



Confidentiality Requested:

Yes No

KANSAS CORPORATION COMMISSION 1187616
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: _____

1187616

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 <i>(Attach Additional Sheets)</i>	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Log	Formation (Top), Depth and Datum	<input type="checkbox"/> Sample
Samples Sent to Geological Survey	<input type="checkbox"/> Yes <input type="checkbox"/> No	Name	Top	Datum
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:				

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 059942

Federal Tax I.D.# 20-5975804

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

SERVICE POINT:

Ad Ledge KS

DATE <u>10/29/13</u>	SEC. <u>15</u>	TWP. <u>34s</u>	RANGE <u>11w</u>	CALLED OUT <u>10/29/13 7:15 AM</u>	ON LOCATION <u>10/29/13 10:00 AM</u>	JOB START <u>9:45 AM</u>	JOB FINISH <u>10:30 AM</u>
LEASE <u>MRR</u>		WELL # <u>B-13</u>		LOCATION <u>281 ft. South Canyon East to curve, East</u>		COUNTY <u>Barber</u>	STATE <u>KY</u>
OLD OR (NEW) <u>(NEW)</u> (Circle one)				at <u>Carver thru CG, South Past TB, East Hwy South, Cross River & West into</u>			

CONTRACTOR Hardt
 TYPE OF JOB Surface
 HOLE SIZE 12 1/4 T.D. 816
 CASING SIZE 8 7/8 DEPTH 255
 TUBING SIZE _____ DEPTH _____
 DRILL PIPE _____ DEPTH _____
 TOOL _____ DEPTH _____
 PRES. MAX 250 MINIMUM _____
 MEAS. LINE _____ SHOE JOINT _____
 CEMENT LEFT IN CSG. 20 ft
 PERFS. _____
 DISPLACEMENT 16 bbls Fresh H₂O
 EQUIPMENT _____

OWNER N-10 Expl
 CEMENT AMOUNT ORDERED 225sx 60:40:3% cc + 2% Gel

PUMP TRUCK # 360/302 CEMENTER Jason Thinesch
 HELPER Justin Bowler
 BULK TRUCK # 364 DRIVER Ron Guiley
 BULK TRUCK # _____ DRIVER _____

COMMON	<u>A 135</u>	@	<u>17.90</u>	<u>2416.50</u>
POZMIX	<u>90</u>	@	<u>9.35</u>	<u>841.50</u>
GEL	<u>4</u>	@	<u>23.40</u>	<u>93.60</u>
CHLORIDE	<u>8</u>	@	<u>64.00</u>	<u>512.00</u>
ASC		@		
		@		
		@		
		@		
		@		
		@		
		@		
		@		
		@		
HANDLING	<u>241.74</u>	@	<u>2.48</u>	<u>399.51</u>
MILEAGE	<u>10.15/15/2.60</u>	@		<u>396.19</u>
				TOTAL <u>4859.30</u>

REMARKS:
Brk circ, Pump Preflush, mix & pump
Cement, Disp, ~~but~~ Did circ cement

SERVICE
 DEPTH OF JOB 255
 PUMP TRUCK CHARGE 1512.25
 EXTRA FOOTAGE @ _____
 MILEAGE 15 @ 7.70 115.50
 MANIFOLD @ _____
LU 15 @ 4.40 66.00
 @ _____

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

TOTAL 1693.75

PLUG & FLOAT EQUIPMENT
NA
 @ _____
 @ _____
 @ _____
 @ _____
 @ _____
 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 6553.05

PRINTED NAME Steve Myers
 SIGNATURE Steve Myers

DISCOUNT _____ IF PAID IN 30 DAYS
NET 5242.44

ALLIED OIL & GAS SERVICES, LLC 059993

Federal Tax I.D.# 20-5975804

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

SERVICE POINT:
Medicine Lodge KS

DATE <u>11-4-2013</u>	SEC. <u>15</u>	TWP. <u>34s</u>	RANGE <u>11W</u>	CALLED OUT <u>2:00pm</u>	ON LOCATION <u>4:00 pm</u>	JOB START <u>10:45 pm</u>	JOB FINISH <u>11:45 pm</u>
LEASE <u>Medicine River Ranch</u>	WELL # <u>B-13</u>	LOCATION <u>281 & Scott Cynvaon, Pt</u>			COUNTY <u>Berthel</u>	STATE <u>Ks</u>	
OLD OR <u>(NEW)</u> (Circle one)			e to curve, South to rig				

