



Confidentiality Requested:

Yes No

KANSAS CORPORATION COMMISSION 1228016
OIL & GAS CONSERVATION DIVISION

Form ACO-1

August 2013

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

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

GPS Location: Lat: _____, Long: _____
(e.g. xx.xxxxx) (e.g. -xxx.xxxxx)

Datum: NAD27 NAD83 WGS84

County: _____

Lease Name: _____ Well #: _____

Field Name: _____

Producing Formation: _____

Elevation: Ground: _____ Kelly Bushing: _____

Total Vertical 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

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



1228016

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

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

INSTRUCTIONS: Show important tops 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.

Final Radioactivity Log, Final Logs run to obtain Geophysical Data and Final Electric Logs must be emailed to kcc-well-logs@kcc.ks.gov. Digital electronic log files must be submitted in LAS version 2.0 or newer AND an image file (TIFF or PDF).

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 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
<input type="checkbox"/> Perforate <input type="checkbox"/> Protect Casing <input type="checkbox"/> Plug Back TD <input type="checkbox"/> Plug Off Zone				

Did you perform a hydraulic fracturing treatment on this well? Yes No *(If No, skip questions 2 and 3)*

Does the volume of the total base fluid of the hydraulic fracturing treatment exceed 350,000 gallons? Yes No *(If No, skip question 3)*

Was the hydraulic fracturing treatment information submitted to the chemical disclosure registry? Yes No *(If No, fill out Page Three of the ACO-1)*

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: _____ _____
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ALLIED OIL & GAS SERVICES, LLC 063219

Federal Tax I.D. # 20-8651475

REMIT TO P.O. BOX 93999
SOUTHLAKE, TEXAS 76092

SERVICE POINT:
Medicine Lodge, KS

DATE <u>7-24-14</u>	SEC. <u>21</u>	TWP. <u>34S</u>	RANGE <u>11W</u>	CALLED OUT	ON LOCATION <u>8100A</u>	JOB START <u>8:00A</u>	JOB FINISH <u>9:00A</u>
LEASE <u>MRR</u>	WELL# <u>A-3</u>	LOCATION <u>Garland + Bethal S to Angus Rd</u>		COUNTY <u>Barber</u>	STATE <u>KS</u>		
OLD OR <u>(NEW)</u> (Circle one)		<u>W to CG. 12 around pond stay left</u>					

CONTRACTOR Hardt Drilling #1 OWNER U-10 Exploration

TYPE OF JOB Surface
 HOLE SIZE 12 1/2 T.D. 774 CEMENT
 CASING SIZE 8 5/8 DEPTH 254 AMOUNT ORDERED 225sx 60' 40' 3 1/2 cct
 TUBING SIZE DEPTH 2 7/8 cct
 DRILL PIPE DEPTH
 TOOL DEPTH

PRES. MAX MINIMUM COMMON @
 MEAS. LINE SHOE JOINT 20 POZMIX @
 CEMENT LEFT IN CSG. 20 GEL @
 PERFS. CHLORIDE 500.5 @ 1" 638.55
 DISPLACEMENT 1.5 bbl Frash ASC @
 EQUIPMENT 225 sx @ 1843 4146.75
60/40 2'6 @

PUMP TRUCK CEMENTER J. Keckler
 # 894/265 HELPER Ron Gilley
 BULK TRUCK
 # 364 DRIVER Robert Johnson
 BULK TRUCK
 # DRIVER

HANDLING @
 MILEAGE 20 = 957.00 TOTAL 4785.30

REMARKS:

On Location Safety meeting Rig up
Safety meeting P. Test pump spacer
Mix pump cont. Stop Start Asp
Stop Shut in Release pressure
cont d'd circ

SERVICE

DEPTH OF JOB 254
 PUMP TRUCK CHARGE 157.25
 EXTRA FOOTAGE 24 @ 4.40 105.60
 MILEAGE 24 @ 7.70 184.80
 MANIFOLD @
Handling 241.74 @ 2.48 599.52
Mileage 260 @ 2.60 528.26

20% = 585.49 TOTAL 2927.43

CHARGE TO: U-10 Exploration
 STREET
 CITY STATE ZIP

PLUG & FLOAT EQUIPMENT

@
 @
 @
 @
 @

TOTAL

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.

