERVICE	
DEPTH OF JOB <u>5056</u>	
PUMP TRUCK CHARGE	<u>2405.00</u>
EXTRA FOOTAGE	@
MILEAGE <u>15</u>	@ <u>105.00</u>
MANIFOLD <u>Headrental</u>	@ <u>200.00</u>
<u>Light Vehicle</u> <u>15</u>	@ <u>60.00</u>
	@
	TOTAL <u>2770.00</u>

CHARGE TO: N-10
STREET _____
CITY _____ STATE _____ ZIP _____

PLUG & FLOAT EQUIPMENT	
<u>1-TRP</u>	@ <u>66.00</u>
<u>1-Guide Shoe</u>	@ <u>100.00</u>
<u>1-AFEH Insert</u>	@ <u>112.00</u>
<u>to contractors</u>	@ <u>32.00 225.00</u>
<u>10- Raip: Scatter</u>	@ <u>23.94 239.90</u>
	TOTAL <u>743.60</u>

To Allied Cementing Co., LLC.
You are hereby requested to rent cementing equipment and furnish cementer and helper(s) to assist owner or contractor to do work as is listed. The above work was done to satisfaction and supervision of owner agent or contractor. I have read and understand the "GENERAL TERMS AND CONDITIONS" listed on the reverse side.

SALES TAX (If Any) _____
TOTAL CHARGES 9755.40
DISCOUNT _____ IF PAID IN 30 DAYS
7804.32

PRINTED NAME TIM PIERCE
SIGNATURE Tim Pierce

Timothy G. Pierce

Petroleum Geologist

GEOLOGIST'S REPORT DRILLING TIME AND SAMPLE LOG

COMPANY N-10 Exploration, LLC
 LEASE Medicine River Ranch 'B' #10
 FIELD Landis
 LOCATION 760' FNL & 450' FEL
 SEC 15 TWSP 34S RGE 11W
 COUNTY Barber STATE Kansas

CONTRACTOR Hardt Drilling Rig #1
 SPUD 4-12-2012 COMP 4-19-2012
 RTD 5120 LTD 5090* see remarks
 MUD UP 2900 TYPE MUD Chemical

SAMPLES SAVED FROM 4000 TO RTD
 DRILLING TIME KEPT FROM 4000 TO RTD
 SAMPLES EXAMINED FROM 4000 TO RTD
 GEOLOGICAL SUPERVISION FROM 4140 to RTD
 GEOLOGIST ON WELL Tim Pierce

ELEVATIONS

KB 1376'
 DF _____
 GL 1366'

Measurements Are All
 From Kelly Bushing

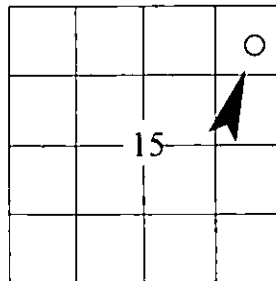
CASING

CONDUCTOR _____
 SURFACE 8-5/8" at 251'
 PRODUCTION 5-1/2" at 5054'

ELECTRICAL

SURVEYS
DIL / CN-CD
Log-Tech

FORMATION TOPS	ELECTRIC LOG	SAMPLE
Hebner Sh.	3647 (-2271)	NA
Iatan LS.	4066 (-2690)	4100 (-2724)
Stark Sh.	4324 (-2948)	4352 (-2976)
Cherokee Sh.	4545 (-3269)	4576 (-3200)
Mississippi	4582 (-3206)	4622 (-3246)
Chattanooga Sh.	4866 (-3490)	4898 (-3522)
Viola	4919 (-3543)	4951 (-3575)
Simpson	5013 (-3637)	5044 (-3668)



API # 15-007-23,857

REMARKS After trip out of hole for logs, pipe strap indicated approx 30' difference from the tally board. There was an extra joint on the tally board that was not in the hole. All formation tops should be adjusted up approx 30 feet on drill time to match electric logs.

Samples and electric logs indicate a commercial zone in the Mississippi from 4584' - 4685'. (electric log measurements)

A slight show of gas was noted in the Chattanooga Sh. at 4866' (e-log measurements) with an increase on the gas detector.

No other samole shows were observed and electric logs indicated no other zones of interest.

