



**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: \_\_\_\_\_



1093798

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
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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
_____ 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
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<b>DISPOSITION OF GAS:</b> <input type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease <i>(If vented, Submit ACO-18.)</i>	<b>METHOD OF COMPLETION:</b> <input type="checkbox"/> Open Hole <input type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled <i>(Submit ACO-5)</i> <i>(Submit ACO-4)</i> <input type="checkbox"/> Other (Specify) _____	<b>PRODUCTION INTERVAL:</b> _____ _____
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# ALLIED CEMENTING CO., LLC. 038069

Federal Tax I.D.# 20-5975804

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

SERVICE POINT:  
*Medicine Lodge KS*

DATE <i>06/14/12</i>	SEC. <i>17</i>	TWP. <i>31s</i>	RANGE <i>08w</i>	CALLED OUT	ON LOCATION	JOB START	JOB FINISH
LEASE <i>Albright</i>	WELL# <i>3</i>		LOCATION <i>May Plant, 2s to rd. 130th Kc, Ns</i>		COUNTY <i>Harper</i>	STATE <i>Ks</i>	
OLD OR <u>NEW</u> (Circle one)							

CONTRACTOR *Handt* OWNER *R&B oil & gas*

TYPE OF JOB *Surface*

HOLE SIZE *12 1/4* T.D. \_\_\_\_\_

CASING SIZE *8 7/8* DEPTH *255*

TUBING SIZE \_\_\_\_\_ DEPTH \_\_\_\_\_

DRILL PIPE \_\_\_\_\_ DEPTH \_\_\_\_\_

TOOL \_\_\_\_\_ DEPTH \_\_\_\_\_

PRES. MAX *200* MINIMUM *N/A*

MEAS. LINE \_\_\_\_\_ SHOE JOINT *N/A*

CEMENT LEFT IN CSG. *20'*

PERFS. \_\_\_\_\_

DISPLACEMENT *15 Bbls Fresh H<sub>2</sub>O*

CEMENT AMOUNT ORDERED *195 s x 60' 40' 3/8cc + 2 1/2 gal*

COMMON <i>Class A</i>	<i>117s @ 16.25</i>	<i>1901.25</i>
POZMIX	<i>78s @ 8.50</i>	<i>663.00</i>
GEL	<i>4s @ 21.25</i>	<i>85.00</i>
CHLORIDE	<i>7s @ 58.20</i>	<i>407.40</i>
ASC	@	
	@	
	@	
	@	
	@	
	@	
	@	
	@	
	@	

EQUIPMENT

PUMP TRUCK CEMENTER *D. Felio*

# *360-265* HELPER *B. Goins*

BULK TRUCK

# *364* DRIVER *B. Boor*

BULK TRUCK

# \_\_\_\_\_ DRIVER \_\_\_\_\_

HANDLING *209* *210* *439.97*

MILEAC *8.30/25/2.35* *317.24*

TOTAL *4013.86*

REMARKS:

*See Job log*

*Hx*

SERVICE

DEPTH OF JOB	<i>255</i>	
PUMP TRUCK CHARGE		<i>1125.00</i>
EXTRA FOOTAGE	@	
MILEAGE	<i>25 @ 7.00</i>	<i>175.00</i>
MANIFOLD	<i>NA @ N/A</i>	
<i>light vehicle</i>	<i>25 @ 4.00</i>	<i>100.00</i>
	@	
TOTAL		<i>1400.00</i>

CHARGE TO: *R&B*

STREET \_\_\_\_\_

CITY \_\_\_\_\_ STATE \_\_\_\_\_ ZIP \_\_\_\_\_

PLUG & FLOAT EQUIPMENT

*NONE*

@ \_\_\_\_\_

@ \_\_\_\_\_

@ \_\_\_\_\_

@ \_\_\_\_\_

@ \_\_\_\_\_

TOTAL \_\_\_\_\_

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 *5413.86*

DISCOUNT *20%* IF PAID IN 30 DAYS

*NET 4331.08*

PRINTED NAME *Scott C. Ad-herdt*

SIGNATURE *Scott C. Ad-herdt*

# ALLIED OIL & GAS SERVICES, LLC 053820

Federal Tax I.D.# 20-5975804

ADDRESS: P.O. BOX 31  
RUSSELL, KANSAS 67665

SERVICE POINT: Medicine Lodge, KS

DATE <u>06/21/2012</u>	SEC. <u>17</u>	TWP. <u>31s</u>	RANGE <u>8w</u>	CALLED OUT	ON LOCATION	JOB START	JOB FINISH
LEASE <u>Albright</u>	WELL# <u>3</u>	LOCATION <u>Attea KS, North to 130<sup>th</sup></u>		COUNTY <u>Harper</u>	STATE <u>KS</u>		
OLD OR NEW (Circle one) <u>NEW</u>		<u>1/4 East, North into</u>					

CONTRACTOR Hardt #1 OWNER R+B Oil & Gas

TYPE OF JOB Production

HOLE SIZE 7 7/8 T.D. 4915 CEMENT AMOUNT ORDERED 40sx 60:40 4% Gel + .4%

CASING SIZE 5 1/2 DEPTH 4911.36 SMS, 150sx Class H + 10% salt + 5# Kalscal,

TUBING SIZE DEPTH 500gal ASF, 14gal KCl

DRILL PIPE DEPTH

TOOL DEPTH

PRES. MAX 1300 MINIMUM

MEAS. LINE SHOE JOINT 42.33

CEMENT LEFT IN CSG. 42.33

PERFS.

DISPLACEMENT 120 1/2 bbls 5% KCl

**EQUIPMENT**

PUMP TRUCK CEMENTER Sason Thinesch

# 471/302 HELPER Ron Guiley

BULK TRUCK

# 364 DRIVER Garret Mclemore

BULK TRUCK DRIVER

**REMARKS:**

Plug held

Thank you

CHARGE TO: R+B Oil & Gas

STREET

CITY STATE ZIP

To: Allied Oil & Gas Services, 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.