CONTRACTOR Hgrat #1
TYPE OF JOB Production
HOLE SIZE 7 7/8 T.D. 5048'
CASING SIZE 5 1/2 14# DEPTH 5036'
TUBING SIZE _____ DEPTH _____
DRILL PIPE _____ DEPTH _____
TOOL _____ DEPTH _____
PRES. MAX _____ MINIMUM _____
MEAS. LINE _____ SHOE JOINT 42'
CEMENT LEFT IN CSG. _____
PERFS. _____
DISPLACEMENT 125 1/2 bbls of 2% KCL water

OWNER N-10 Exploration
CEMENT
AMOUNT ORDERED 40 sy 60:40:4%OG
- 4% OHS, 150 sy Class H + 10%
SS12 + 5# Kolses,
COMMON A 24 sx @ 17.90 429.60
POZMIX 16 sx @ 9.35 149.60
GEL 2 sx @ 23.40 46.80
CHLORIDE @ _____
ASC @ _____
H 150 sx @ 21.20 3180.00
Salt 8 sx @ 26.35 210.80
Kolses 750 # @ .98 735.00
SMS 14# @ 3.30 46.20
ASF 12 bbls @ 58.70 704.40
Clappr 14 bbls @ 34.40 481.60
HANDLING 218.82 @ 2.48 542.67
MILEAGE 9.60/15/2.60 @ 374.40
TOTAL 6901.07

EQUIPMENT
PUMP TRUCK CEMENTER Darin F
471-265 HELPER Justin B.
BULK TRUCK
364 DRIVER David F.
BULK TRUCK
_____ DRIVER _____

REMARKS:
Pipe on bottom & break Circulation
Pressure test to 2,000 psi, Pump 20 bbls
2% KCL water, 3 bbls Fresh water, 12 bbls
ASF, 3 bbls Fresh water, mix 15 sy for
Pst hole, mix 25 sy Seccenser Cement, mix
150 sy 14# cement, shut down, with pump
1.1 sy, repress plug, start displacement
1.1 ft pressure @ 95 bbls, slow rise to 30 pm
@ 110 bbls, bump plus @ 125 bbls 800-1300 psi.
Flow & d.b. hole

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

SERVICE
DEPTH OF JOB 5036'
PUMP TRUCK CHARGE 2765.25
EXTRA FOOTAGE @ _____
MILEAGE 15 @ 2.70 40.50
MANIFOLD Hedrents, @ 275.00
L.U 15 @ 4.40 66.00
TOTAL 3222.25

PLUG & FLOAT EQUIPMENT
5 1/2
1- Rubber Plug @ 36.41
1- Guide Shoe @ 280.20
1- DFU Insert @ 334.62
8- Centralizers @ 57.33 458.64
10- Reciprocating @ 88.92 889.20
sextachers
TOTAL 2048.07

To: Allied Oil & Gas Services, LLC.
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SALES TAX (if Any) _____
TOTAL CHARGES 12,171.39
DISCOUNT _____ IF PAID IN 30 DAYS
(Net) 9737.11

PRINTED NAME x TIM PIERCE
SIGNATURE x Tim Pierce
Thank you!!!