Timothy G. Pierce

LEGEND

Anhydrite
 Sandstone
 Limestone
 Shale
 Carb Sh
 Cherty LS
 Chert
 Dolomite

DRILLING TIME IN
 MINUTES PER FOOT
 Rate of Penetration Decreases ↑

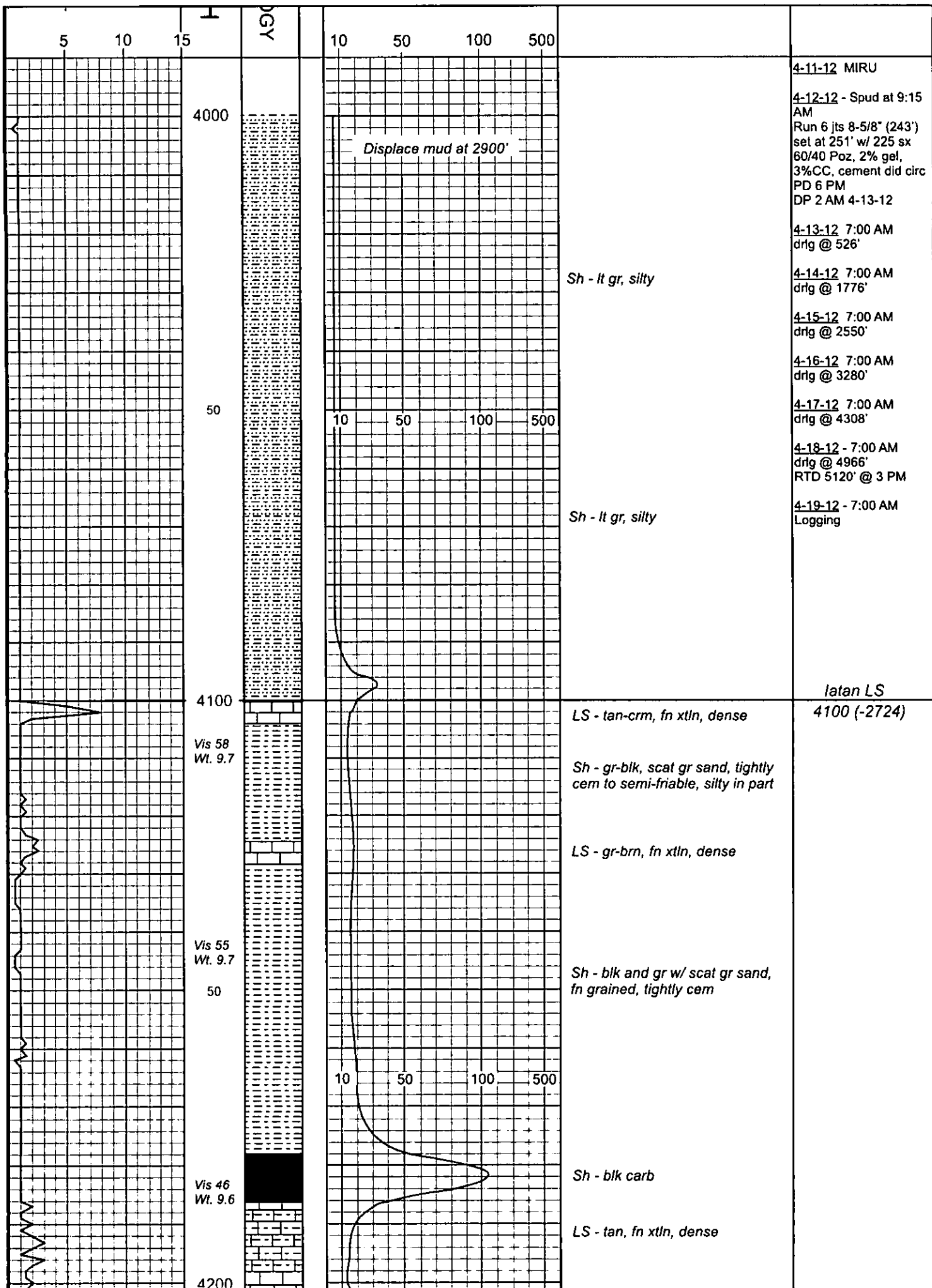
GAS SCALE

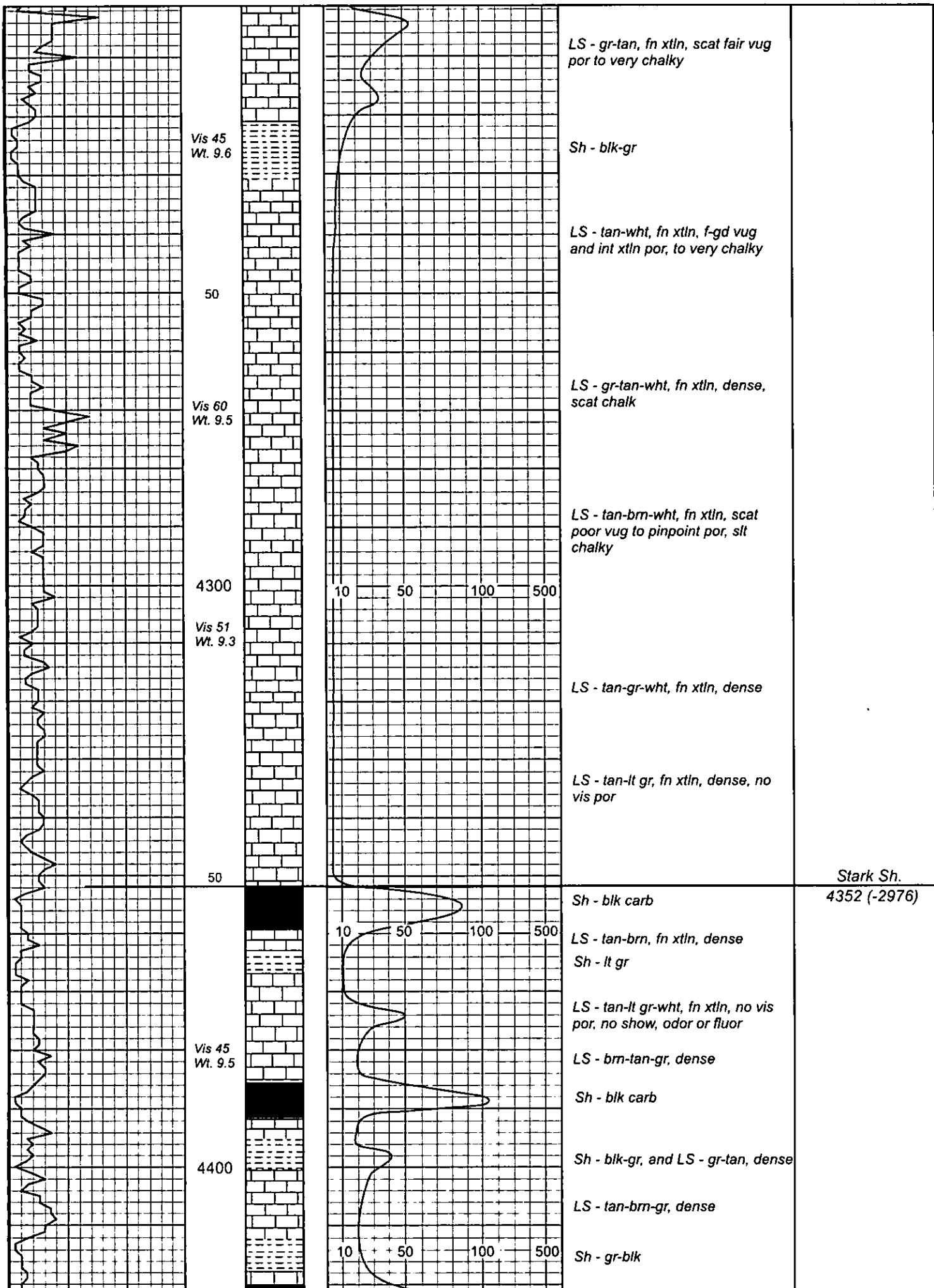