SALES TAX (If Any)
 TOTAL CHARGES 7,712.73
 DISCOUNT IF PAID IN 30 DAYS

PRINTED NAME

SIGNATURE Scott Adkins

Net 6170.18

ALLIED OIL & GAS SERVICES, LLC 063150

Federal Tax I.D. # 20-8651475

REMIT TO P.O. BOX 93999
SOUTHLAKE, TEXAS 76092

SERVICE POINT:
MEDICINE LODGE 161

DATE <u>8-1-14</u>	SEC <u>21</u>	TWR <u>34</u>	RANGE <u>11</u>	CALLED OUT <u>1030 AM</u>	ON LOCATION <u>1200 PM</u>	JOB START <u>445 PM</u>	JOB FINISH <u>540 PM</u>
LEASE <u>MRR</u>		WELL # <u>A#3</u>		LOCATION <u>GORLANE RD E TO BETHEL RD</u>		COUNTY <u>BARBER</u>	STATE <u>KS</u>
OLD OR NEW (Circle one)		<u>S TO ANGUS R W TO CC STAY RIGHT</u>					

CONTRACTOR HARDY #1 OWNER N-10

TYPE OF JOB PRODUCTION

HOLE SIZE 7 7/8 T.D. 5062 CEMENT

CASING SIZE 5 1/2 DEPTH 5046 AMOUNT ORDERED 55 SX 60:40:4% 6EL 4lb Sams

TUBING SIZE DEPTH 150 SX 10% SALT .5" ROSEAL

DRILL PIPE DEPTH 14 GAL KCL 12 BBL ASF

TOOL DEPTH

PRES. MAX MINIMUM

MEAS. LINE SHOE JOINT 38.92

CEMENT LEFT IN CSG. 38.92 FT

PERFS.

DISPLACEMENT 2% KCL WATER

EQUIPMENT

PUMP TRUCK CEMENTER SCOTT PRIDDY

892/555 HELPER THOMAS GIBSON

BULK TRUCK

421/290 DRIVER WALTER RUCKER

BULK TRUCK

DRIVER

COMMON # 105x @ 27.24 4086.00

POZMIX @

GEL @

CHLORIDE @

ASC @

60:40 4 55 SX @ 18.92 1040.60

ROSEAL 750# @ -.98 735.00

SALT 750# @ .68 510.00

KCL 14 GALS @ 34.40 481.60

ASF 12 BBL @ 58.70 704.40

HANDLING @

MILEAGE @

25% = 1889.40 TOTAL 7557.60

SERVICE

DEPTH OF JOB 5046'

PUMP TRUCK CHARGE 3099.25

EXTRA FOOTAGE 24 @ 4.40 105.60

MILEAGE 24 @ 7.75 184.80

MANIFOLD @ 275.00

Handling 239.71 @ 2.43 582.09

Mileage 225.96 @ 2.75 621.39

25% 973.62 TOTAL 4868.12

PLUG & FLOAT EQUIPMENT

5/8

REG A SIZE 1 EA @ 231 231.00

AFU Insert 1 EA @ 235.00 235.00

Centralizer 8 EA @ 57.00 456.00

Regio Scotchman 10 EA @ 89.00 890.00

Top Rubber Plug 1 EA @ 85.00 85.00

TOTAL 2047.00

SALES TAX (If Any)

TOTAL CHARGES 14472.72

DISCOUNT 11609.70 IF PAID IN 30 DAYS

REMARKS:

ON LOCATION, SAFETY MEETING SPOT IN
RIG UP, RUN CASING MIX PER FLUSH
PRESSURE TEST PUMP STAGER PUMP & FRESH
PUMP SUBER FLUSH PUMP & FRESH PUMP
SCAVENGER CEMENT PUMP CEMENT, SHUT
DOWN CLEAN LINES, RELIEF PLUG START
DISPLACEMENT SLOW RATE AT LIFT SLOW
RATE 10 BUT BUMP PLUG RELEASE PRESSURE
PLUG RATE HOLD WASH UP