PRINTED NAME TIM PIERCE

SIGNATURE Tim Pierce

CEMENT

AMOUNT ORDERED 40sx 60:40 4% Gel + .4%

SMS, 150sx Class H + 10% salt + 5# Kalscal,

500gal ASF, 14gal KCl

COMMON Class H 150sx @ 19.25 2887.50

POZMIX 16sx @ 8.50 136

GEL 2sx @ 21.25 42.50

CHLORIDE @

ASC @

COMMON Class A 24sx @ 16.25 390

SMS 13 lb @ 2.00 39

SALT 8 sx @ 23.95 191.60

Kalscal 750 lbs @ .89 667.50

ASF 500gal @ 1.27 635

KCl 14gal @ 31.25 437.50

@

HANDLING 218.04 @ 2.10 457.88

MILEAGE 959 x 25 x 2.35 563.41

TOTAL 6447.89

**SERVICE**

DEPTH OF JOB 4911.36

PUMPTRUCK CHARGE 2405.00

EXTRA FOOTAGE @

MILEAGE 25 @ 7 175

MANIFOLD + Head @ 200

LV 25 @ 4 100

@

TOTAL 2880

**PLUG & FLOAT EQUIPMENT**

5 1/2  
Centralizers 8 @ 49 392

Recip scratchers 10 @ 118 1180

AFU insert 1 @ 286 286

Reg Guide Shoe 1 @ 240 240

Rubber plug 1 @ 73 73

TOTAL 2171

SALES TAX (if Any)

TOTAL CHARGES 11498.89

DISCOUNT 20% \$2299.78 IF PAID IN 30 DAYS

Net \$9199.11

# Timothy G. Pierce

## Petroleum Geologist

### GEOLOGIST'S REPORT DRILLING TIME AND SAMPLE LOG

COMPANY R & B Oil and Gas, Inc.

LEASE Albright #3

FIELD Spivey-Grabs-Basil

LOCATION NW SW SE (990' FSL & 2310' FEL)

SEC 17 TWP 31S RGE 8W

COUNTY Harper STATE Kansas

CONTRACTOR Hardt Drilling

SPUD 6-14-2012 COMP 6-21-2012

RTD 4915 LTD 4916

MUD UP 2806 TYPE MUD Chemical

SAMPLES SAVED FROM 2900 TO RTD

DRILLING TIME KEPT FROM 2900 TO RTD

SAMPLES EXAMINED FROM 2900 TO RTD

GEOLOGICAL SUPERVISION FROM 2659 to RTD

GEOLOGIST ON WELL Tim Pierce

#### ELEVATIONS

KB 1620'

DF \_\_\_\_\_

GL 1610'

Measurements Are All  
From Kelly Bushing

#### CASING

CONDUCTOR \_\_\_\_\_

SURFACE 8-5/8" at 255'

PRODUCTION 5-1/2" at 4910'

#### ELECTRICAL

#### SURVEYS

DIL / CN-CD

Log-Tech

#### FORMATION TOPS

#### ELECTRIC LOG

#### SAMPLE

Onaga Sh. 2362 (-742) N/A

Topoka 2965 (-1345) 2963 (-1343)

Heebner Sh. 3410 (-1790) 3406 (-1786)

Lansing 3632 (-2012) 3628 (-2008)

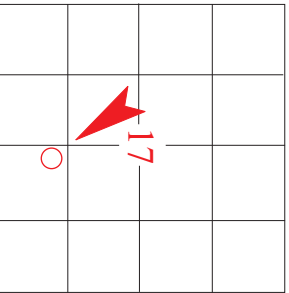
Stark Sh. 4063 (-2443) 4057 (-2437)

Cherokee Sh. 4302 (-2682) 4298 (-2678)

Mississippi 4390 (-2770) 4396 (-2776)

Viola 4740 (-3120) 4740 (-3120)

Simpson 4802 (-3182) 4798 (-3178)



API # 15-077-21,850

REMARKS Samples and electric logs indicate a probable commercial zone in the Mississippi, therefore 5-1/2" casing was run to further treat and test the well.

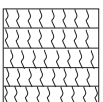
Slight sample shows were observed in the Chattanooga Sh. at 4706-4740, and in the KC 'A' zone from 3956-3958.

A gas kick was registered at approx. 2400' and electric logs indicate a possible zone at 2394-2400.

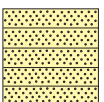
There were no other zones of interest indicated by samples or electric logs.