LITHOLOG

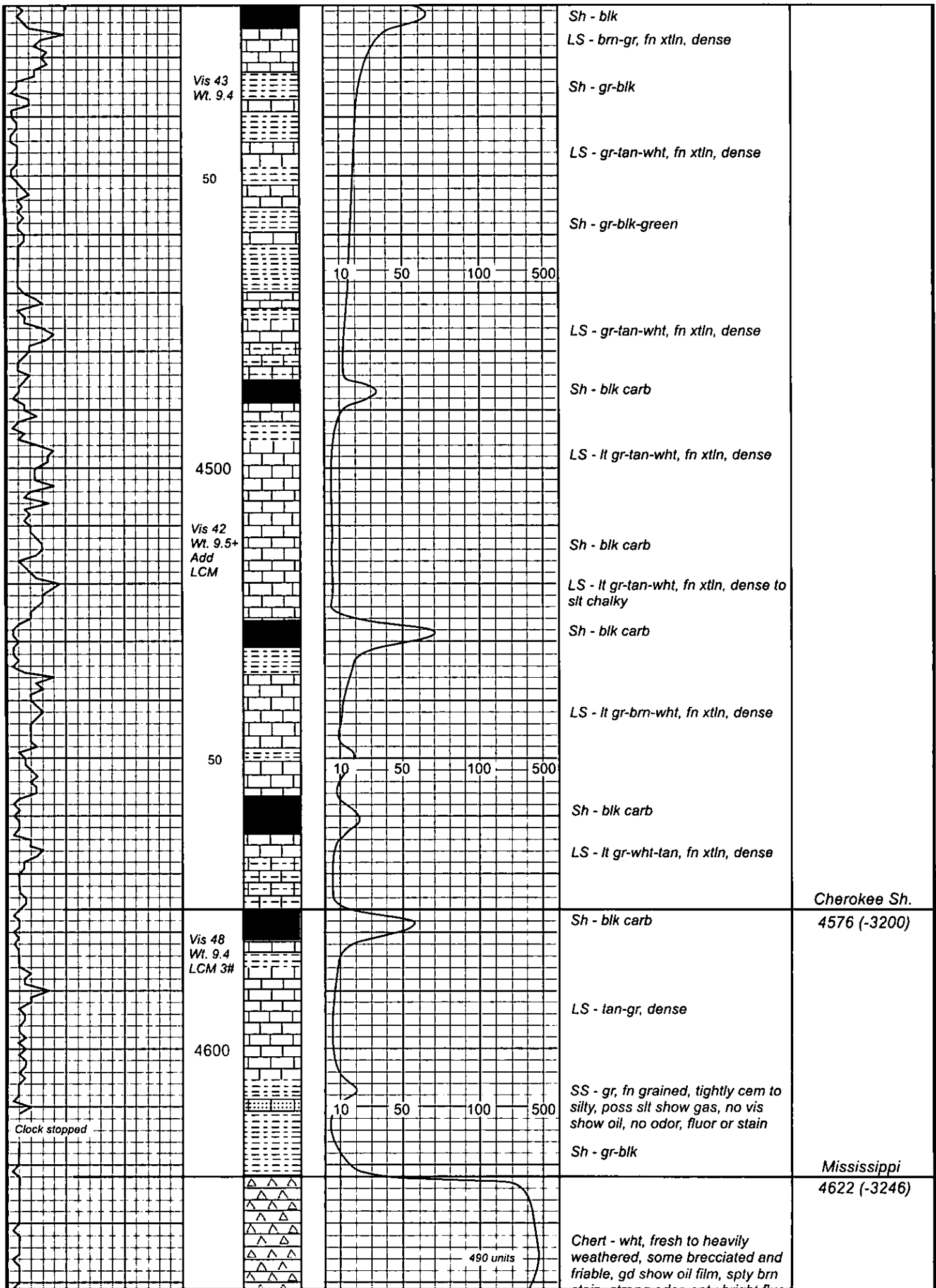
DEPTH

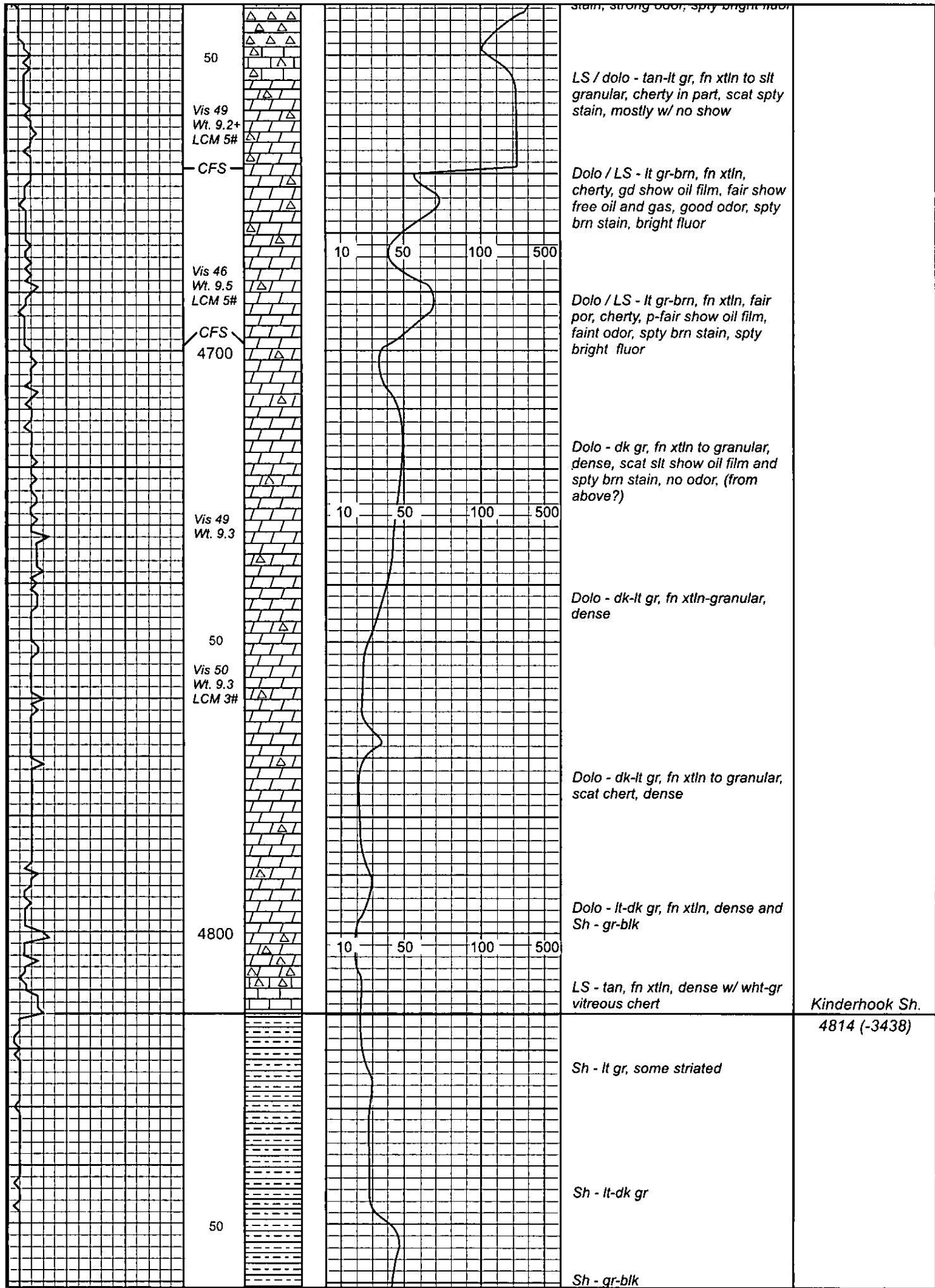
REMARKS

SAMPLE DESCRIPTION









50

Vis 49
Wt. 9.2+
LCM 5#

CFS

Vis 46
Wt. 9.5
LCM 5#

CFS
4700

Vis 49
Wt. 9.3

50

Vis 50
Wt. 9.3
LCM 3#

4800

50

10 50 100 500

10 50 100 500

10 50 100 500

stain, strong odor, spty bright fluor

LS / dolo - tan-lt gr, fn xtlr to slt granular, cherty in part, scat spty stain, mostly w/ no show

Dolo / LS - lt gr-brn, fn xtlr, cherty, gd show oil film, fair show free oil and gas, good odor, spty brn stain, bright fluor

Dolo / LS - lt gr-brn, fn xtlr, fair por, cherty, p-fair show oil film, faint odor, spty brn stain, spty bright fluor

Dolo - dk gr, fn xtlr to granular, dense, scat slt show oil film and spty brn stain, no odor, (from above?)