CHARGE TO: N-10

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

Timothy G. Pierce

Petroleum Geologist

GEOLOGIST'S REPORT DRILLING TIME AND SAMPLE LOG

<p>COMPANY <u>N-10 Exploration, LLC</u></p> <p>LEASE <u>Medicine River Ranch 'A' #3</u></p> <p>FIELD <u>Landis</u></p> <p>LOCATION <u>W/2 SE NE (1980' FNL & 990' FEL)</u></p> <p>SEC <u>21</u> TWP <u>34S</u> RGE <u>11W</u></p> <p>COUNTY <u>Barber</u> STATE <u>Kansas</u></p> <p>CONTRACTOR <u>Hardt Drilling Rig #1</u></p> <p>SPUD <u>7-23-2014</u> COMP <u>8-01-2014</u></p> <p>RTD <u>5062</u> LTD <u>5074</u></p> <p>MUD UP <u>2848</u> TYPE MUD <u>Chemical</u></p> <p>SAMPLES SAVED FROM <u>4000</u> TO <u>RTD</u></p> <p>DRILLING TIME KEPT FROM <u>4000</u> TO <u>RTD</u></p> <p>SAMPLES EXAMINED FROM <u>4000</u> TO <u>RTD</u></p> <p>GEOLOGICAL SUPERVISION FROM <u>4000</u> TO <u>RTD</u></p> <p>GEOLOGIST ON WELL <u>Tim Pierce</u></p>	<p>ELEVATIONS</p> <p>KB <u>1338'</u></p> <p>DF _____</p> <p>GL <u>1328'</u></p> <p>Measurements Are All From <u>Kelly Bushing</u></p> <p>CASING</p> <p>CONDUCTOR _____</p> <p>SURFACE <u>8-5/8"</u> at 251'</p> <p>PRODUCTION <u>5-1/2"</u> at 5056'</p> <p>ELECTRICAL SURVEYS</p> <p><u>DIL / CN-CD</u></p> <p><u>Pioneer</u></p>																								
<p>FORMATION TOPS</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr><td>Heebner Sh.</td><td>3636 (-2298)</td><td>NA</td></tr> <tr><td>Latan LS.</td><td>4062 (-2724)</td><td>4060 (-2722)</td></tr> <tr><td>Stark Sh.</td><td>4323 (-2985)</td><td>4313 (-2975)</td></tr> <tr><td>Cherokee Sh.</td><td>4546 (-3208)</td><td>4536 (-3198)</td></tr> <tr><td>Mississippi</td><td>4590 (-3252)</td><td>4574 (-3236)</td></tr> <tr><td>Chattanooga Sh.</td><td>4890 (-3552)</td><td>4877 (-3539)</td></tr> <tr><td>Viola</td><td>4957 (-3619)</td><td>4944 (-3606)</td></tr> <tr><td>Simpson</td><td>5048 (-3710)</td><td>5036 (-3698)</td></tr> </table>	Heebner Sh.	3636 (-2298)	NA	Latan LS.	4062 (-2724)	4060 (-2722)	Stark Sh.	4323 (-2985)	4313 (-2975)	Cherokee Sh.	4546 (-3208)	4536 (-3198)	Mississippi	4590 (-3252)	4574 (-3236)	Chattanooga Sh.	4890 (-3552)	4877 (-3539)	Viola	4957 (-3619)	4944 (-3606)	Simpson	5048 (-3710)	5036 (-3698)	<p>ELECTRIC LOG</p> <p style="text-align: center;">* See Remarks</p> <div style="text-align: center;"> </div>
Heebner Sh.	3636 (-2298)	NA																							
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Simpson	5048 (-3710)	5036 (-3698)																							

REMARKS Sample tops should be moved down 8 ft due to tally board errors and logs indicate an additional 4-5 ft adjustment.

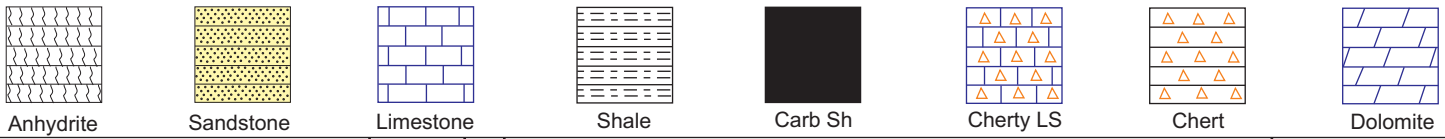
Samples and electric logs indicate probable production from the Mississippi from 4598'- 4664'.

Samples indicated a slight show of gas in the Chattanooga Shale at 4890'-4900'.