Timothy G. Pierce

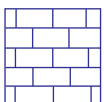
### LEGEND



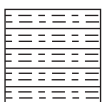
Anhydrite



Sandstone



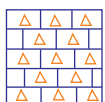
Limestone



Shale



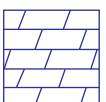
Carb Sh



Cherty LS



Chert



Dolomite

#### DEPT

#### LITHOLG

#### GAS SCALE

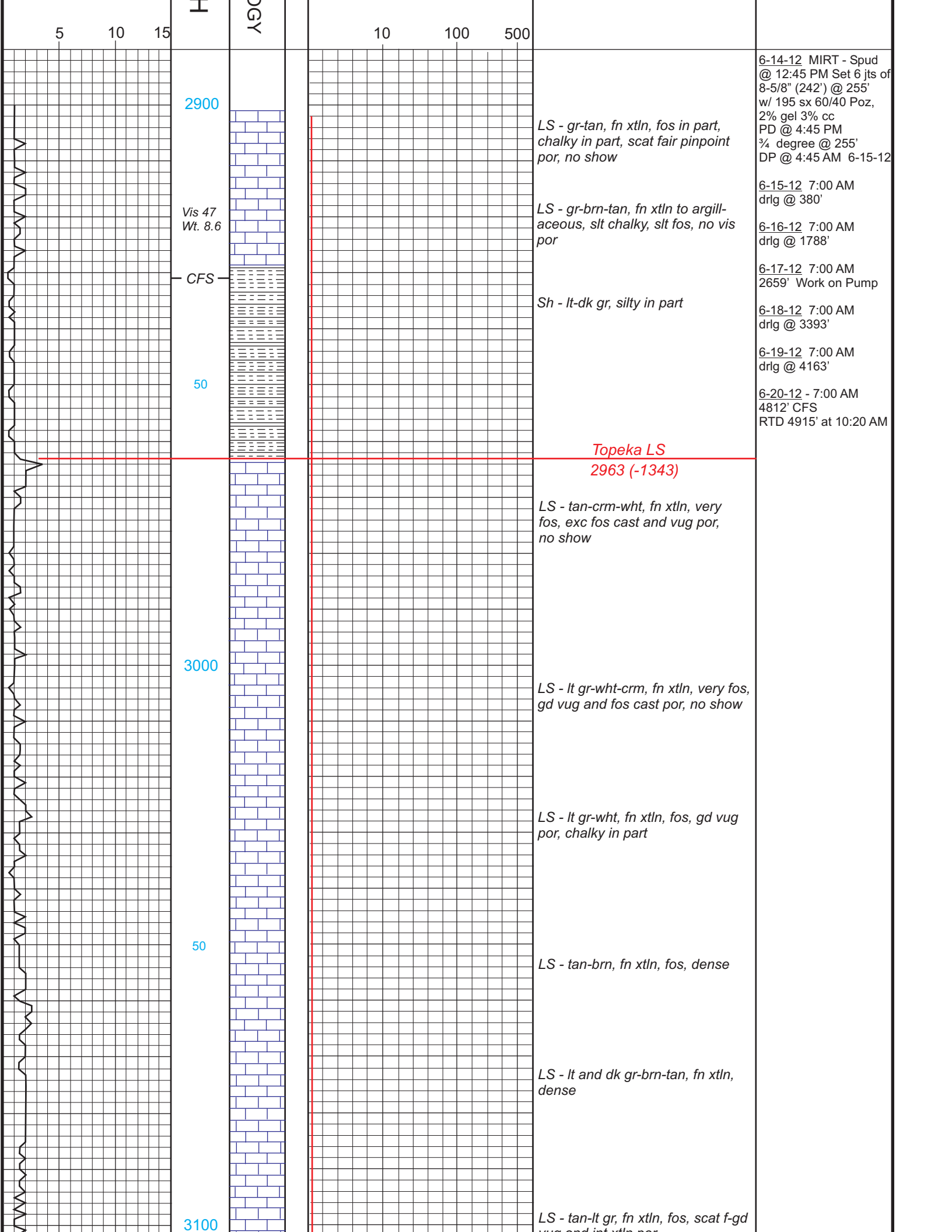
#### SAMPLE DESCRIPTION

#### REMARKS

DRILLING TIME IN  
MINUTES PER FOOT

Rate of Penetration Decreases





5 10 15

H

LITHOLOGY

10 100 500

2900

Vis 47  
Wt. 8.6

CFS

50

3000

50

3100

LS - gr-tan, fn xtl, fos in part, chalky in part, scat fair pinpoint por, no show

LS - gr-brn-tan, fn xtl to argillaceous, slt chalky, slt fos, no vis por

Sh - lt-dk gr, silty in part

**Topeka LS  
2963 (-1343)**

LS - tan-frm-wht, fn xtl, very fos, exc fos cast and vug por, no show

LS - lt gr-wht-frm, fn xtl, very fos, gd vug and fos cast por, no show

LS - lt gr-wht, fn xtl, fos, gd vug por, chalky in part

LS - tan-brn, fn xtl, fos, dense

LS - lt and dk gr-brn-tan, fn xtl, dense

LS - tan-lt gr, fn xtl, fos, scat f-gd vug and int xtl por

6-14-12 MIRT - Spud @ 12:45 PM Set 6 jts of 8-5/8" (242') @ 255' w/ 195 sx 60/40 Poz, 2% gel 3% cc PD @ 4:45 PM 3/4 degree @ 255' DP @ 4:45 AM 6-15-12

6-15-12 7:00 AM drlg @ 380'

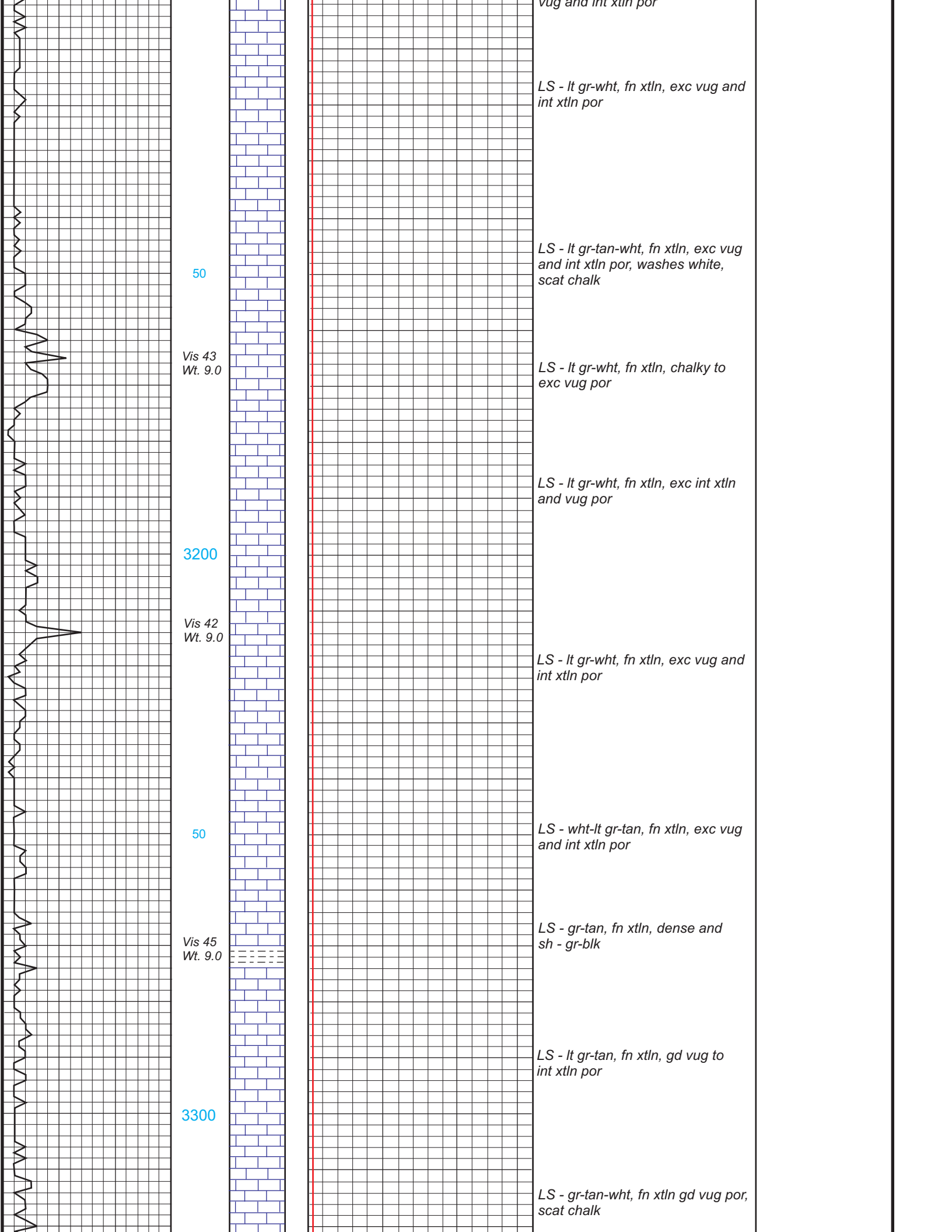
6-16-12 7:00 AM drlg @ 1788'

