



KANSAS CORPORATION COMMISSION 1075148
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 # _____

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
- Conv. to GSW
- Plug Back: _____ Plug Back Total Depth _____
- Commingled Permit #: _____
- Dual Completion Permit #: _____
- SWD Permit #: _____
- ENHR Permit #: _____
- GSW Permit #: _____

Spud Date or Recompletion Date Date Reached TD Completion Date or Recompletion Date

API No. 15 - _____

Spot Description: _____

_____-_____-_____- Sec. _____ Twp. _____ S. R. _____ East West

_____ Feet from North / South Line of Section

_____ Feet from East / West Line of Section

Footages Calculated from Nearest Outside Section Corner:

- NE NW SE SW

County: _____

Lease Name: _____ Well #: _____

Field Name: _____

Producing Formation: _____

Elevation: Ground: _____ Kelly Bushing: _____

Total 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

- Letter of Confidentiality Received
Date: _____
- Confidential Release Date: _____
- Wireline Log Received
- Geologist Report Received
- UIC Distribution
- ALT I II III Approved by: _____ Date: _____



1075148

Operator Name: _____ Lease Name: _____ Well #: _____

Sec. _____ Twp. _____ S. R. _____ East West County: _____

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 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 Electric Log Submitted Electronically <input type="checkbox"/> Yes <input type="checkbox"/> No <i>(If no, Submit Copy)</i> List All E. Logs Run:	<input type="checkbox"/> Log Formation (Top), Depth and Datum <input type="checkbox"/> Sample Name Top Datum
---	---

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

ADDITIONAL CEMENTING / SQUEEZE RECORD				
Purpose:	Depth Top Bottom	Type of Cement	# Sacks Used	Type and Percent Additives
_____ 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

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) (Submit ACO-4)</i> <input type="checkbox"/> Other (Specify) _____	PRODUCTION INTERVAL: _____ _____
---	--	--

Jane

ALLIED CEMENTING CO., LLC. 037976

Federal Tax I.D.# 20-5975804

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

SERVICE POINT:
Med. Labett

DATE <u>12-4-11</u>	SEC. <u>15</u>	TWP. <u>34s</u>	RANGE <u>11w</u>	CALLED OUT	ON LOCATION	JOB START <u>2:30 am</u>	JOB FINISH <u>4:00 am</u>
LEASE <u>MAR</u>	WELL# <u>B-9</u>	LOCATION <u>Gerlone + Bethel Rd, 2 south</u>			COUNTY <u>Barber</u>	STATE <u>KS</u>	
OLD OR <u>NEW</u> (Circle one)		<u>1 west 5 into</u>					

CONTRACTOR Hocht Res 1
 TYPE OF JOB production
 HOLE SIZE 7 7/8 T.D. 5072'
 CASING SIZE 5 1/2 DEPTH 5055'
 TUBING SIZE DEPTH
 DRILL PIPE DEPTH
 TOOL DEPTH
 PRES. MAX 1300 psi MINIMUM
 MEAS. LINE SHOE JOINT 31'
 CEMENT LEFT IN CSG. 31'
 PERFS.
 DISPLACEMENT 124 bbls 2% KCL

OWNER N-10 Exploration
 CEMENT
 AMOUNT ORDERED 500 gal ASF, 15 gal Clapro
405x 60:40, 47 gal + 14 1/2 sms
1505x clastro + 10% salt + 5% Kolseal

EQUIPMENT
 PUMP TRUCK CEMENTER Matt Thomas
 # 360/1265 HELPER Jason Thomas
 BULK TRUCK
 # 364 DRIVER Adam Miller
 BULK TRUCK
 # DRIVER

COMMON <u>24</u> SK @ <u>16.25</u>	<u>390.00</u>
POZMIX <u>16</u> SK @ <u>8.50</u>	<u>136.00</u>
GEL <u>2</u> SK @ <u>21.25</u>	<u>42.50</u>
CHLORIDE @	
ASC @	
<u>H</u> <u>150</u> SK @ <u>19.25</u>	<u>2887.00</u>
<u>Salt</u> <u>15</u> SK @ <u>12.00</u>	<u>180.00</u>
<u>Kolseal</u> <u>750</u> @ <u>-89</u>	<u>667.50</u>
<u>ASF</u> <u>500</u> Gal @ <u>1.22</u>	<u>610.00</u>
<u>Clapro</u> <u>15</u> Gal @ <u>31.25</u>	<u>468.75</u>
	@
	@
	@
HANDLING <u>222</u> @ <u>2.25</u>	<u>499.50</u>
MILEAGE <u>222/15/11</u>	<u>366.30</u>
TOTAL <u>6272.55</u>	

REMARKS:
Bck circ pump ball through
pump 80 bbls 2% KCL + 3 H₂O + 50 gal ASF + 3 H₂O
mix 15x for Rothole
mix 25x scabber
mix 150 SK cement sheildown wash pump + lines
Release plus 0.5% with 2% KCL
solift at 92 bbls bump day at 124 bbls
800 to 1300 psi
Float hold.