Timothy G. Pierce

Petroleum Geologist

GEOLOGIST'S REPORT DRILLING TIME AND SAMPLE LOG

COMPANY N-10 Exploration, LLC
 LEASE Medicine River Ranch 'B' #13
 FIELD Landis
 LOCATION SW NW SW
 SEC 15 TWP 34S RGE 11W
 COUNTY Barber STATE Kansas
 CONTRACTOR Hardt Drilling Rig #1
 SPUD 10-25-2013 COMP 11-05-2013
 RTD 5048 LTD 5048
 MUD UP 3077 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 4000 to RTD
 GEOLOGIST ON WELL Tim Pierce

ELEVATIONS

KB 1341'
 DF _____
 GL 1331'
 Measurements Are All
 From Kelly Bushing

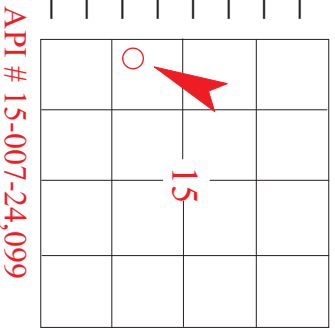
CASING

CONDUCTOR _____
 SURFACE 8-5/8" at 265'
 PRODUCTION 5-1/2" at 5035'

ELECTRICAL SURVEYS

DIL / CN-CD Pioneer


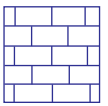
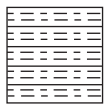

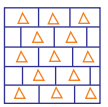

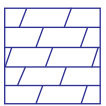
FORMATION TOPS	ELECTRIC LOG	SAMPLE
Heebner Sh.	3630 (-2289)	NA
Iatan LS.	4060 (-2719)	4055 (-2714)