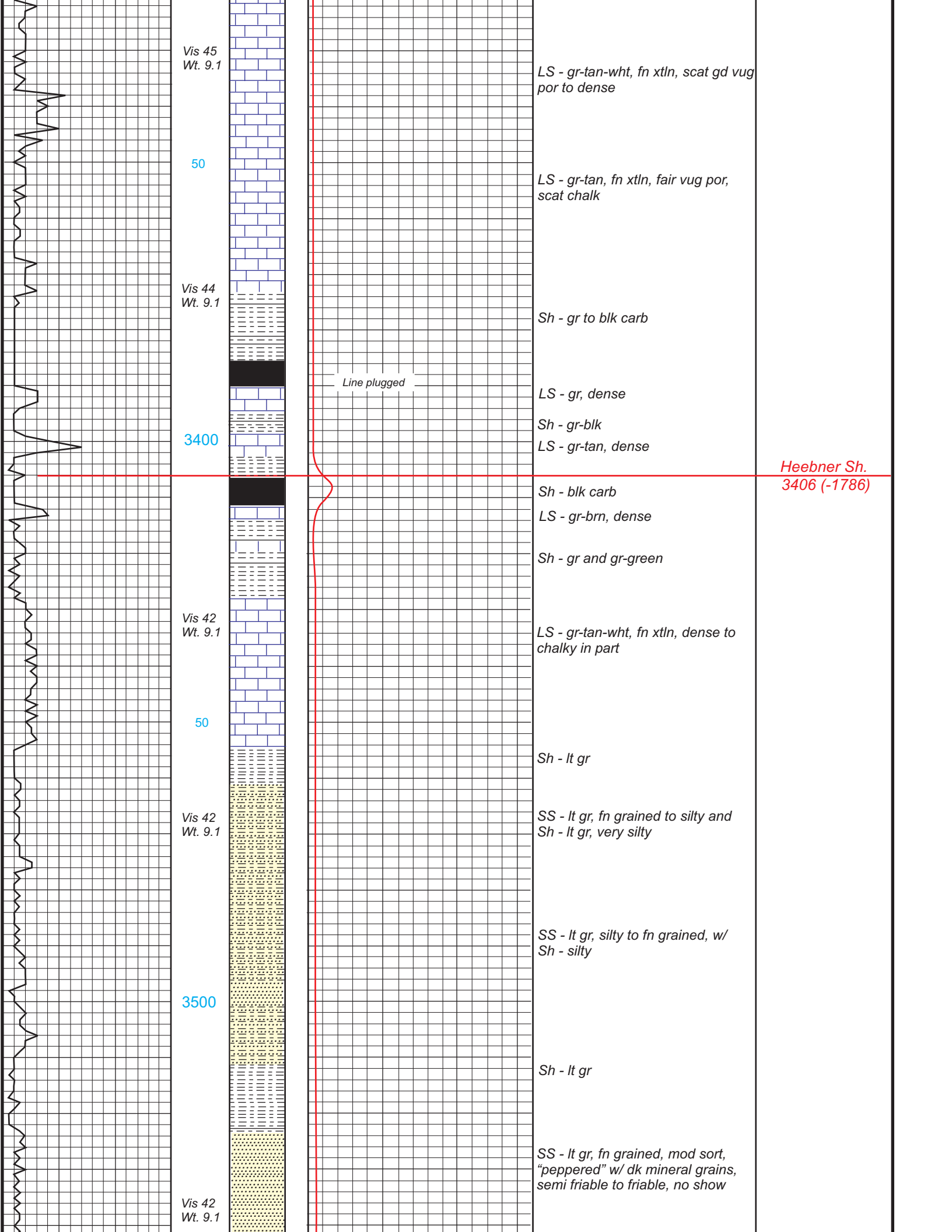
6-17-12 7:00 AM 2659' Work on Pump

6-18-12 7:00 AM drlg @ 3393'

6-19-12 7:00 AM drlg @ 4163'

6-20-12 - 7:00 AM 4812' CFS RTD 4915' at 10:20 AM





Vis 45  
Wt. 9.1

50

Vis 44  
Wt. 9.1

3400

Vis 42  
Wt. 9.1

50

Vis 42  
Wt. 9.1

3500

Vis 42  
Wt. 9.1

Line plugged

LS - gr-tan-wht, fn xtl, scat gd vug por to dense

LS - gr-tan, fn xtl, fair vug por, scat chalk

Sh - gr to blk carb

LS - gr, dense

Sh - gr-blk

LS - gr-tan, dense

Heebner Sh.  
3406 (-1786)

Sh - blk carb

LS - gr-brn, dense

Sh - gr and gr-green

LS - gr-tan-wht, fn xtl, dense to chalky in part

Sh - lt gr

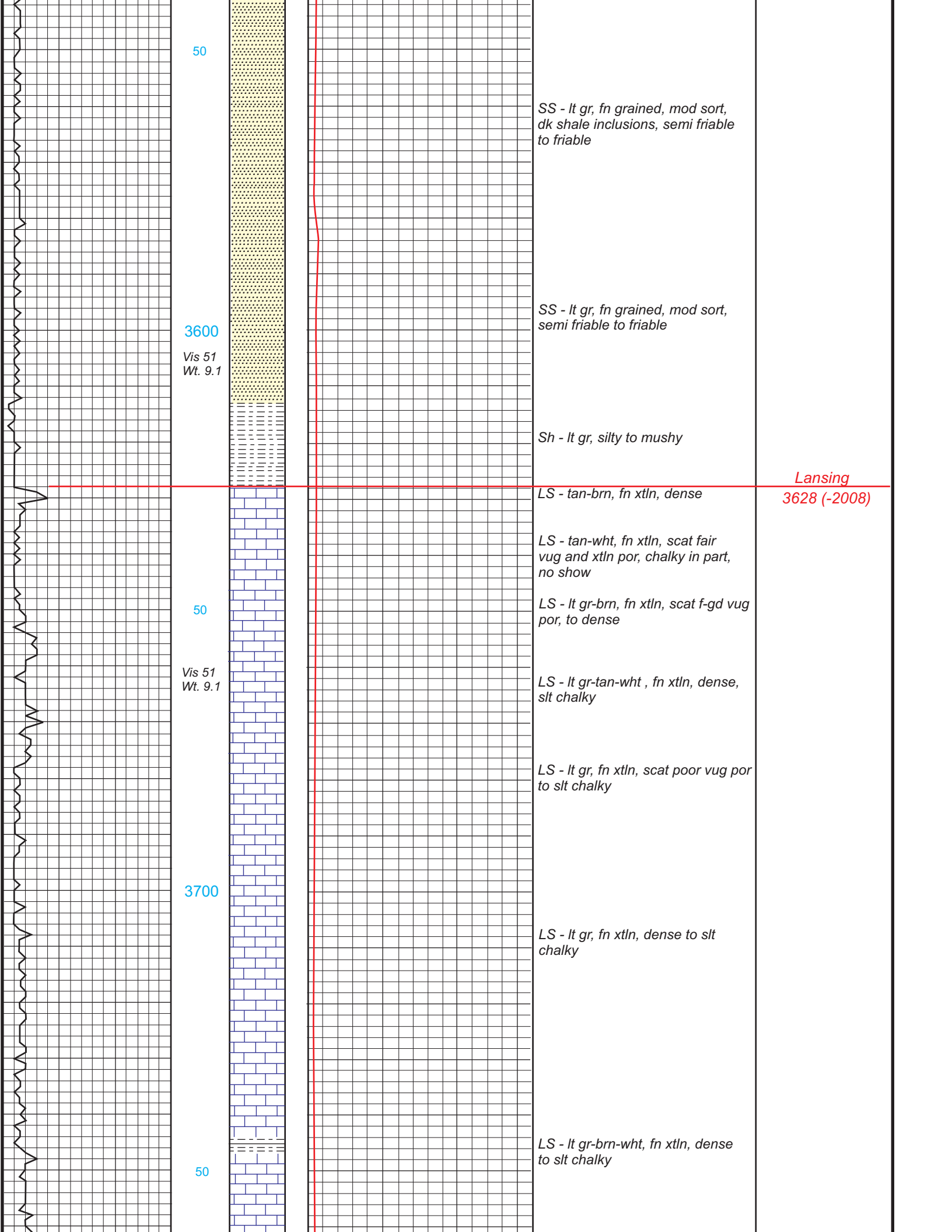
SS - lt gr, fn grained to silty and Sh - lt gr, very silty