SERVICE

DEPTH OF JOB <u>5055'</u>	
PUMP TRUCK CHARGE	<u>2405.00</u>
EXTRA FOOTAGE @	
MILEAGE <u>30</u> @ <u>7.00</u>	<u>210.00</u>
MANIFOLD <u>Hand Rental</u> @	<u>200.00</u>
<u>light vehicle</u> <u>50</u> @ <u>4.00</u>	<u>120.00</u>
	@
TOTAL <u>2935.00</u>	

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

5/2 PLUG & FLOAT EQUIPMENT

<u>1- Res. guide shoe</u> @	<u>100.80</u>
<u>1- H₂O insert</u> @	<u>112.00</u>
<u>10- scratchers</u> @ <u>23.94</u>	<u>239.40</u>
<u>8- centralizers</u> @ <u>32.20</u>	<u>257.60</u>
<u>1- Rubber plug</u> @	<u>66.00</u>
TOTAL <u>775.80</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 9983.35
 DISCOUNT 20% IF PAID IN 30 DAYS
N2+ 7986.68

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' #9

FIELD Landis

LOCATION 2310' FNL & 690' FEL

SEC 15 TWPSP 34S RGE 11W

COUNTY Barber STATE Kansas

CONTRACTOR Hardt Drilling Rig #1

SPUD 11-28-2011 COMP 12-03-2011

RTD 5073 LTD 5072

MUD UP 2891 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 2900 to RTD

GEOLOGIST ON WELL Tim Pierce

ELEVATIONS

KB 1367'

DF _____

GL 1357'

Measurements Are All
From Kelly Bushing

CASING

CONDUCTOR _____

SURFACE 8-5/8" at 269'

PRODUCTION 5-1/2" at 5065'

ELECTRICAL

SURVEYS

DIL / CN-CD

Log-Tech

FORMATION TOPS

ELECTRIC LOG

SAMPLE

Heebner Sh. 3652 (-2285) NA

Iatan LS. 4094 (-2727) 4091 (-2724)

Stark Sh. 4335 (-2968) 4333 (-2966)

Cherokee Sh. 4558 (-3191) 4557 (-3190)

Mississippi 4606 (-3239) 4606 (-3239)

Chattanooga Sh. 4884 (-3517) 4885 (-3518)

Viola 4938 (-3571) 4935 (-3568)

Simpson 5031 (-3664) 5027 (-3660)

15



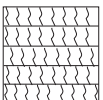
API # 15-007-23,764

REMARKS Samples and electric logs indicate a probable pay zone in the Mississippi from 4608'-4708'.

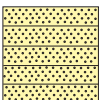
Sample shows and/or gas kicks were noted in the Meisner Sand from 4911'-4912'; Chattanooga Shale from 4884'-4894'; and in the Pawnee LS from 4520'-4524'. There were no other zones of interest indicated by samples or electric logs.