Stark Sh.	4310 (-2969)	4310 (-2969)
Cherokee Sh.	4530 (-3189)	4533 (-3192)
Mississippi	4570 (-3229)	4578 (-3237)
Chattanooga Sh.	4862 (-3521)	4865 (-3524)
Viola	4922 (-3581)	4922 (-3581)
Simpson	5013 (-3672)	5011 (-3670)




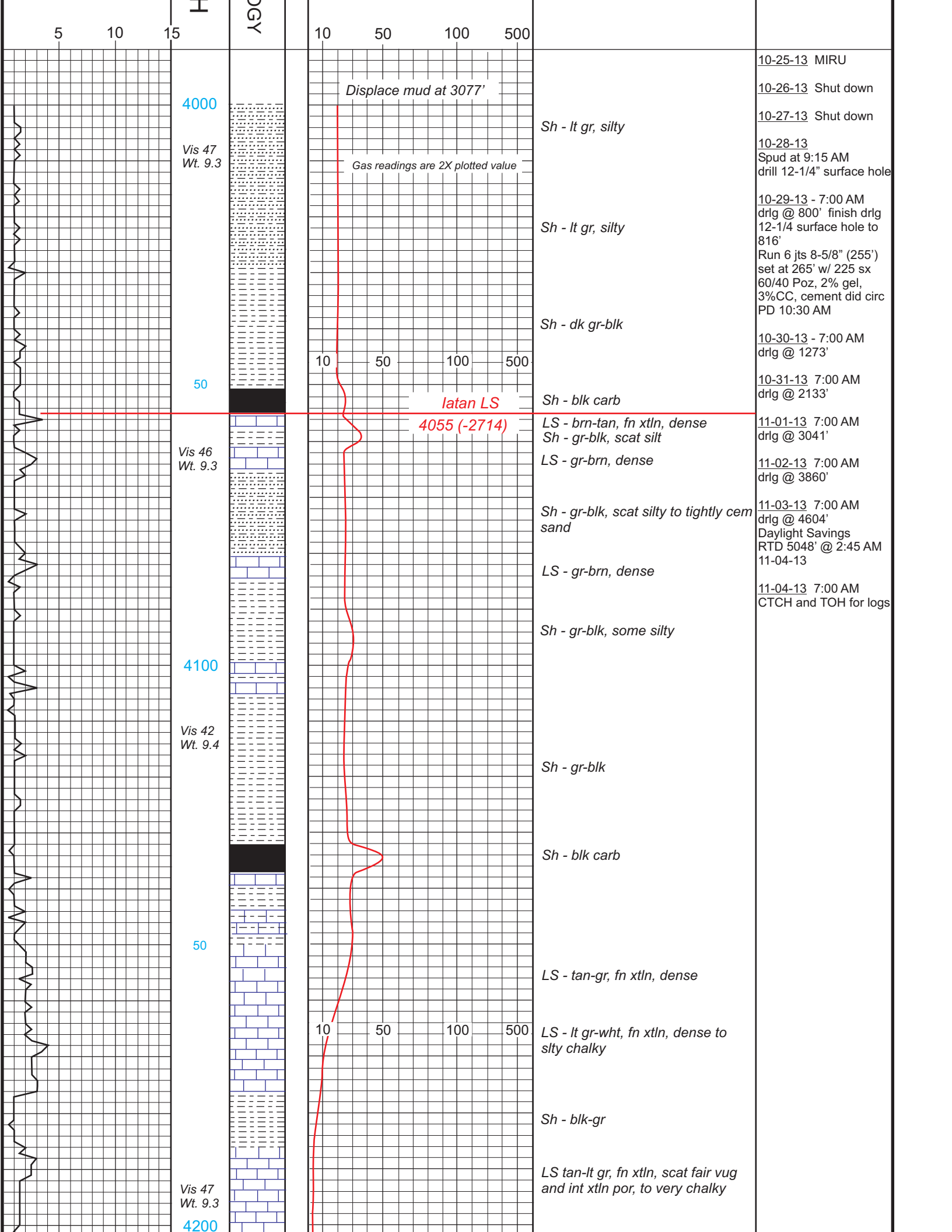
REMARKS Samples and electric logs indicate probable production from the Mississippi from 4570'- 4650'.
A slight show of gas and slt show of oil were observed in the Chattanooga Shale from 4862'- 4888'.
A slight show of oil was observed in the Meisner Sand at 4888'-4890' however samples and electric logs indicate a tight zone of no commercial value.
Electric logs indicate a possible zone in the Hertha LS at 4354'-4356', no sample shows were observed through this interval however there was a slight gas increase recorded.
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 	DEPT	LITHOLG	GAS SCALE	SAMPLE DESCRIPTION	REMARKS
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5 10 15