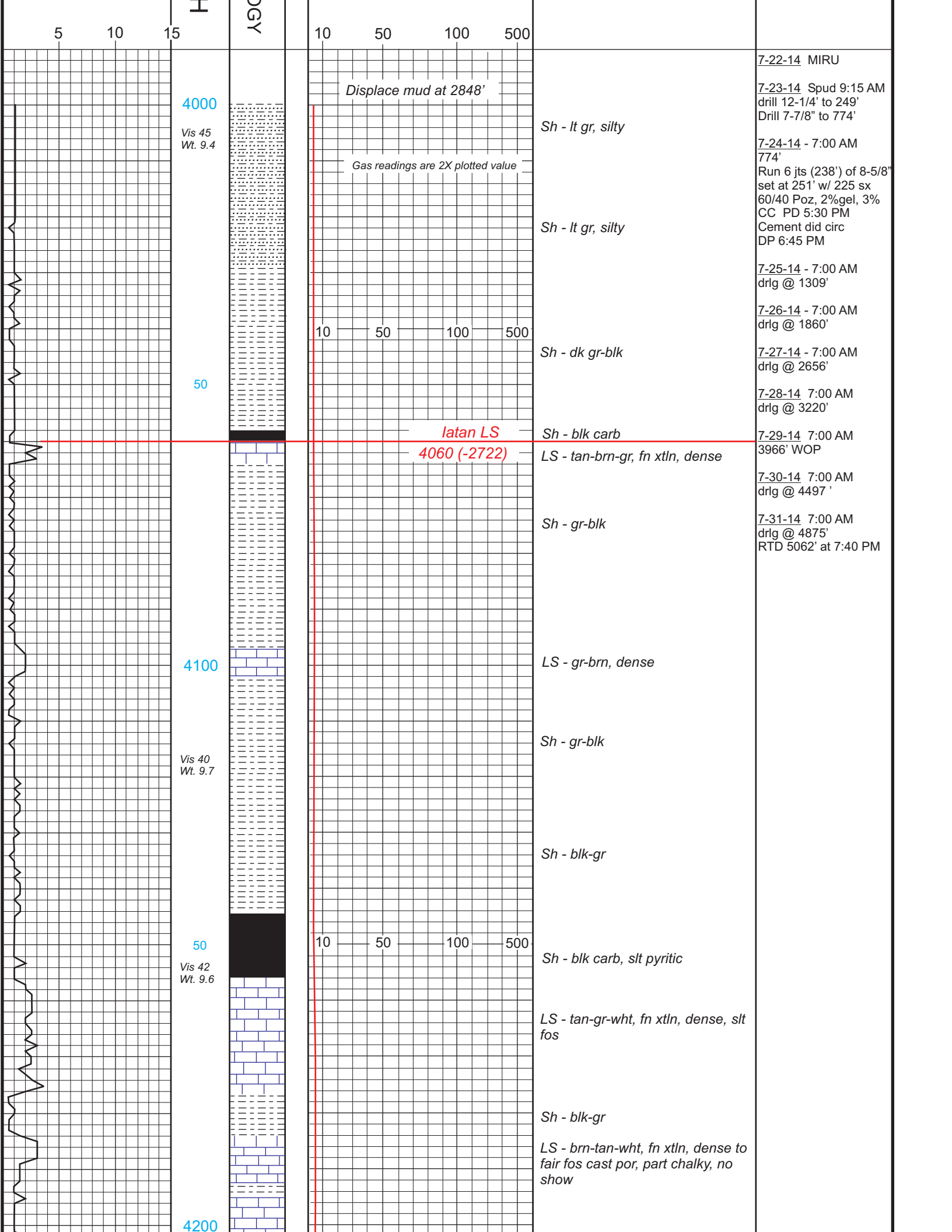
There were no other zones of interest indicated by samples or electric logs.