SS - lt gr, silty to fn grained, w/ Sh - silty

Sh - lt gr

SS - lt gr, fn grained, mod sort, "peppered" w/ dk mineral grains, semi friable to friable, no show





50

*SS - lt gr, fn grained, mod sort, dk shale inclusions, semi friable to friable*

3600

*SS - lt gr, fn grained, mod sort, semi friable to friable*

Vis 51  
Wt. 9.1

*Sh - lt gr, silty to mushy*

*Lansing  
3628 (-2008)*

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

*LS - tan-wht, fn xtln, scat fair vug and xtln por, chalky in part, no show*

50

*LS - lt gr-brn, fn xtln, scat f-gd vug por, to dense*

Vis 51  
Wt. 9.1

*LS - lt gr-tan-wht, fn xtln, dense, slt chalky*

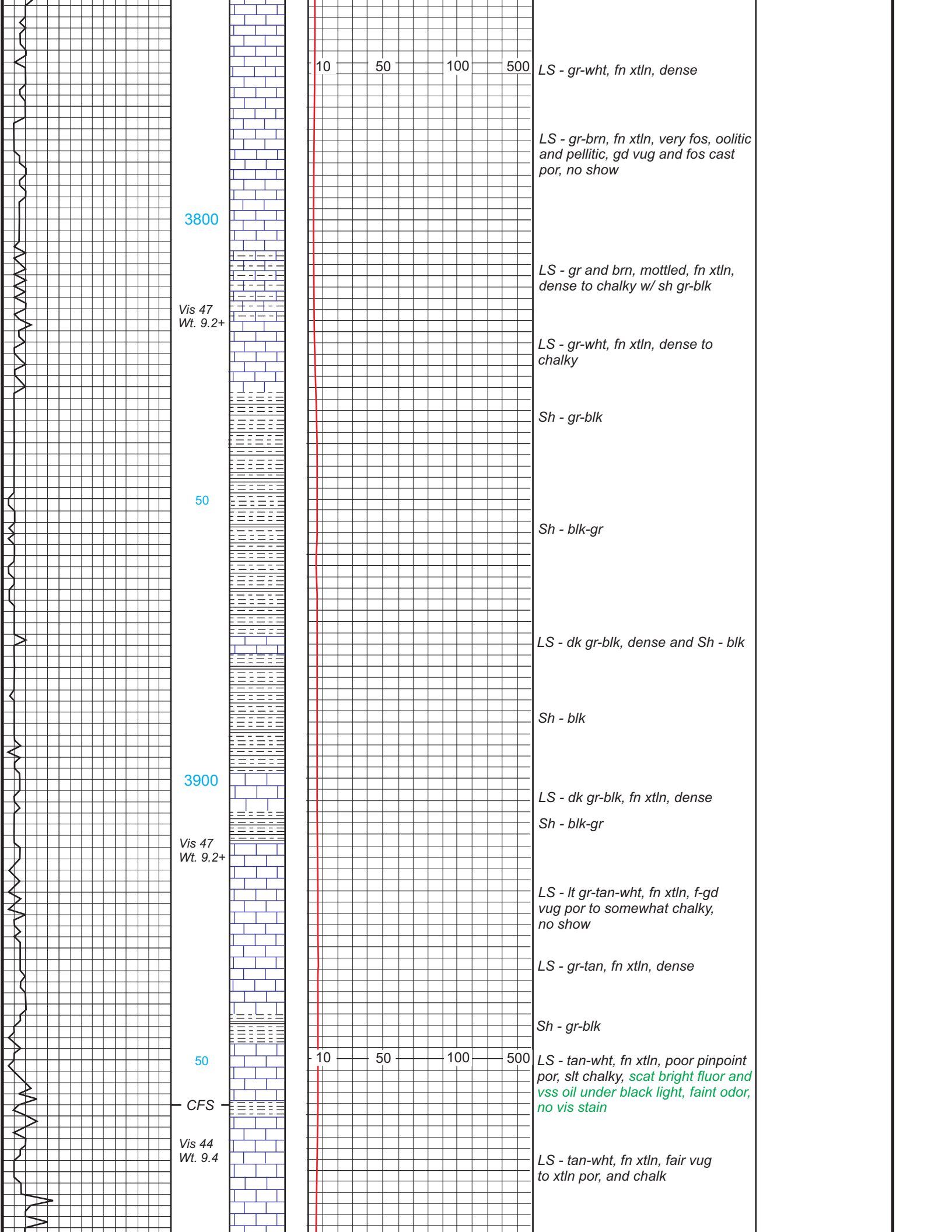
*LS - lt gr, fn xtln, scat poor vug por to slt chalky*

3700

*LS - lt gr, fn xtln, dense to slt chalky*

50

*LS - lt gr-brn-wht, fn xtln, dense to slt chalky*



10 50 100 500

LS - gr-wht, fn xtln, dense

LS - gr-brn, fn xtln, very fos, oolitic and pellicitic, gd vug and fos cast por, no show

