



KANSAS CORPORATION COMMISSION 1162938
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: _____



1162938

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
<input type="checkbox"/> Perforate <input type="checkbox"/> Protect Casing <input type="checkbox"/> Plug Back TD <input type="checkbox"/> 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)</i> <input type="checkbox"/> Other <i>(Specify)</i> _____ <i>(Submit ACO-4)</i>	PRODUCTION INTERVAL: _____ _____
---	--	--

ALLIED CEMENTING CO., LLC. 040111

Federal Tax I.D.# 20-5975804

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

SERVICE POINT:
Medicine Lodge KS

DATE <i>07-18-13</i>	SEC. <i>15</i>	TWP. <i>34s</i>	RANGE <i>11w</i>	CALLED OUT	ON LOCATION	JOB START	JOB FINISH
LEASEE <i>Medicine River Ranch</i>		WELL # <i>B-12</i>		LOCATION <i>Bethel & Genline</i>		COUNTY <i>Barber</i>	STATE <i>KS</i>
OLD OR NEW (Circle one) <input checked="" type="radio"/> OLD <input type="radio"/> NEW							

CONTRACTOR *Hardt*

TYPE OF JOB *Production Casing*

HOLE SIZE *7 7/8* R.T.D. *4982*

CASING SIZE *5 1/2* 14# DEPTH *4965*

TUBING SIZE _____ DEPTH _____

DRILL PIPE _____ DEPTH _____

TOOL _____ DEPTH _____

PRES. MAX *1250* MINIMUM _____

MEAS. LINE _____ SHOE JOINT *32.38*

CEMENT LEFT IN CSG. *32'*

PERFS. _____

DISPLACEMENT *120% Bbls 2% KCL Water*

OWNER *N-10 Explo.*

CEMENT AMOUNT ORDERED *40sx60:40:47.9 salt + 4% SMS & 150sx class H + 10% salt + 10% KCL Seal + 14 gals Clapra & 12 Bbls ASF*

COMMON <i>A</i> <i>24</i> sx @ <i>17.90</i>	<i>429.60</i>
POZMIX <i>16</i> sx @ <i>9.35</i>	<i>149.60</i>
GEL <i>2</i> sx @ <i>23.40</i>	<i>46.80</i>
CHLORIDE @	
ASC @	
<i>H</i> <i>150</i> sx @ <i>21.20</i>	<i>3130.00</i>
<i>Salt</i> <i>8</i> sx @ <i>26.35</i>	<i>210.80</i>
<i>Kalseal</i> <i>750</i> # @ <i>.98</i>	<i>735.00</i>
<i>SMS</i> <i>14</i> # @ <i>3.30</i>	<i>46.20</i>
<i>ASF</i> <i>12</i> Bbls @ <i>58.70</i>	<i>704.40</i>
<i>Clapra</i> <i>14</i> Gals @ <i>34.40</i>	<i>481.60</i>
_____ @ _____	
HANDLING <i>218.82</i>	@ <i>2.48</i> <i>542.67</i>
MILEAGE <i>9.60/15/2.60</i>	<i>374.40</i>

TOTAL *6851.07*

EQUIPMENT

PUMP TRUCK CEMENTER *D. Felio*

558-555 HELPER *S. Paddy*

BULK TRUCK

561-553 DRIVER *James Bowen*

BULK TRUCK

_____ DRIVER _____

REMARKS:

See Job Log

Bumped Plug at 120% Bbls 2% KCL water

Released PSE - Float Did Hold

THX ☺

SERVICE

DEPTH OF JOB *4965*

PUMP TRUCK CHARGE *2765* ^{*15*}

EXTRA FOOTAGE @

MILEAGE *15* @ *7.70* *115.50*

MANIFOLD *head rental* @ *275.00*

AV *15* @ *4.40* *66.00*

_____ @ _____

CHARGE TO: *N-10 Explo.*

STREET _____

CITY _____ STATE _____ ZIP _____

TOTAL *3222.25*

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.