Dolo - dk-lt gr, fn xtlr-granular, dense

Dolo - dk-lt gr, fn xtlr to granular, scat chert, dense

Dolo - lt-dk gr, fn xtlr, dense and Sh - gr-blk

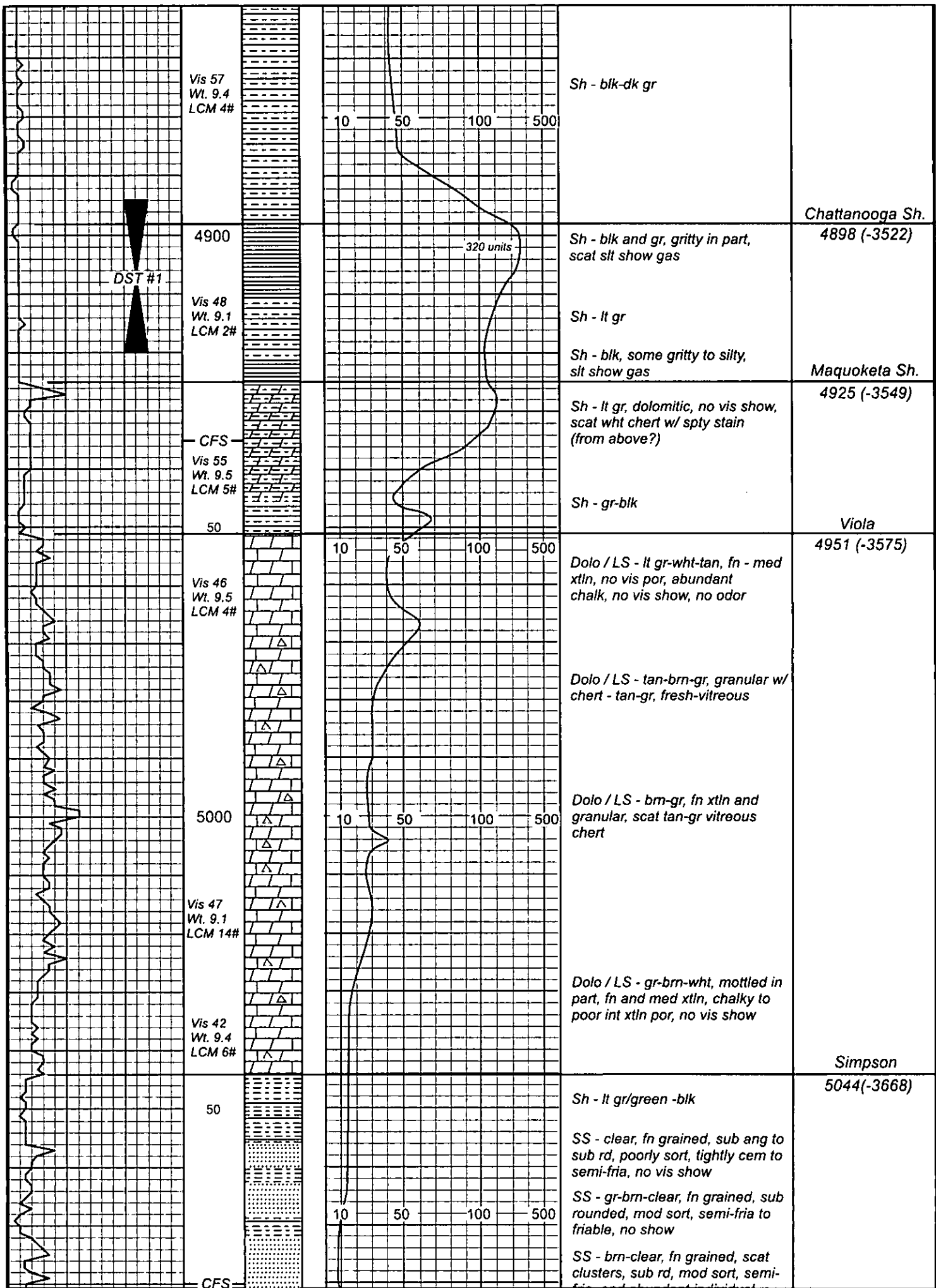
LS - tan, fn xtlr, dense w/ wht-gr vitreous chert