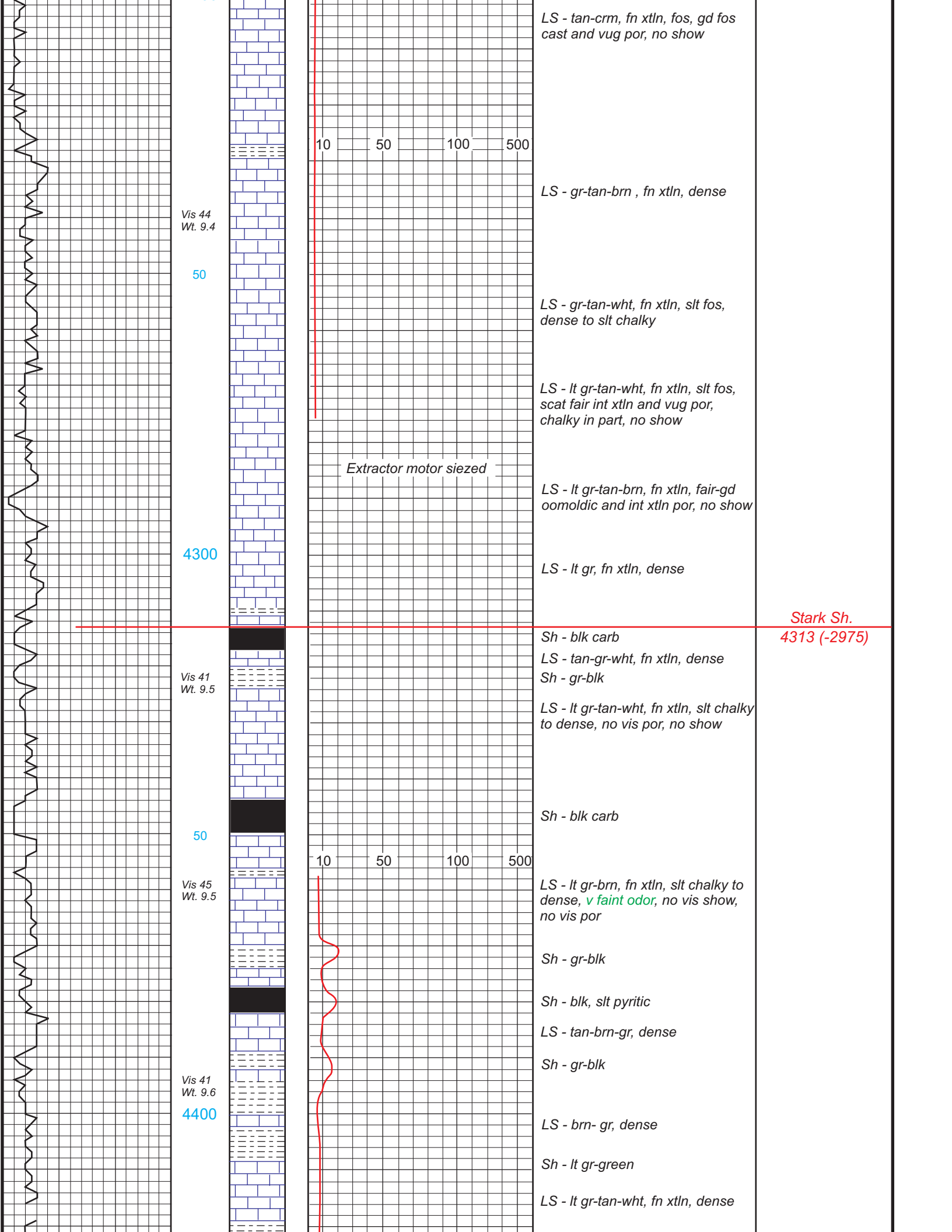
Timothy G. Pierce
Timothy G. Pierce

LEGEND



<p>DRILLING TIME IN MINUTES PER FOOT</p> <p>Rate of Penetration Decreases →</p>	<p>DEPTH</p>	<p>LITHOLOG</p>	<p>GAS SCALE</p>	<p>SAMPLE DESCRIPTION</p>	<p>REMARKS</p>
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LS - tan-crm, fn xtln, fos, gd fos cast and vug por, no show

10 50 100 500

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

Vis 44
Wt. 9.4

50

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

LS - lt gr-tan-wht, fn xtln, slt fos, scat fair int xtln and vug por, chalky in part, no show

Extractor motor siezed

LS - lt gr-tan-brn, fn xtln, fair-gd oomoldic and int xtln por, no show

4300

LS - lt gr, fn xtln, dense

Stark Sh.
4313 (-2975)

Sh - blk carb
LS - tan-gr-wht, fn xtln, dense
Sh - gr-blk

Vis 41
Wt. 9.5

LS - lt gr-tan-wht, fn xtln, slt chalky to dense, no vis por, no show

50

Sh - blk carb

10 50 100 500

LS - lt gr-brn, fn xtln, slt chalky to dense, *v faint odor*, no vis show, no vis por