3800

LS - gr and brn, mottled, fn xtln, dense to chalky w/ sh gr-blk

Vis 47  
Wt. 9.2+

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

Sh - gr-blk

50

Sh - blk-gr

LS - dk gr-blk, dense and Sh - blk

Sh - blk

3900

LS - dk gr-blk, fn xtln, dense

Vis 47  
Wt. 9.2+

Sh - blk-gr

LS - lt gr-tan-wht, fn xtln, f-gd vug por to somewhat chalky, no show

LS - gr-tan, fn xtln, dense

Sh - gr-blk

50

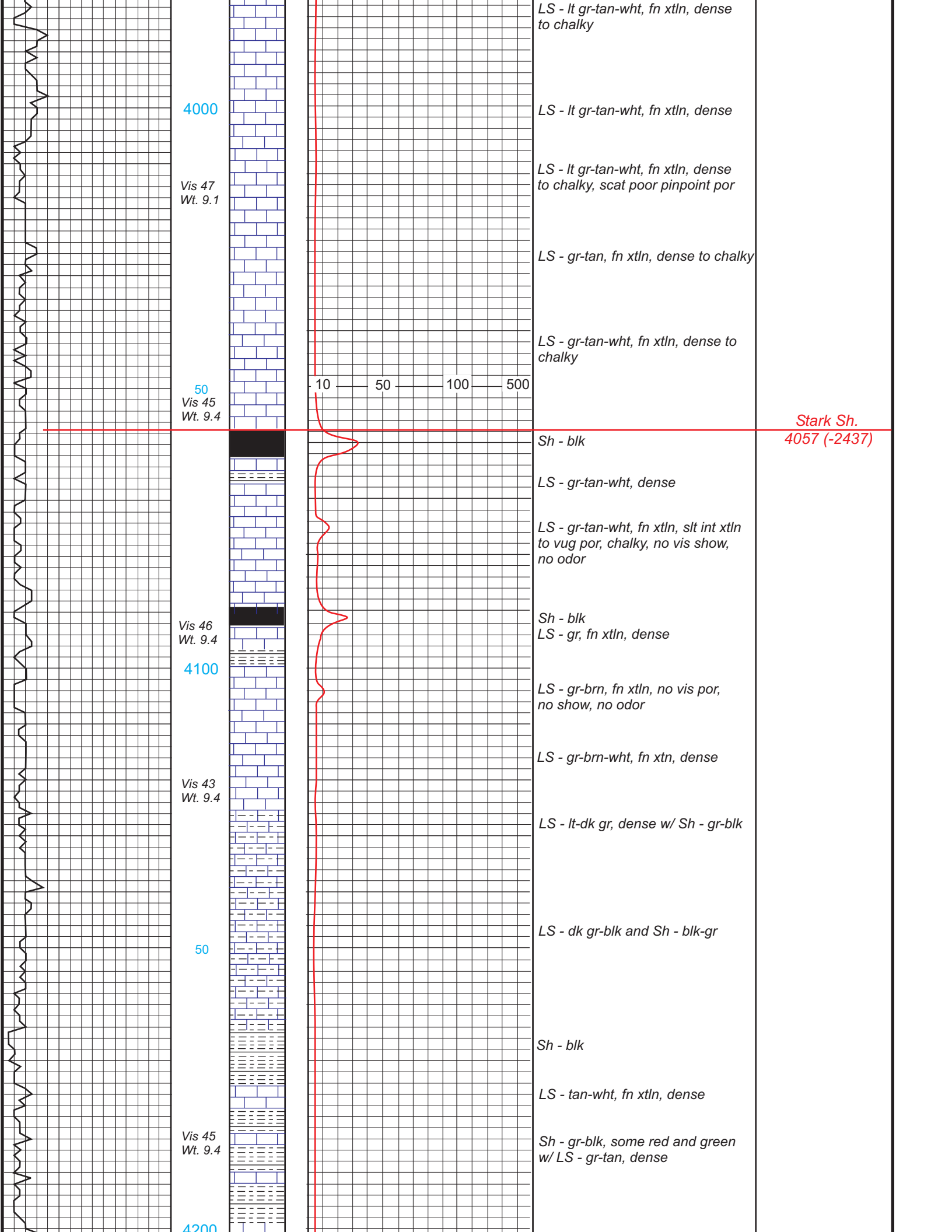
10 50 100 500

LS - tan-wht, fn xtln, poor pinpoint por, slt chalky, scat bright fluor and vss oil under black light, faint odor, no vis stain

CFS

Vis 44  
Wt. 9.4

LS - tan-wht, fn xtln, fair vug to xtln por, and chalk



4000

Vis 47  
Wt. 9.1

50  
Vis 45  
Wt. 9.4

Vis 46  
Wt. 9.4

4100

Vis 43  
Wt. 9.4

50

Vis 45  
Wt. 9.4

4200

LS - lt gr-tan-wht, fn xtl'n, dense to chalky

LS - lt gr-tan-wht, fn xtl'n, dense

LS - lt gr-tan-wht, fn xtl'n, dense to chalky, scat poor pinpoint por

LS - gr-tan, fn xtl'n, dense to chalky

LS - gr-tan-wht, fn xtl'n, dense to chalky

10 50 100 500

Stark Sh.  
4057 (-2437)

Sh - blk

LS - gr-tan-wht, dense

LS - gr-tan-wht, fn xtl'n, slt int xtl'n to vug por, chalky, no vis show, no odor