Timothy G. Pierce

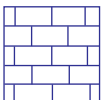
LEGEND



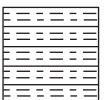
Anhydrite



Sandstone



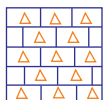
Limestone



Shale



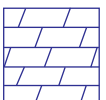
Carb Sh



Cherty LS



Chert



Dolomite

DEPTI

LITHOLC

GAS SCALE

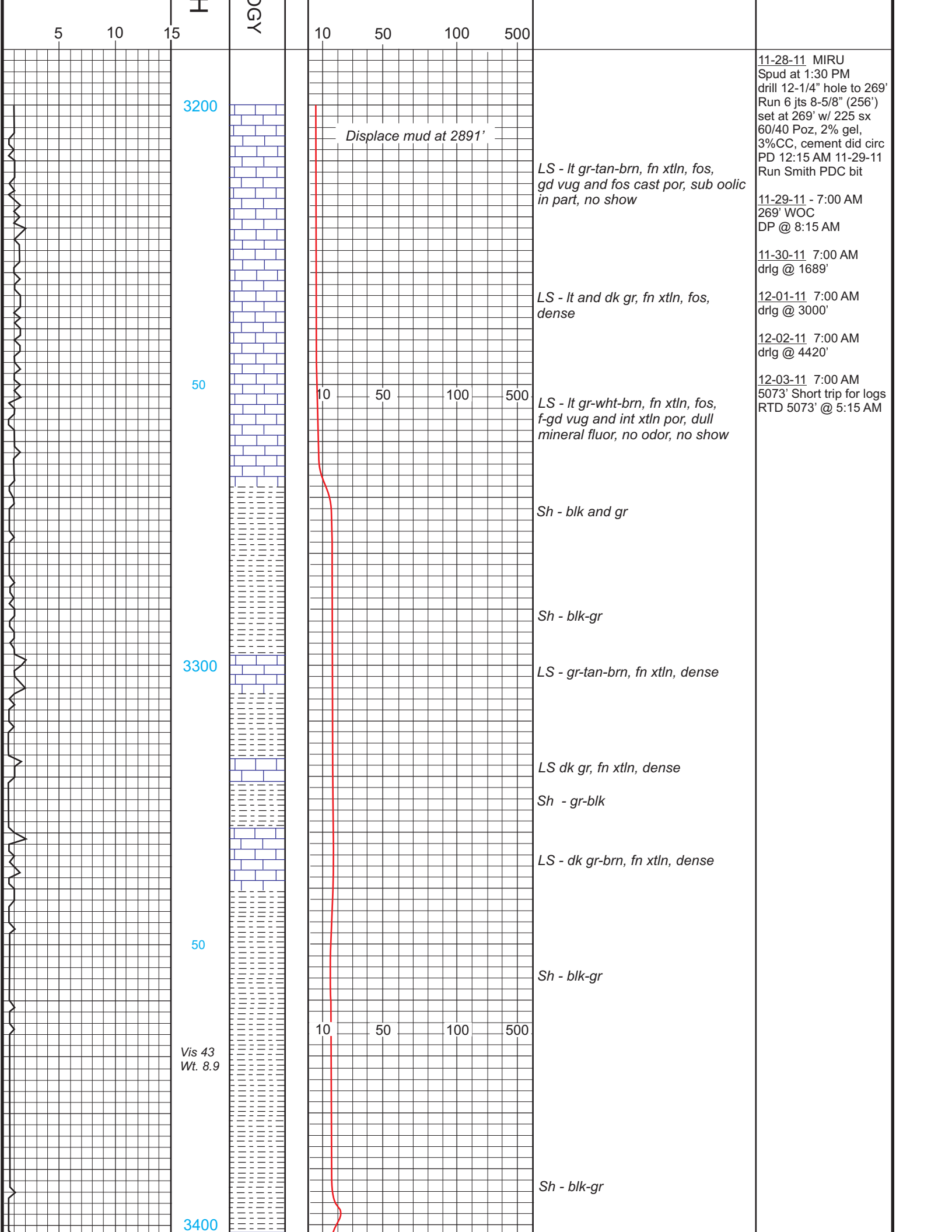
SAMPLE DESCRIPTION

REMARKS

DRILLING TIME IN MINUTES PER FOOT

Rate of Penetration Decreases





5 10 15

OGY

10 50 100 500

3200

Displace mud at 2891'

LS - lt gr-tan-brn, fn xtln, fos, gd vug and fos cast por, sub oolic in part, no show

11-28-11 MIRU
Spud at 1:30 PM
drill 12-1/4" hole to 269'
Run 6 jts 8-5/8" (256')
set at 269' w/ 225 sx
60/40 Poz, 2% gel,
3%CC, cement did circ
PD 12:15 AM 11-29-11
Run Smith PDC bit

11-29-11 - 7:00 AM
269' WOC
DP @ 8:15 AM

11-30-11 7:00 AM
drlg @ 1689'

LS - lt and dk gr, fn xtln, fos, dense

12-01-11 7:00 AM
drlg @ 3000'

12-02-11 7:00 AM
drlg @ 4420'

50

10 50 100 500

LS - lt gr-wht-brn, fn xtln, fos, f-gd vug and int xtln por, dull mineral fluor, no odor, no show