Vis 45
Wt. 9.5

Sh - gr-blk

Sh - blk, slt pyritic

LS - tan-brn-gr, dense

Sh - gr-blk

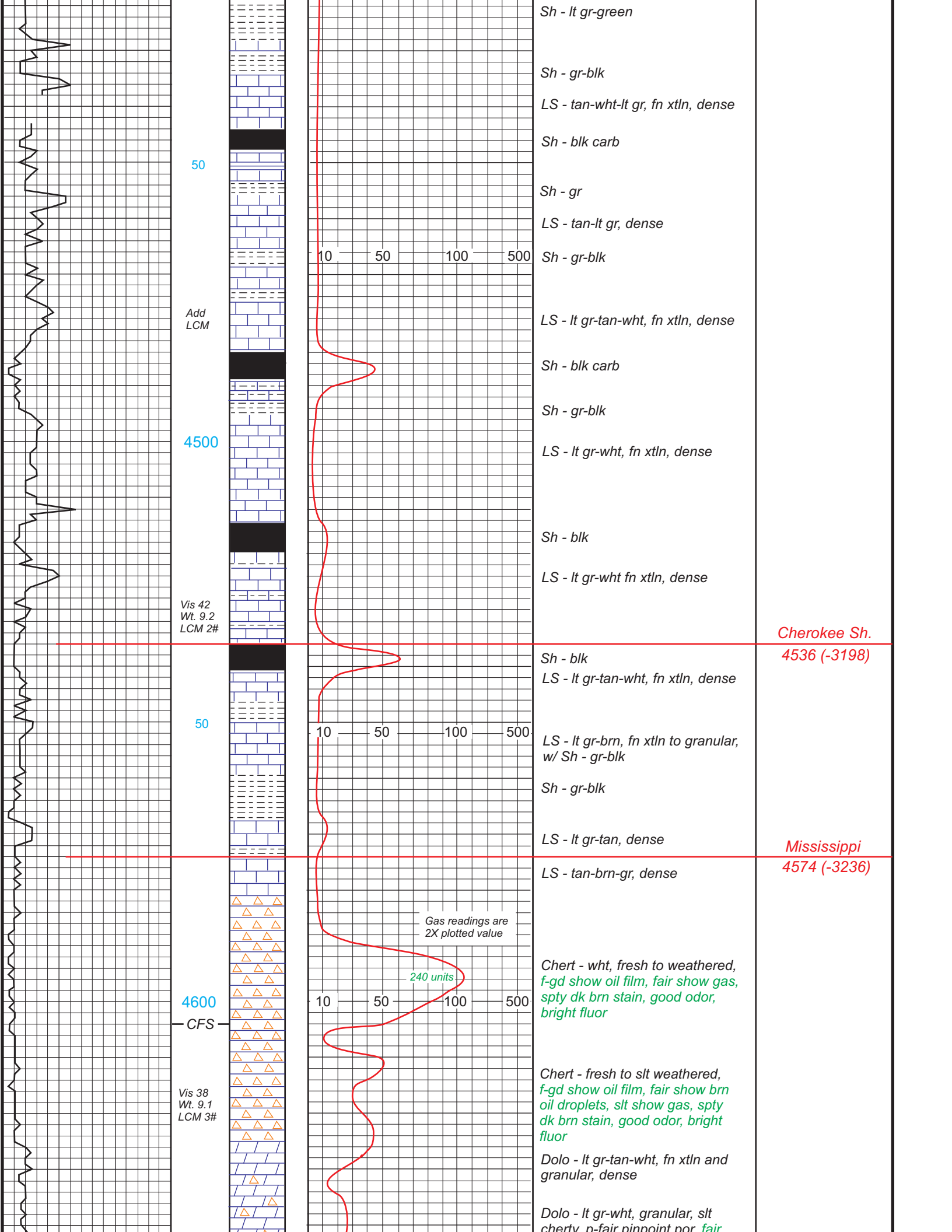
Vis 41
Wt. 9.6

4400

LS - brn- gr, dense

Sh - lt gr-green

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



Sh - lt gr-green

Sh - gr-blk

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

Sh - blk carb

50

Sh - gr

LS - tan-lt gr, dense

10 50 100 500

Sh - gr-blk

Add LCM

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

Sh - blk carb

4500

Sh - gr-blk

LS - lt gr-wht, fn xtl, dense

Sh - blk

LS - lt gr-wht fn xtl, dense

Vis 42
Wt. 9.2
LCM 2#

Cherokee Sh.
4536 (-3198)

Sh - blk

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

50

10 50 100 500

LS - lt gr-brn, fn xtl to granular,
w/ Sh - gr-blk

Sh - gr-blk

LS - lt gr-tan, dense

Mississippi
4574 (-3236)

LS - tan-brn-gr, dense

Gas readings are
2X plotted value

4600
CFS

10 50 100 500

Chert - wht, fresh to weathered,
f-gd show oil film, fair show gas,
spty dk brn stain, good odor,
bright fluor