PLUG & FLOAT EQUIPMENT

<i>1</i> - Guide Shoe @	<i>280.20</i>
<i>1</i> - AFU insert @	<i>334.62</i>
<i>112</i> - Recip Scrubbers @	<i>88.92</i> <i>889.20</i>
<i>8</i> - centralizers @	<i>57.33</i> <i>458.64</i>
<i>1</i> - TRP @	<i>85.41</i>

PRINTED NAME *TIM PIERCE*

SIGNATURE *Tim Pierce*

TOTAL *2048.07*

SALES TAX (If Any) _____

TOTAL CHARGES *12,121.39*

DISCOUNT _____ IF PAID IN 30 DAYS

(NET) 9697.11

Timothy G. Pierce

Petroleum Geologist

GEOLOGIST'S REPORT DRILLING TIME AND SAMPLE LOG

COMPANY N-10 Exploration, LLC

LEASE Medicine River Ranch 'B' #12

FIELD Landis

LOCATION W/2 SE SE

SEC 15 TWP 34S RGE 11W

COUNTY Barber STATE Kansas

CONTRACTOR Hardt Drilling Rig #1

SPUD 7-10-2013 COMP 7-19-2013

RTD 4982 LTD 4976

MUD UP 3002 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 4200 TO RTD

GEOLOGIST ON WELL Tim Pierce

ELEVATIONS

KB 1355'

DF _____

GL 1345'

Measurements Are All
From Kelly Bushing

CASING

CONDUCTOR _____

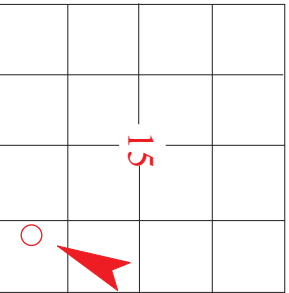
SURFACE 8-5/8" at 266'

PRODUCTION 5-1/2" at 4964'

ELECTRICAL SURVEYS DIL / CN-CD Pioneer

FORMATION TOPS ELECTRIC LOG SAMPLE

Heebner Sh.	3635 (2280)	NA
Iatan LS.	4074 (-2719)	4074 (-2719)
Stark Sh.	4322 (-2967)	4319 (-2964)
Cherokee Sh.	4545 (-3190)	4543 (-3188)
Mississippi	4594 (-3239)	4600 (-3245)
Chattanooga Sh.	4880 (-3525)	4880 (-3525)
Viola	4938 (-3583)	4936 (-3581)
Simpson		



API # 15-007-24,039

REMARKS Samples and electric logs indicate probable production from the Mississippi from 4595'- 4664'.

A gas kick was recorded in the Pawnee LS at approx 4505' - 4508', electric logs indicate a possible productive zone at 4503'- 4508'

A slight show of gas was observed in the Chattanooga Shale from 4880'- 4905'.