Sh - blk  
LS - gr, fn xtl'n, dense

LS - gr-brn, fn xtl'n, no vis por, no show, no odor

LS - gr-brn-wht, fn xtl'n, dense

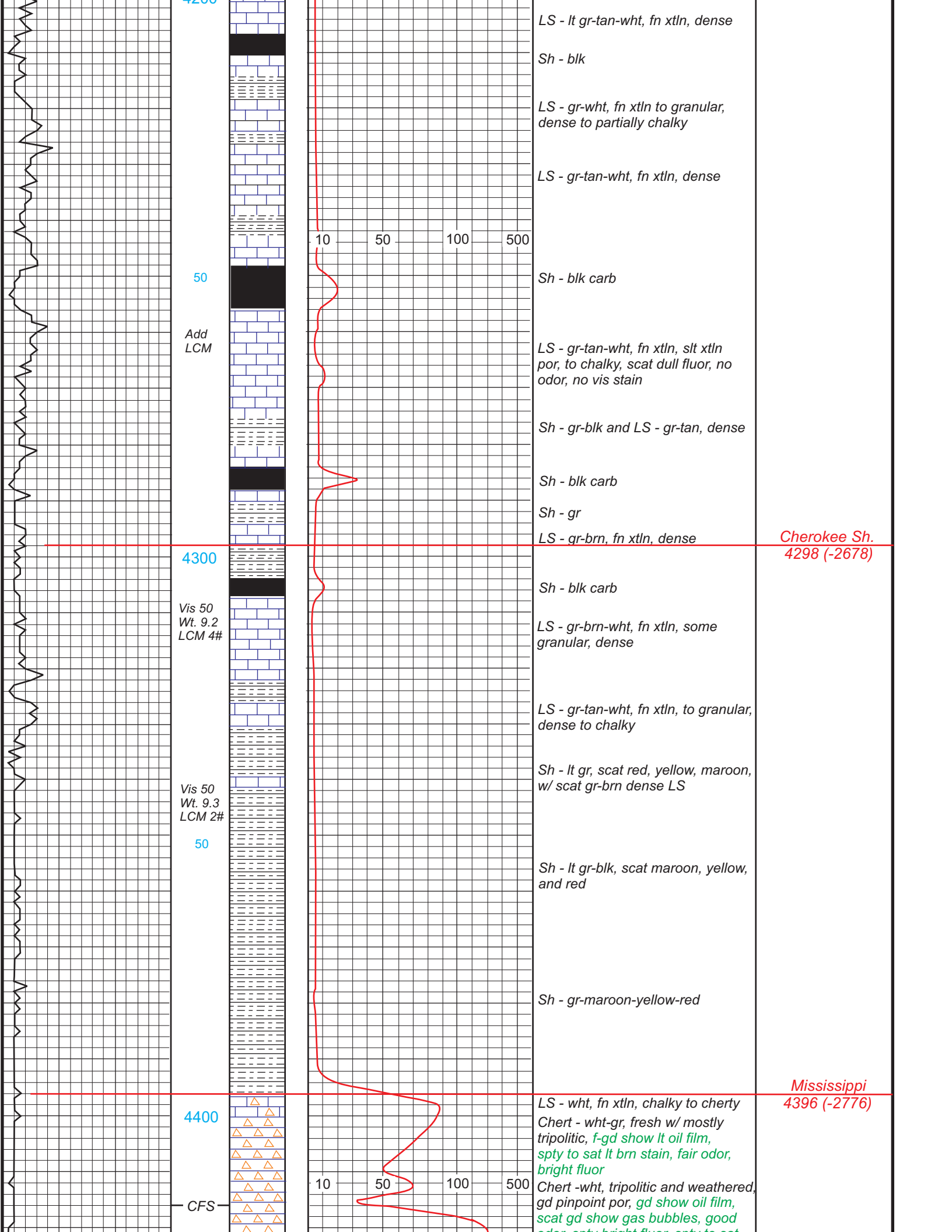
LS - lt-dk gr, dense w/ Sh - gr-blk

LS - dk gr-blk and Sh - blk-gr

Sh - blk

LS - tan-wht, fn xtl'n, dense

Sh - gr-blk, some red and green w/ LS - gr-tan, dense



LS - lt gr-tan-wht, fn xtl'n, dense

Sh - blk

LS - gr-wht, fn xtl'n to granular, dense to partially chalky

LS - gr-tan-wht, fn xtl'n, dense

10 50 100 500

50

Sh - blk carb

Add LCM

LS - gr-tan-wht, fn xtl'n, slt xtl'n por, to chalky, scat dull fluor, no odor, no vis stain

Sh - gr-blk and LS - gr-tan, dense

Sh - blk carb

Sh - gr

LS - gr-brn, fn xtl'n, dense

Cherokee Sh.  
4298 (-2678)

4300

Sh - blk carb

Vis 50  
Wt. 9.2  
LCM 4#

LS - gr-brn-wht, fn xtl'n, some granular, dense

LS - gr-tan-wht, fn xtl'n, to granular, dense to chalky

Sh - lt gr, scat red, yellow, maroon, w/ scat gr-brn dense LS

Vis 50  
Wt. 9.3  
LCM 2#

50

Sh - lt gr-blk, scat maroon, yellow, and red

Sh - gr-maroon-yellow-red

Mississippi  
4396 (-2776)