12-03-11 7:00 AM
5073' Short trip for logs
RTD 5073' @ 5:15 AM

Sh - blk and gr

Sh - blk-gr

3300

LS - gr-tan-brn, fn xtln, dense

LS dk gr, fn xtln, dense

Sh - gr-blk

LS - dk gr-brn, fn xtln, dense

50

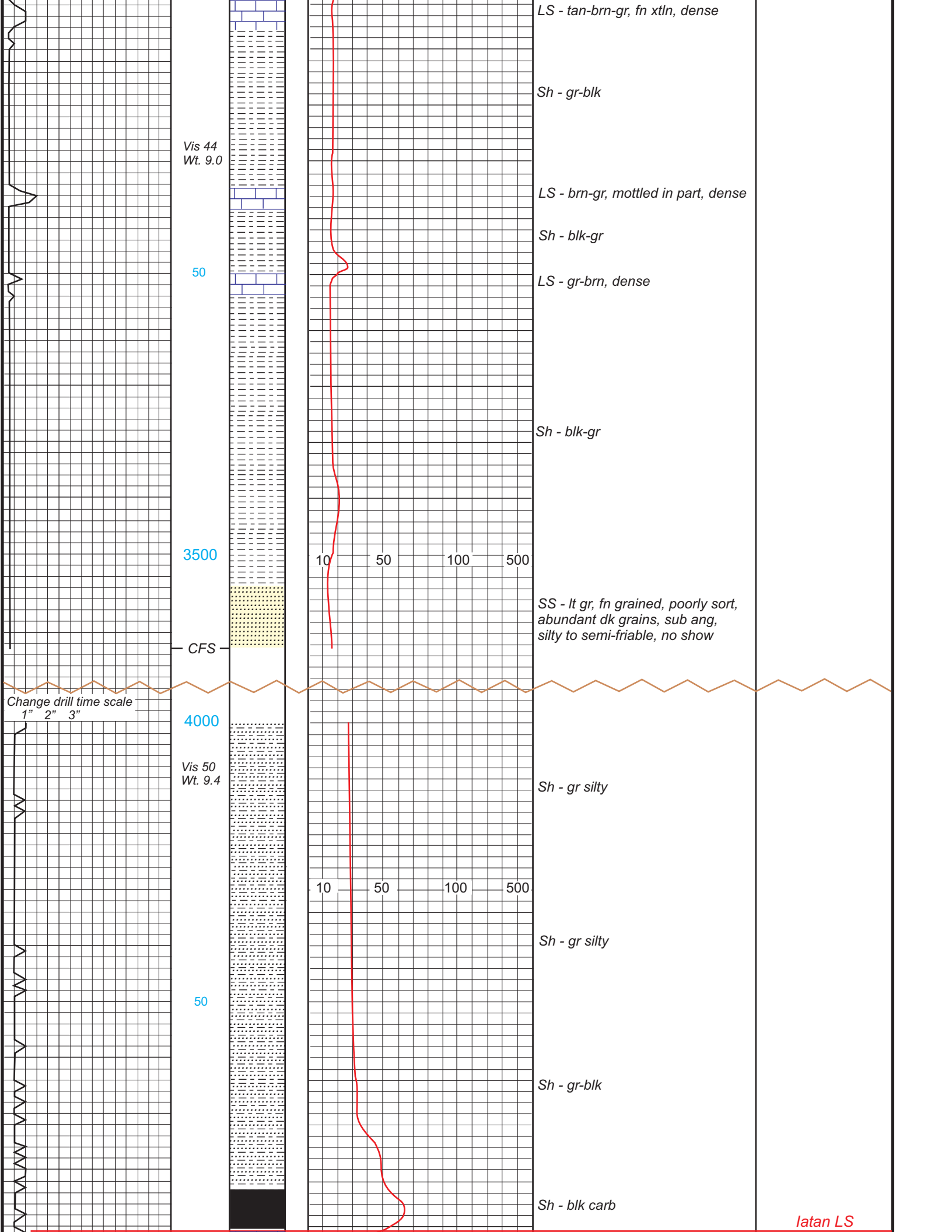
Sh - blk-gr

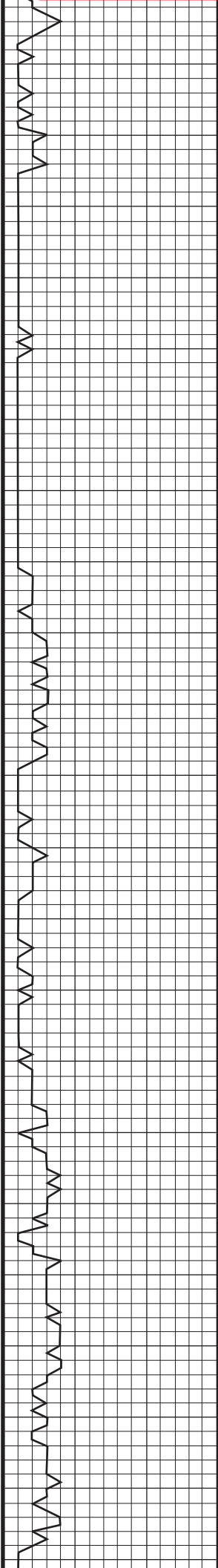
Vis 43
Wt. 8.9

10 50 100 500

Sh - blk-gr