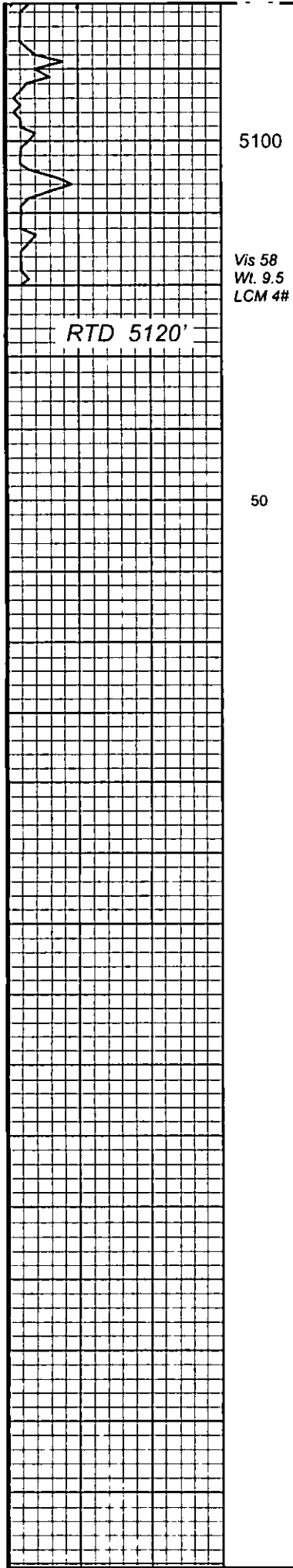
Kinderhook Sh.
4814 (-3438)

Sh - lt gr, some striated

Sh - lt-dk gr

Sh - gr-blk



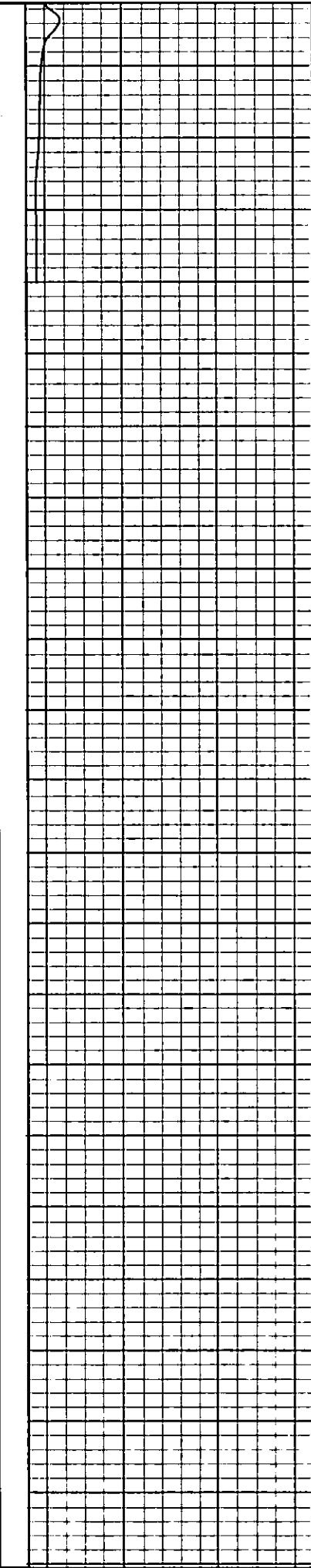
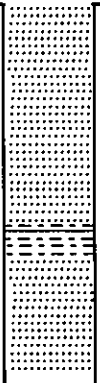


5100

Vis 58
Wt. 9.5
LCM 4#

RTD 5120'

50



ma, and abundant individual
sub ang quartz grains, no vis
show, no odor, no fluor
SS - brn-wht-clear, fn-vfn grained,
sub rounded, poorly sort, dk min
inclusions, semi-fria to friable,
no show
Sh - gr-blk, slt pyritic, and tightly
cem sand
SS - wht-lt gr, fn-v fn grained,
well sort, dk mineral inclusions,
tightly cem to semi-fria, no show