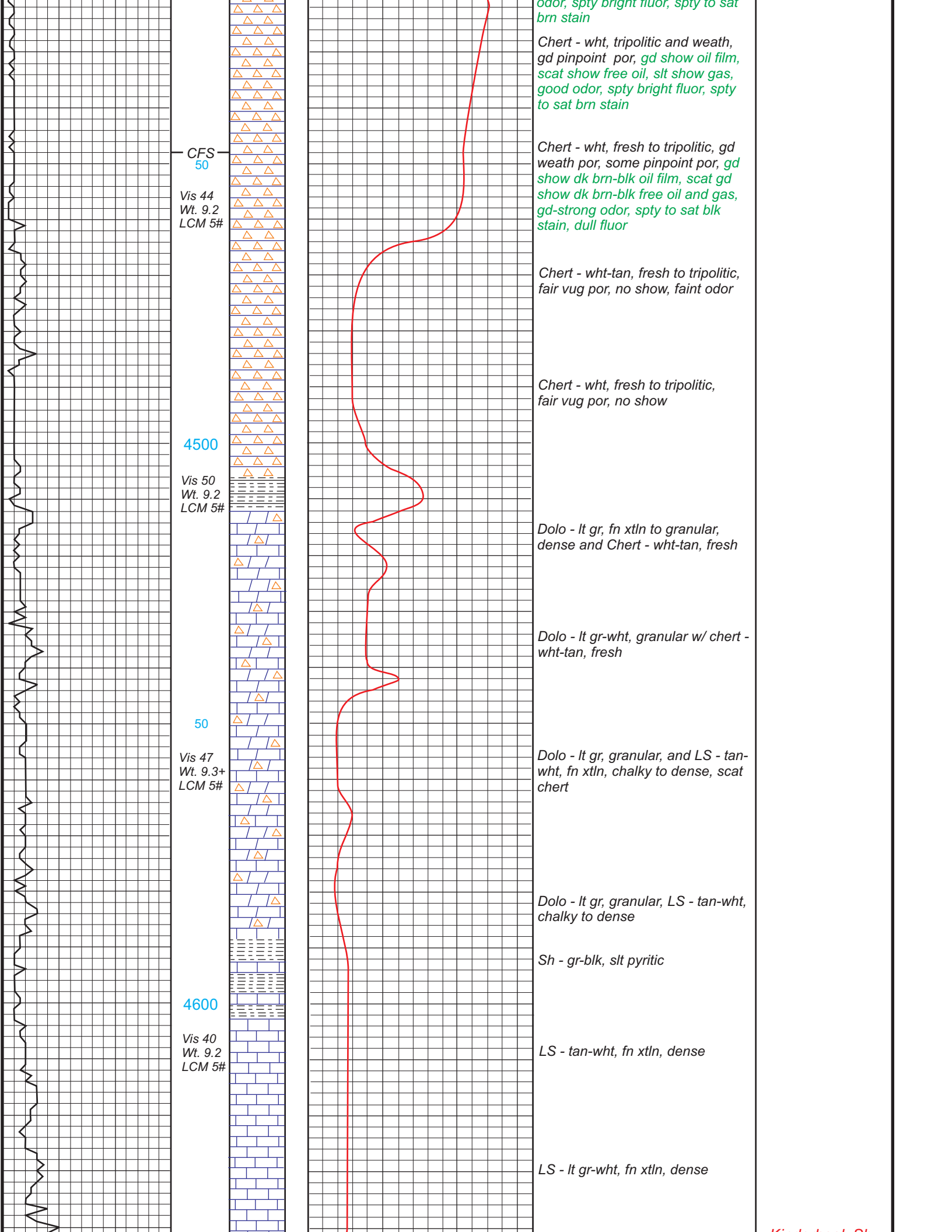
4400

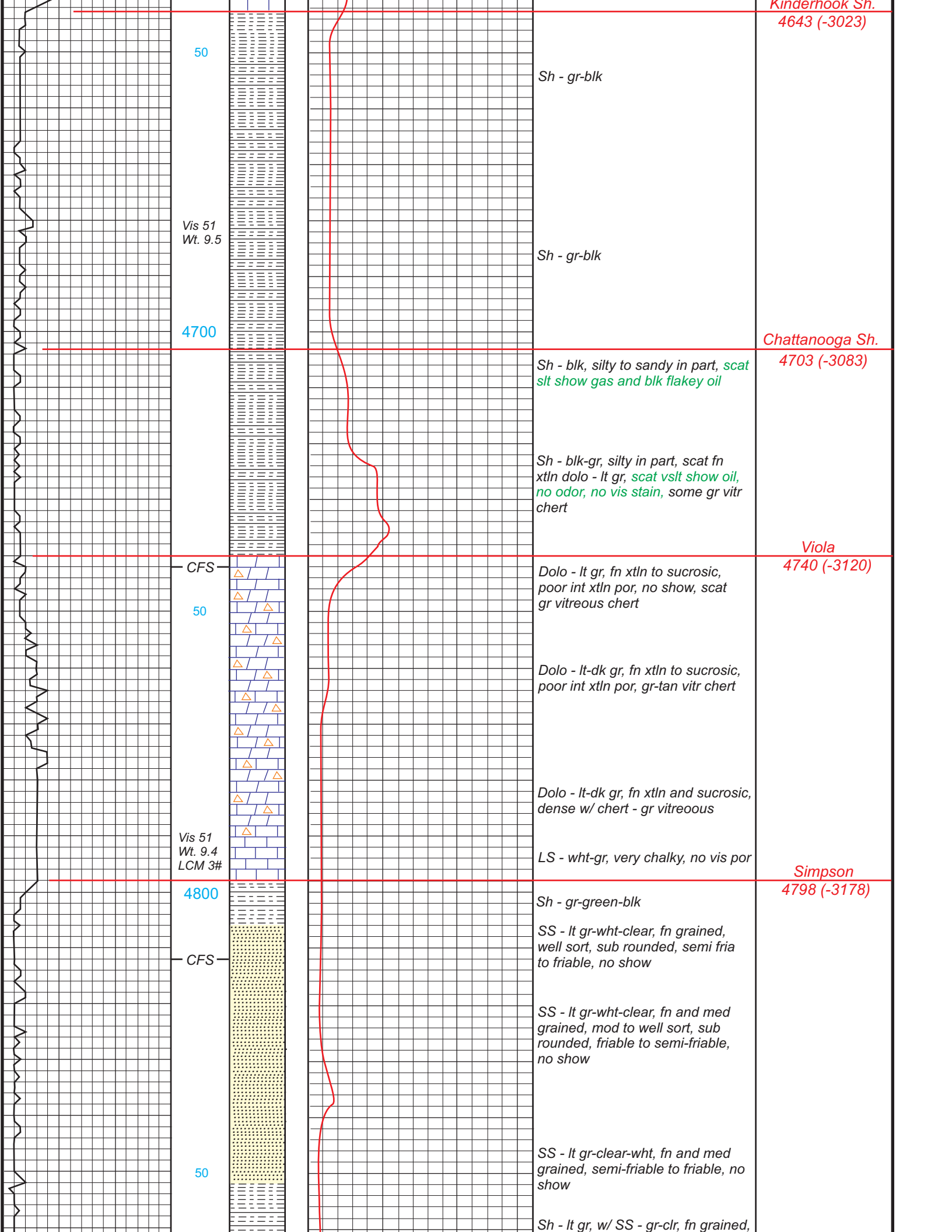
LS - wht, fn xtl'n, chalky to cherty  
Chert - wht-gr, fresh w/ mostly tripolitic, f-gd show lt oil film, spty to sat lt brn stain, fair odor, bright fluor

CFS

Chert - wht, tripolitic and weathered, gd pinpoint por, gd show oil film, scat gd show gas bubbles, good odor, spty bright fluor, spty to sat

10 50 100 500





Kinderhook Sh.  
4643 (-3023)

50  
Vis 51  
Wt. 9.5

Sh - gr-blk  
Sh - gr-blk

4700

Chattanooga Sh.  
4703 (-3083)

Sh - blk, silty to sandy in part, *scat slt show gas and blk flakey oil*  
Sh - blk-gr, silty in part, *scat fn xtln dolo - lt gr, scat vslt show oil, no odor, no vis stain, some gr vitr chert*

CFS

Viola  
4740 (-3120)

50  
Vis 51  
Wt. 9.4  
LCM 3#

Dolo - lt gr, fn xtln to sucrosic, poor int xtln por, no show, scat gr vitreous chert  
Dolo - lt-dk gr, fn xtln to sucrosic, poor int xtln por, gr-tan vitr chert  
Dolo - lt-dk gr, fn xtln and sucrosic, dense w/ chert - gr vitreous  
LS - wht-gr, very chalky, no vis por

4800

Simpson  
4798 (-3178)

CFS

Sh - gr-green-blk  
SS - lt gr-wht-clear, fn grained, well sort, sub rounded, semi fria to friable, no show  
SS - lt gr-wht-clear, fn and med grained, mod to well sort, sub rounded, friable to semi-friable, no show  
SS - lt gr-clear-wht, fn and med grained, semi-friable to friable, no show

50

Sh - lt gr, w/ SS - gr-clr, fn grained,

Vis 45  
Wt. 9.4  
LCM 2#

4900

RTD 4915'

mod sort, glauconitic, no show

SS - gr-clear, fn grained, mod  
sort, semi-friable, glauconitic, no  
show

Sh - lt gr, w/ scat SS - gr-clear,  
semi-friable to friable, glauconitic

Sh - lt gr