3400





4100

Vis 50
Wt. 9.6

50

4200

Vis 48
Wt. 9.6

50

Vis 47
Wt. 9.5

4300

10 50 100 500

10 50 100 500

10 50 100 500

LS - brn-tan, fn xtln, dense

LS - gr-brn, dense

Sh - gr-blk, silty in part, scat gr-wht sand, semi-friable, no show

Sh - gr-blk

Sh - blk carb

LS - gr-wht, fn xtln, slt fos, no vis por, no odor, dull fluor, no vis show

Sh - blk-gr

LS - tan-crm-lt gr, fn xtln, fos, gd vug and int xtln por, scat chalk, no show

LS - gr-tan, fn xtln, dense to slt chalky

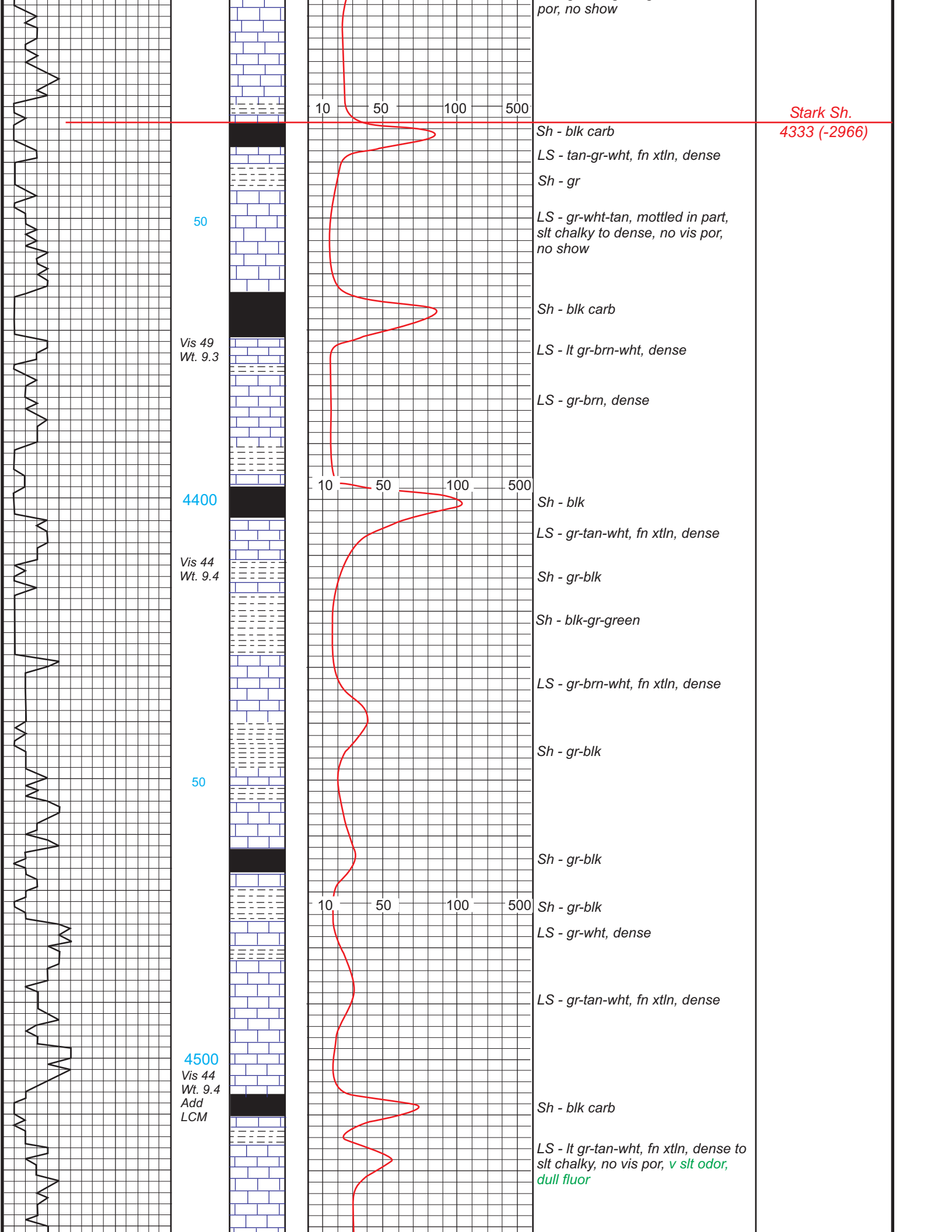
LS - gr-tan-wht, fn xtln, dense

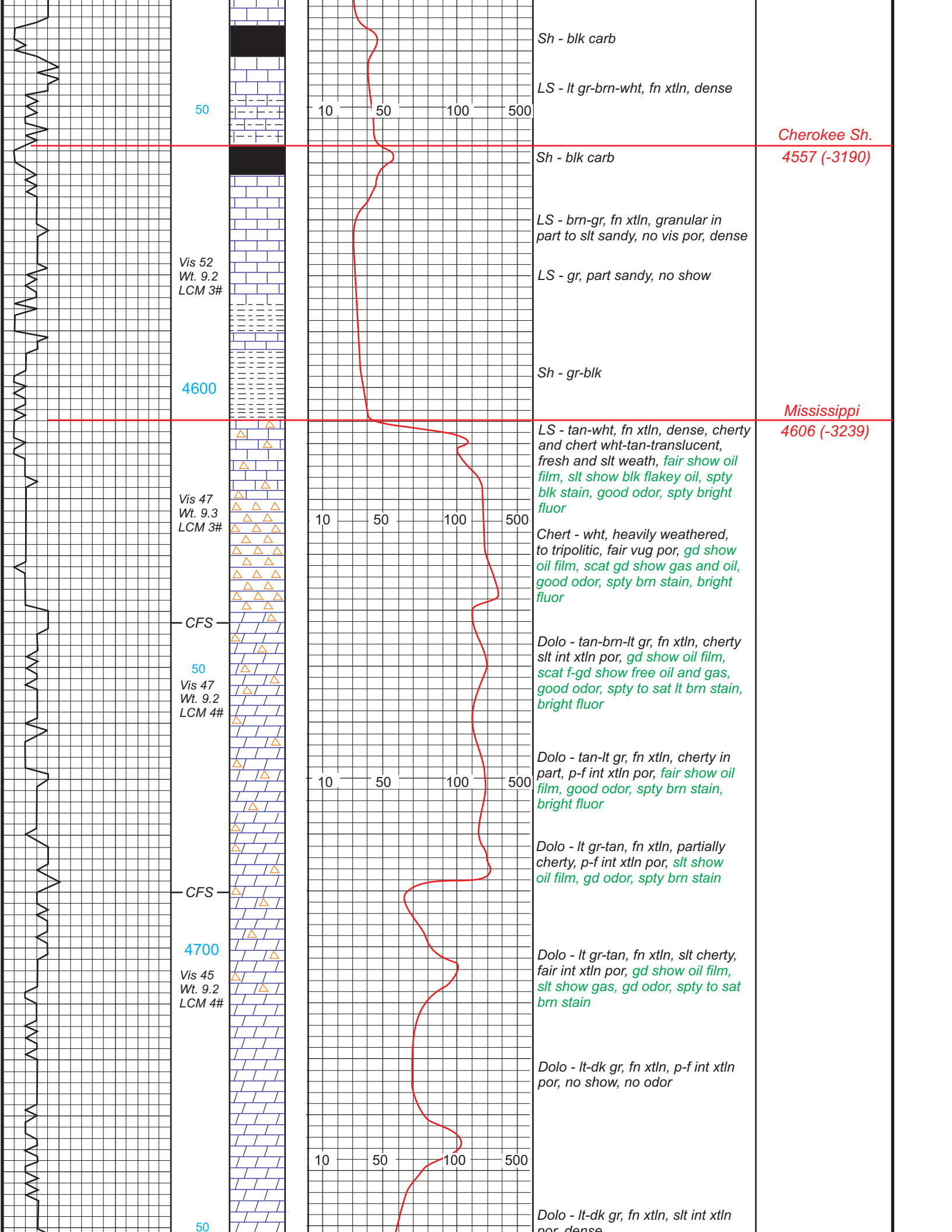
LS - tan-gr, fn xtln, scat fair pinpoint and int xtln por, scat chalk