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

DRILLING TIME IN
MINUTES PER FOOT

Rate of Penetration Decreases



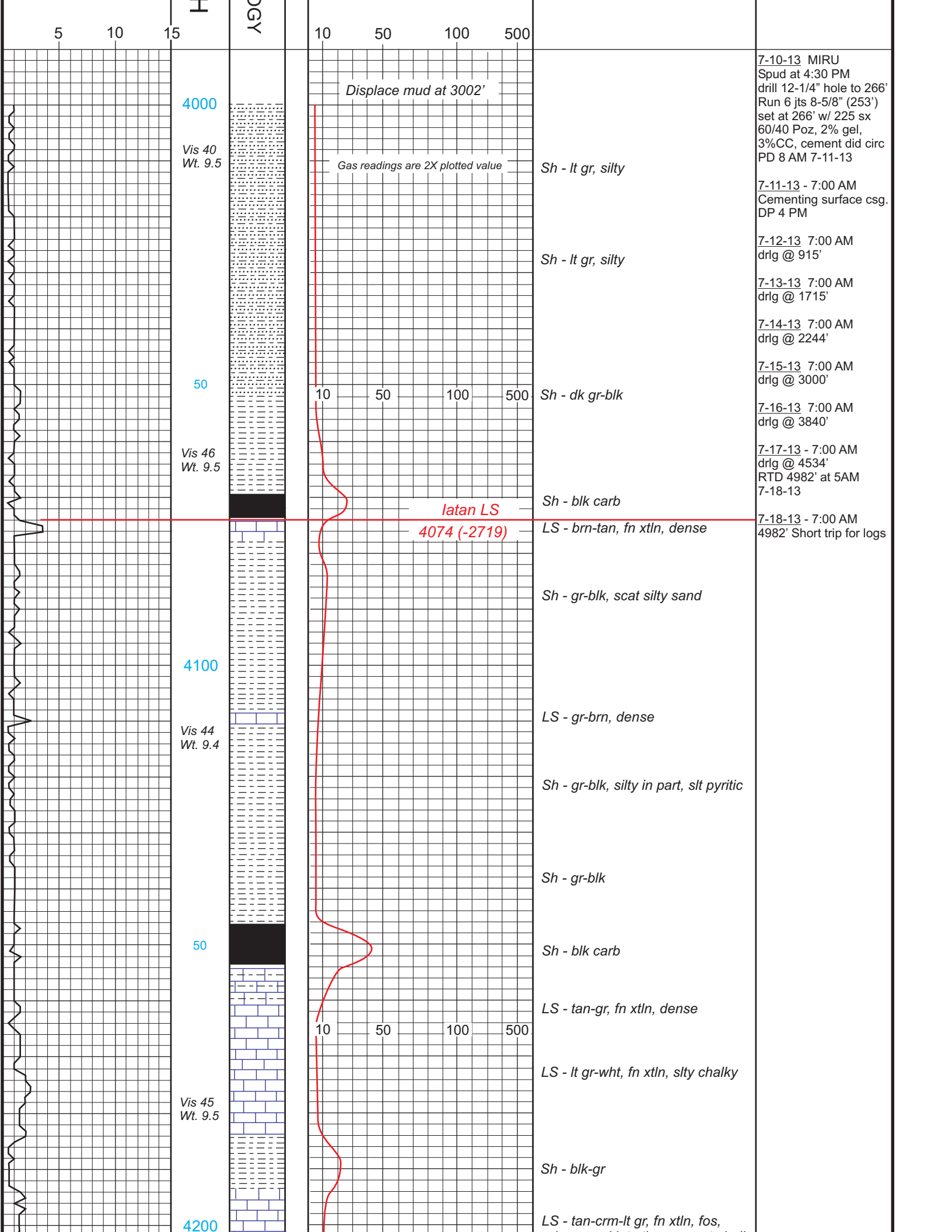
DEPTH

LITHOLOG

GAS SCALE

SAMPLE DESCRIPTION

REMARKS



5 10 15

OGY

10 50 100 500

4000

Vis 40
Wt. 9.5

Displace mud at 3002'

Gas readings are 2X plotted value

Sh - lt gr, silty

7-10-13 MIRU
Spud at 4:30 PM
drill 12-1/4" hole to 266'
Run 6 jts 8-5/8" (253')
set at 266' w/ 225 sx
60/40 Poz, 2% gel,
3%CC, cement did circ
PD 8 AM 7-11-13

7-11-13 - 7:00 AM
Cementing surface csg.
DP 4 PM

Sh - lt gr, silty

7-12-13 7:00 AM
drlg @ 915'

7-13-13 7:00 AM
drlg @ 1715'

7-14-13 7:00 AM
drlg @ 2244'

50

Vis 46
Wt. 9.5

10 50 100 500

Sh - dk gr-blk

7-15-13 7:00 AM
drlg @ 3000'

7-16-13 7:00 AM
drlg @ 3840'

7-17-13 - 7:00 AM
drlg @ 4534'
RTD 4982' at 5AM
7-18-13

Sh - blk carb

latan LS
4074 (-2719)