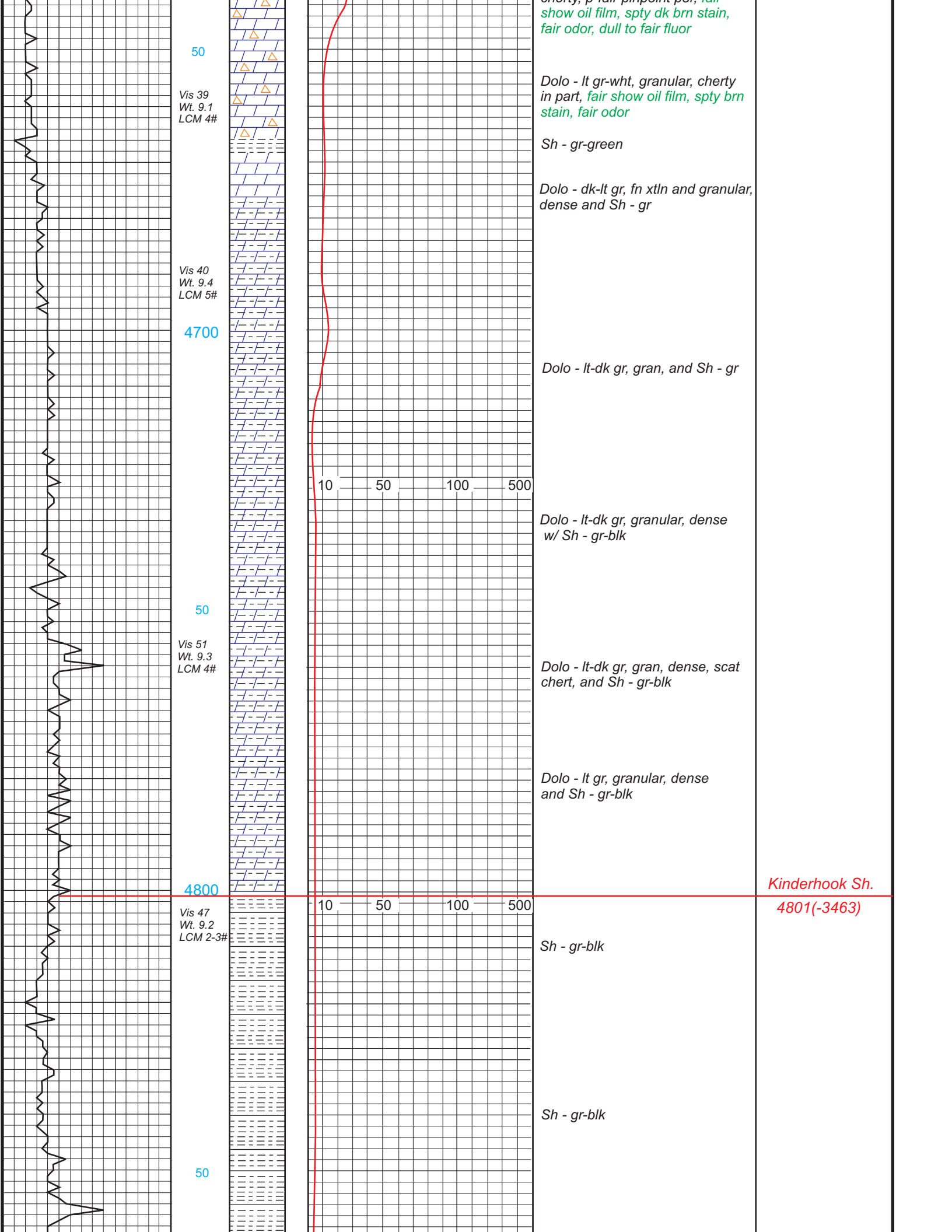
240 units

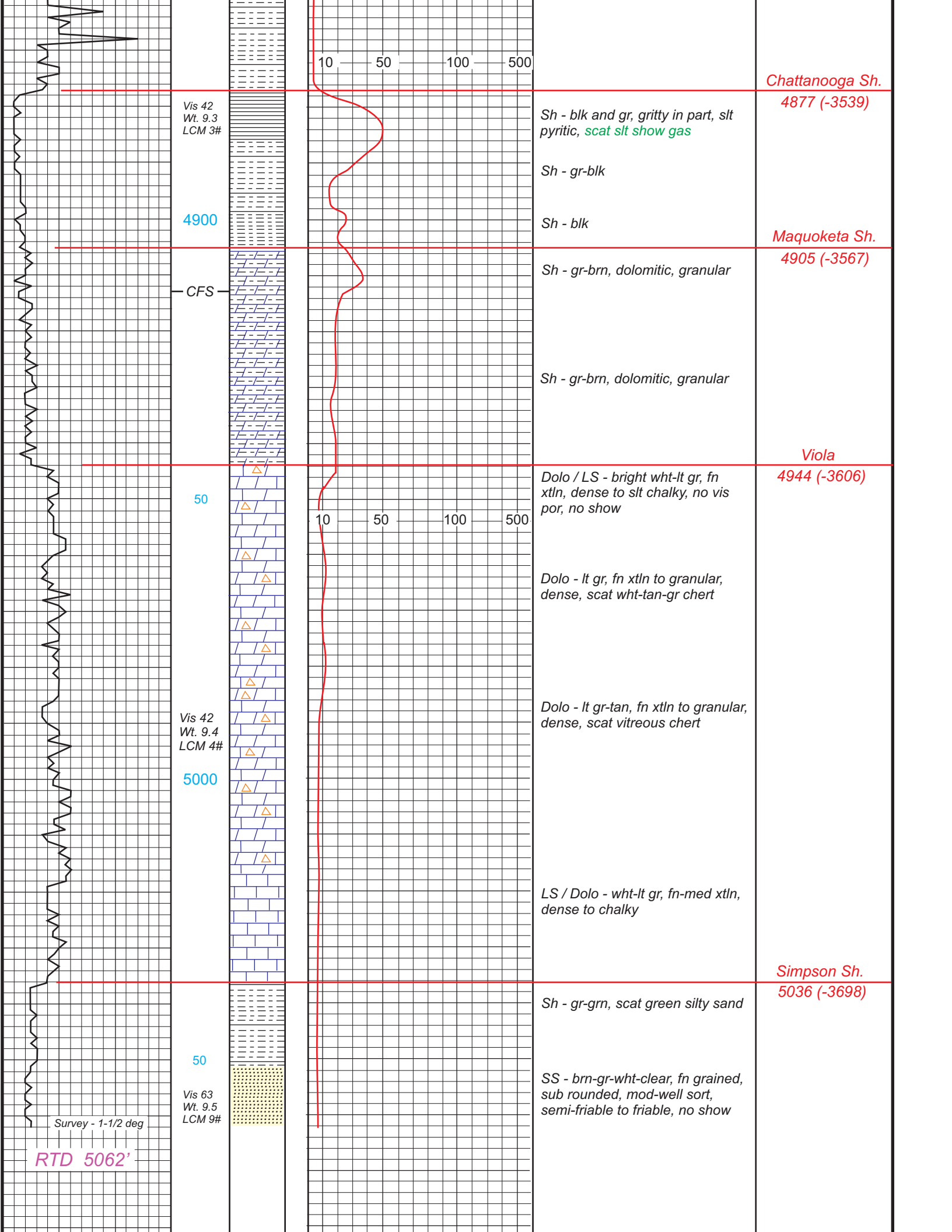
Chert - fresh to slt weathered,
f-gd show oil film, fair show brn
oil droplets, slt show gas, spty
dk brn stain, good odor, bright
fluor

Dolo - lt gr-tan-wht, fn xtl and
granular, dense

Vis 38
Wt. 9.1
LCM 3#

Dolo - lt gr-wht, granular, slt
cherty, n-fair pinpoint por, fair





Chattanooga Sh.

4877 (-3539)

Vis 42
Wt. 9.3
LCM 3#

Sh - blk and gr, gritty in part, slt pyritic, *scat slt show gas*

Sh - gr-blk

4900

Sh - blk

Maquoketa Sh.

4905 (-3567)

CFS

Sh - gr-brn, dolomitic, granular

Sh - gr-brn, dolomitic, granular

Viola

4944 (-3606)

50

Dolo / LS - bright wht-lt gr, fn xtl, dense to slt chalky, no vis por, no show

Dolo - lt gr, fn xtl to granular, dense, scat wht-tan-gr chert

Vis 42
Wt. 9.4
LCM 4#

Dolo - lt gr-tan, fn xtl to granular, dense, scat vitreous chert

5000

LS / Dolo - wht-lt gr, fn-med xtl, dense to chalky

Simpson Sh.

5036 (-3698)

50

Sh - gr-grn, scat green silty sand

Vis 63
Wt. 9.5
LCM 9#

SS - brn-gr-wht-clear, fn grained, sub rounded, mod-well sort, semi-friable to friable, no show

Survey - 1-1/2 deg

RTD 5062'