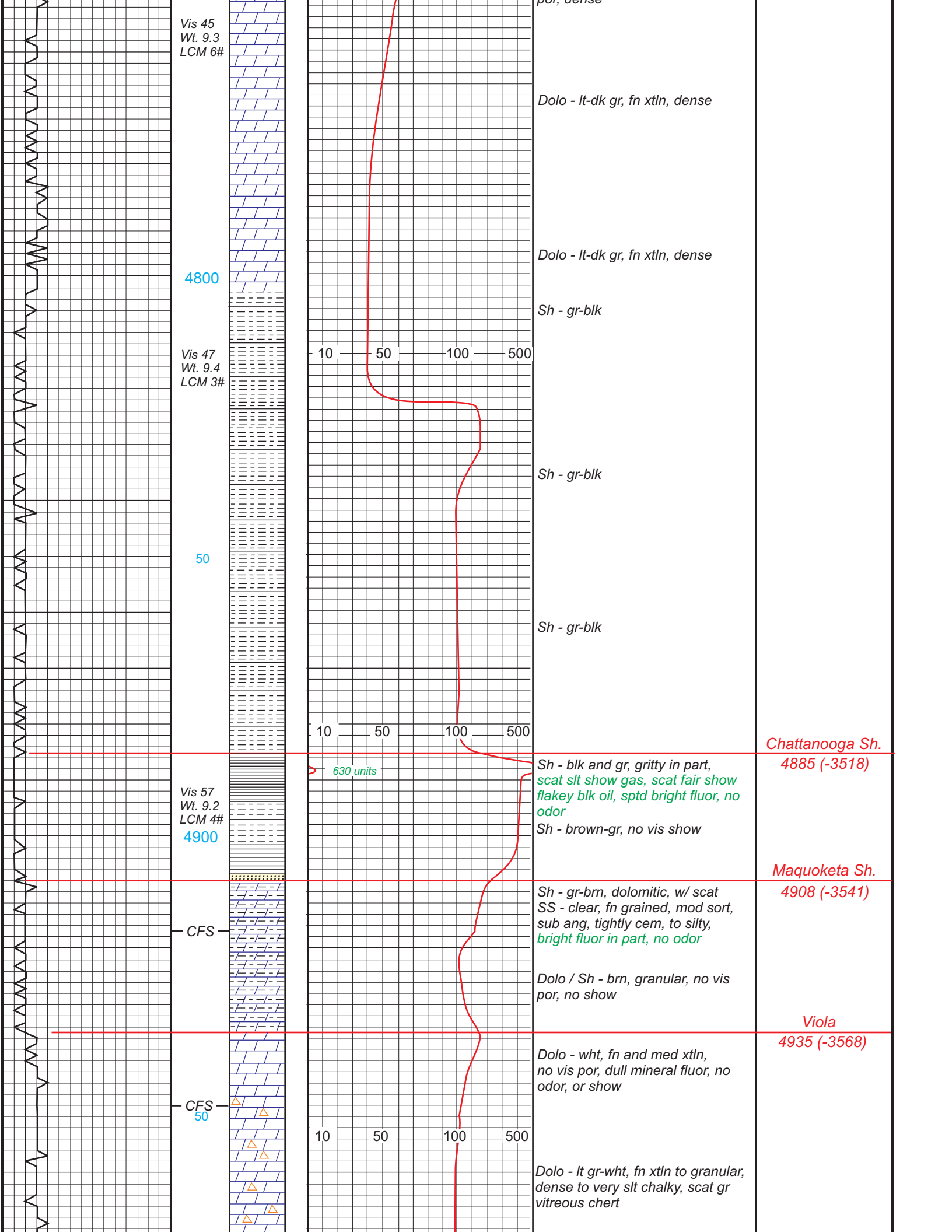
LS - lt gr-tan, fn xtln, dense

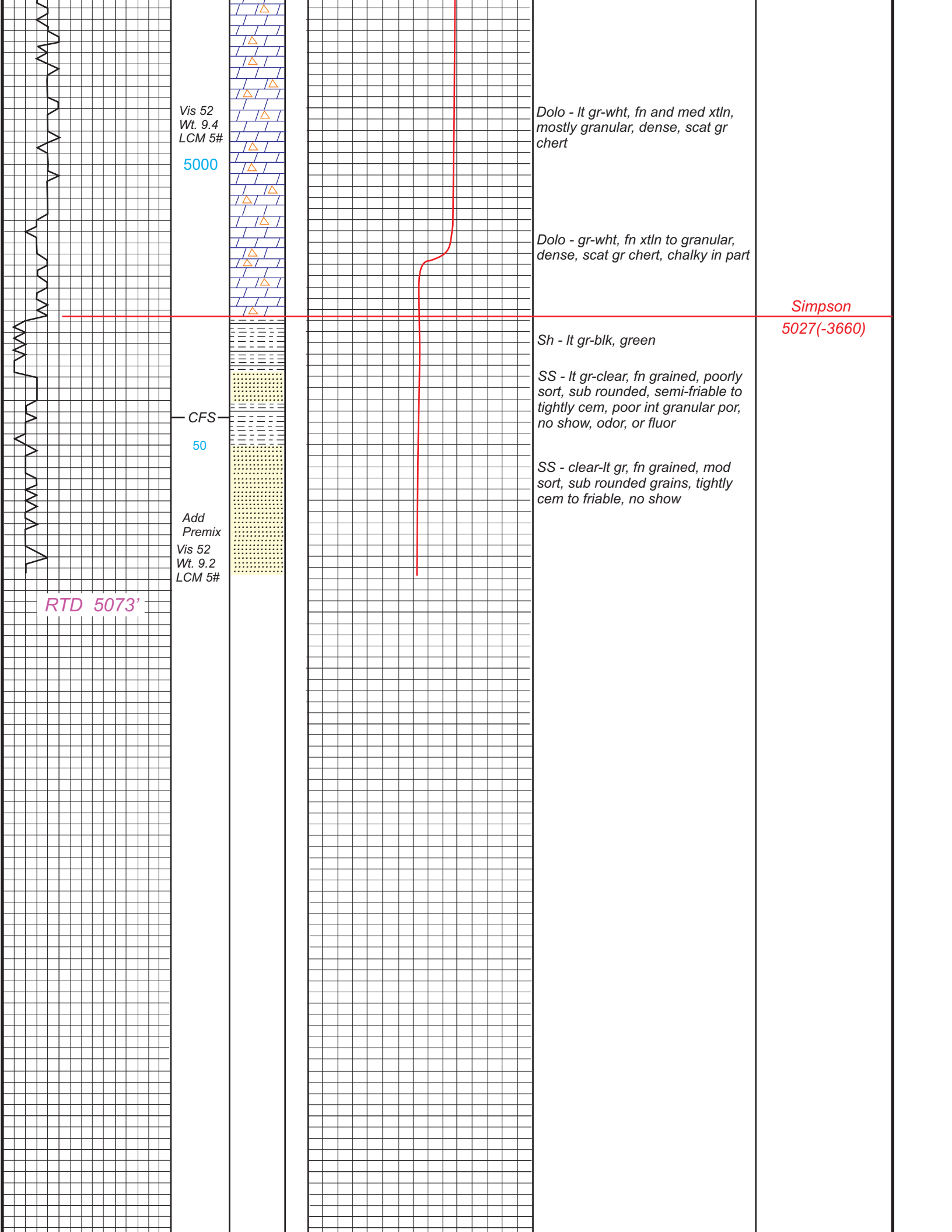
LS - gr-wht, fn xtln, dense to part chalky

LS - gr-brn, gd vug and oolitic









Vis 52
Wt. 9.4
LCM 5#

5000

CFS

50

Add
Premix
Vis 52
Wt. 9.2
LCM 5#

RTD 5073'

Dolo - lt gr-wht, fn and med xtl,
mostly granular, dense, scat gr
chert

Dolo - gr-wht, fn xtl to granular,
dense, scat gr chert, chalky in part

Sh - lt gr-blk, green

SS - lt gr-clear, fn grained, poorly
sort, sub rounded, semi-friable to
tightly cem, poor int granular por,
no show, odor, or fluor

SS - clear-lt gr, fn grained, mod
sort, sub rounded grains, tightly
cem to friable, no show

Simpson
5027(-3660)