LS - brn-tan, fn xtn, dense

7-18-13 - 7:00 AM
4982' Short trip for logs

Sh - gr-blk, scat silty sand

4100

Vis 44
Wt. 9.4

LS - gr-brn, dense

Sh - gr-blk, silty in part, slt pyritic

Sh - gr-blk

50

Sh - blk carb

LS - tan-gr, fn xtn, dense

LS - lt gr-wht, fn xtn, slty chalky

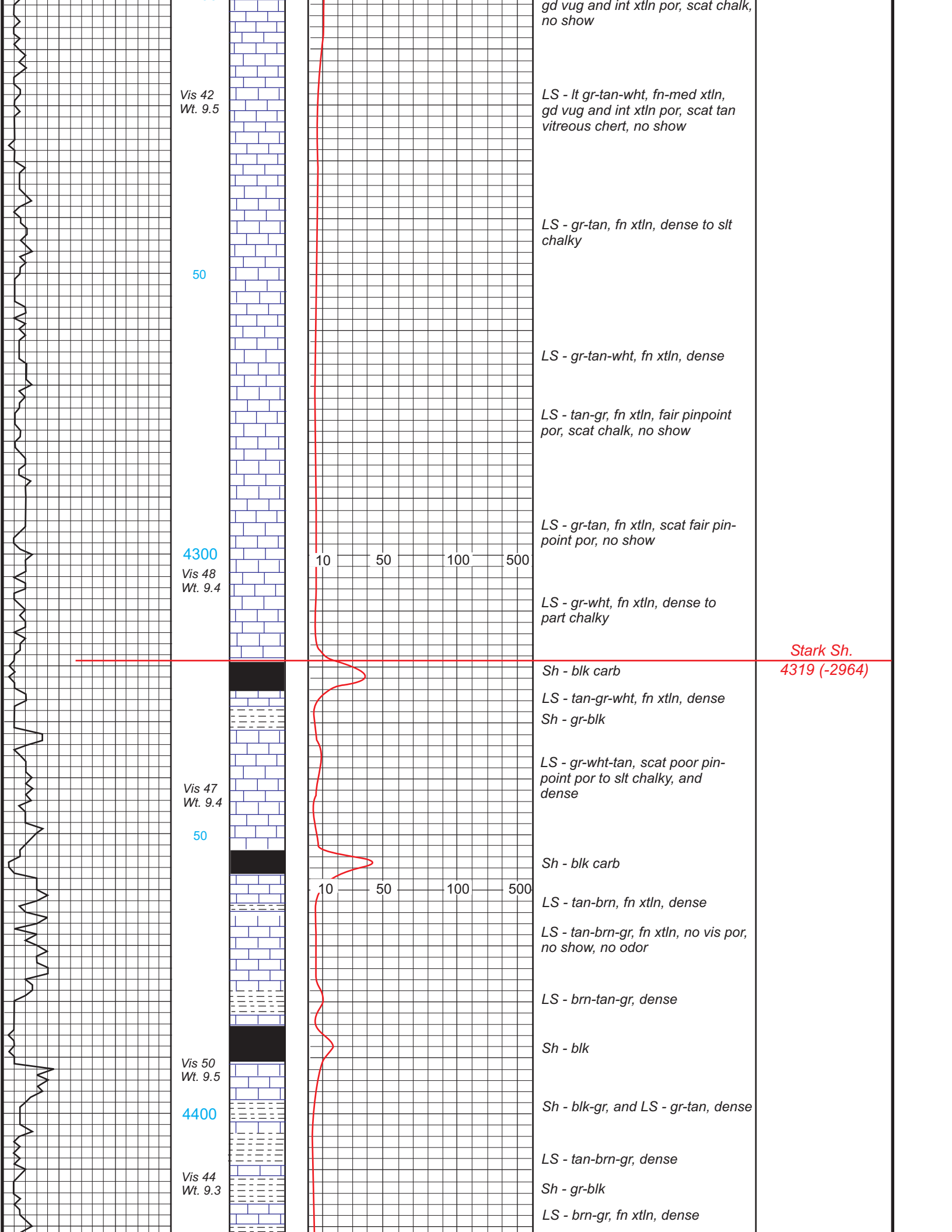
Vis 45
Wt. 9.5