OGY

10 50 100 500

4000

Vis 47
Wt. 9.3

Displace mud at 3077'

Gas readings are 2X plotted value

Sh - lt gr, silty

10-25-13 MIRU
10-26-13 Shut down
10-27-13 Shut down
10-28-13
Spud at 9:15 AM
drill 12-1/4" surface hole

Sh - lt gr, silty

10-29-13 - 7:00 AM
drlg @ 800' finish drlg
12-1/4 surface hole to
816'
Run 6 jts 8-5/8" (255')
set at 265' w/ 225 sx
60/40 Poz, 2% gel,
3%CC, cement did circ
PD 10:30 AM

Sh - dk gr-blk

10-30-13 - 7:00 AM
drlg @ 1273'

50

Vis 46
Wt. 9.3

latan LS
4055 (-2714)

Sh - blk carb

10-31-13 7:00 AM
drlg @ 2133'

LS - brn-tan, fn xtl, dense
Sh - gr-blk, scat silt

11-01-13 7:00 AM
drlg @ 3041'

LS - gr-brn, dense

11-02-13 7:00 AM
drlg @ 3860'

Sh - gr-blk, scat silty to tightly cem
sand

11-03-13 7:00 AM
drlg @ 4604'
Daylight Savings
RTD 5048' @ 2:45 AM
11-04-13

LS - gr-brn, dense

4100

Vis 42
Wt. 9.4

Sh - gr-blk, some silty

11-04-13 7:00 AM
CTCH and TOH for logs