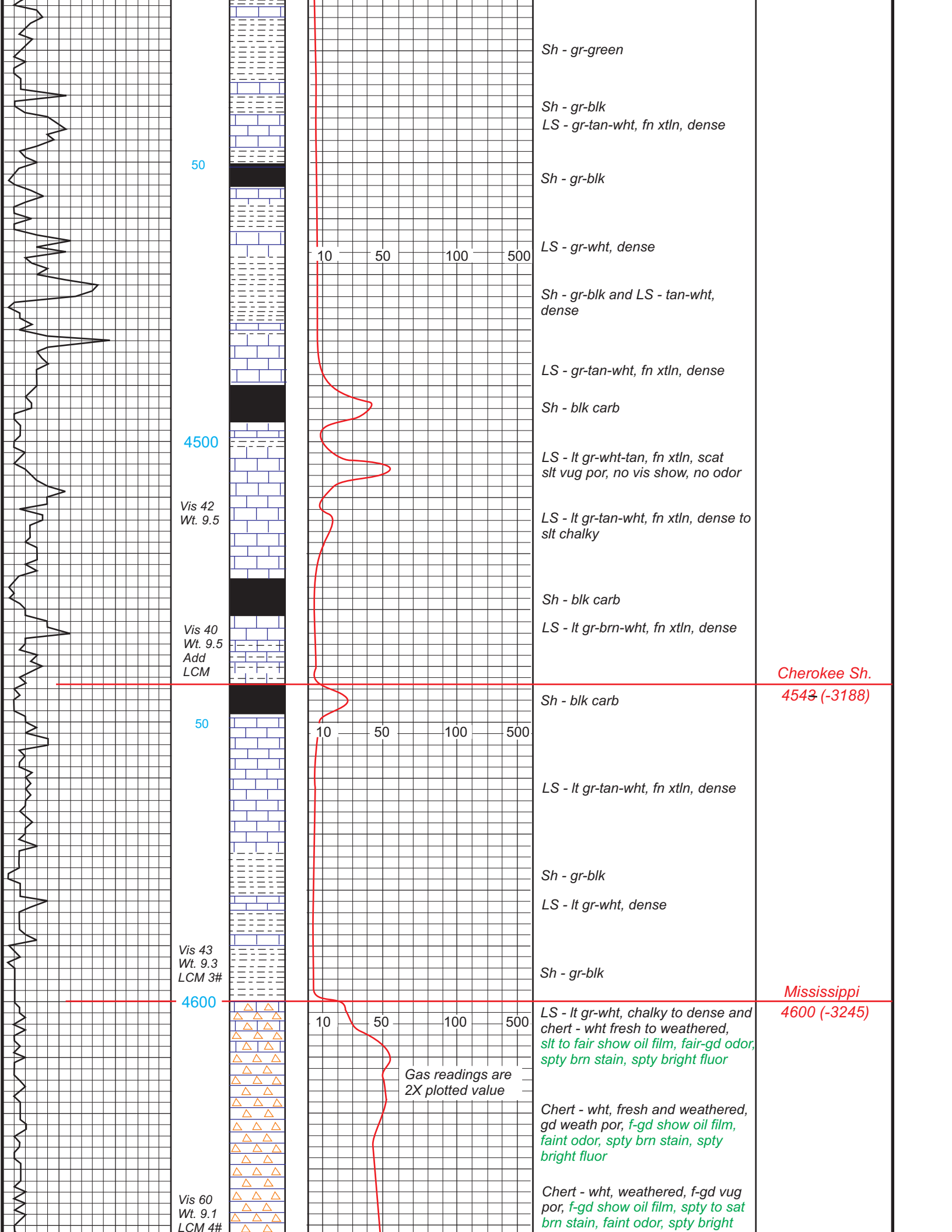
10 50 100 500

Sh - blk-gr

4200

LS - tan-crm-lt gr, fn xtn, fos,





50

4500

Vis 42
Wt. 9.5

Vis 40
Wt. 9.5
Add
LCM

50

Vis 43
Wt. 9.3
LCM 3#

4600

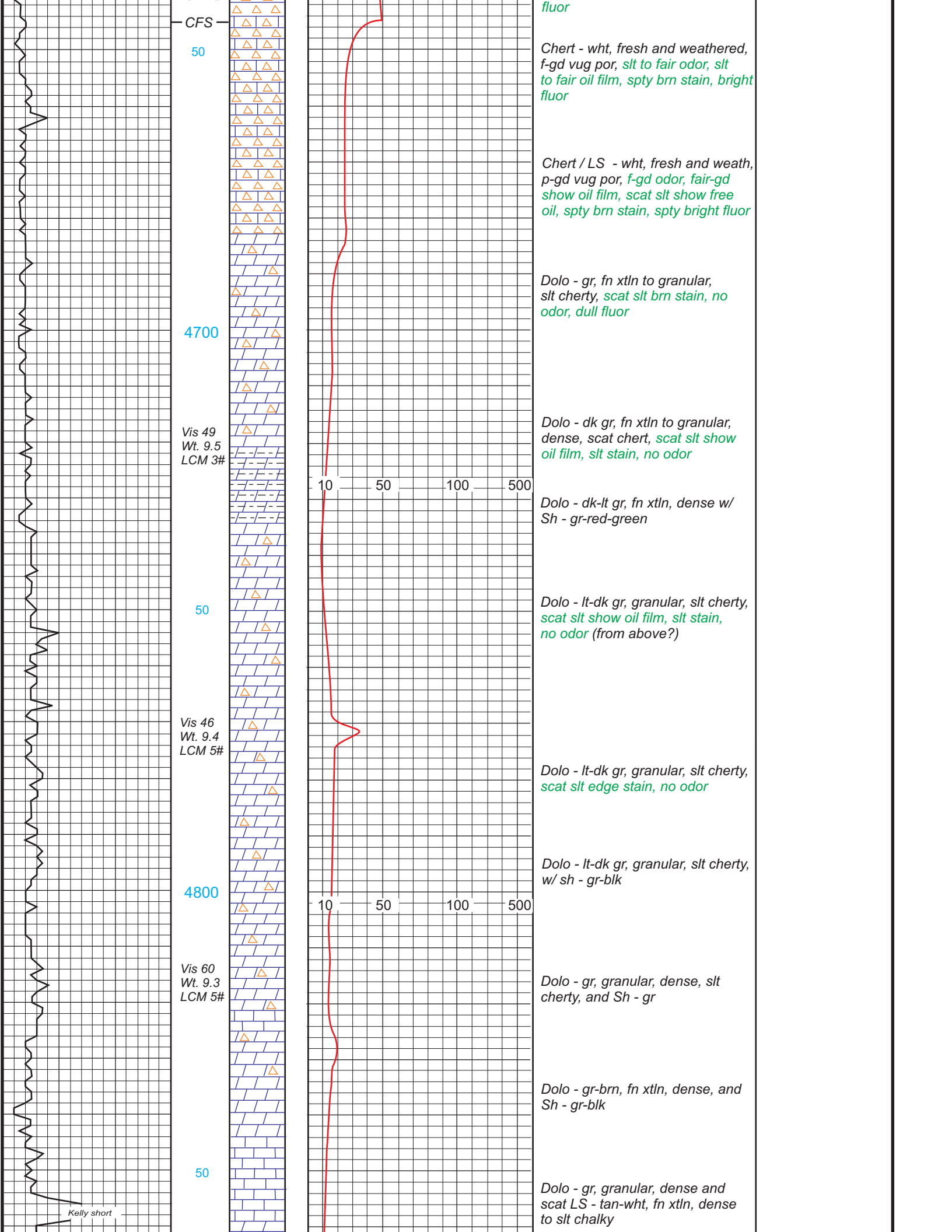
Vis 60
Wt. 9.1
LCM 4#

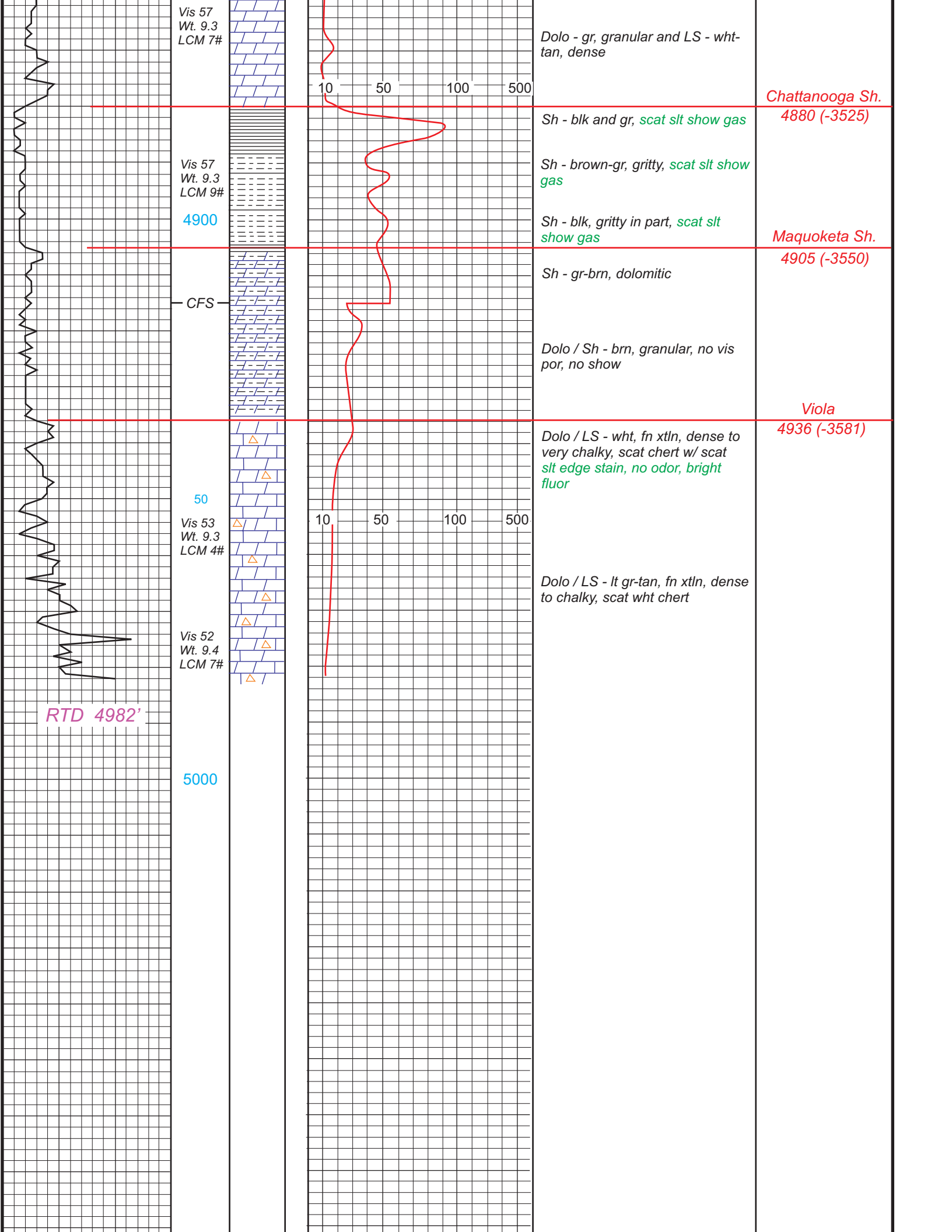
10 50 100 500

10 50 100 500

10 50 100 500

Gas readings are
2X plotted value





Vis 57
Wt. 9.3
LCM 7#

Dolo - gr, granular and LS - wht-tan, dense

Chattanooga Sh.
4880 (-3525)

Vis 57
Wt. 9.3
LCM 9#

Sh - blk and gr, scat slt show gas

Sh - brown-gr, gritty, scat slt show gas

4900

Sh - blk, gritty in part, scat slt show gas

Maquoketa Sh.
4905 (-3550)

CFS

Sh - gr-brn, dolomitic

Dolo / Sh - brn, granular, no vis por, no show

Viola
4936 (-3581)

50

Dolo / LS - wht, fn xtln, dense to very chalky, scat chert w/ scat slt edge stain, no odor, bright fluor

Vis 53
Wt. 9.3
LCM 4#

10 50 100 500

Dolo / LS - lt gr-tan, fn xtln, dense to chalky, scat wht chert

Vis 52
Wt. 9.4
LCM 7#

RTD 4982'

5000