50

Vis 47
Wt. 9.3

4200

10 50 100 500

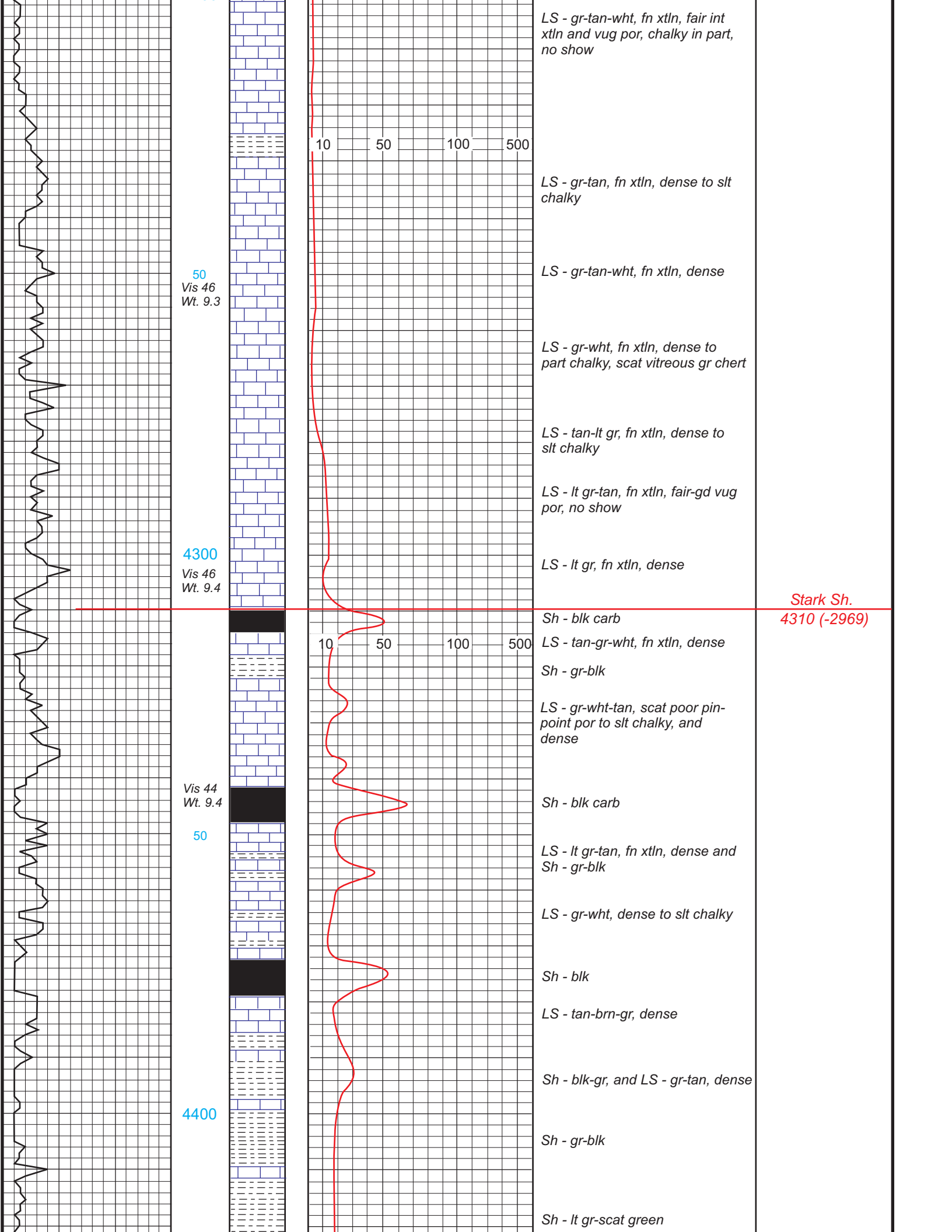
Sh - blk carb

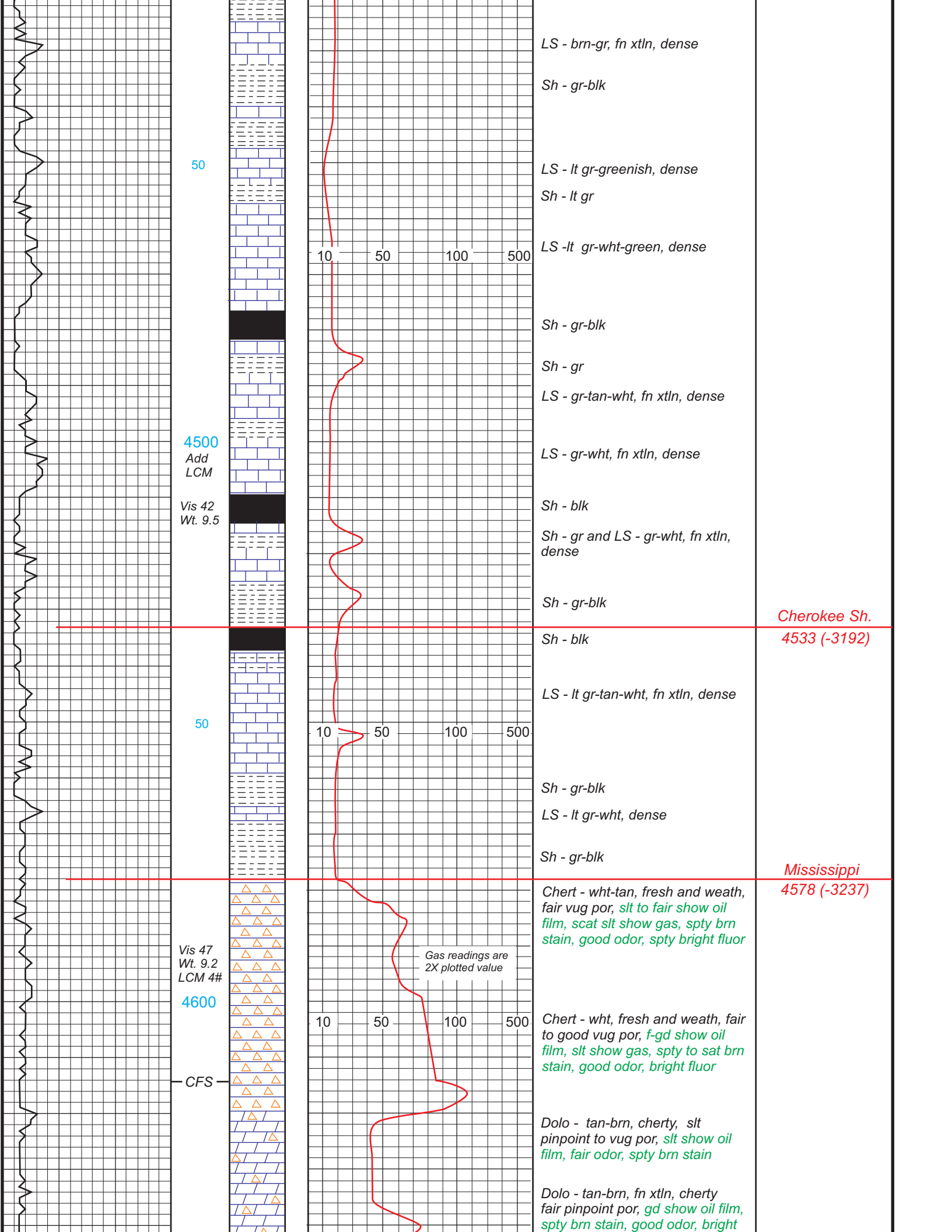
LS - tan-gr, fn xtl, dense

LS - lt gr-wht, fn xtl, dense to
stly chalky

Sh - blk-gr

LS tan-lt gr, fn xtl, scat fair vug
and int xtl por, to very chalky





LS - brn-gr, fn xtln, dense

Sh - gr-blk

50

LS - lt gr-greenish, dense

Sh - lt gr

10 50 100 500

LS -lt gr-wht-green, dense

Sh - gr-blk

Sh - gr

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

4500

Add
LCM

LS - gr-wht, fn xtln, dense

Vis 42
Wt. 9.5

Sh - blk

Sh - gr and LS - gr-wht, fn xtln,
dense

Sh - gr-blk

Cherokee Sh.

4533 (-3192)

Sh - blk

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

50

10 50 100 500

Sh - gr-blk

LS - lt gr-wht, dense

Sh - gr-blk

Mississippi

4578 (-3237)

Chert - wht-tan, fresh and weath,
fair vug por, slt to fair show oil
film, scat slt show gas, spty brn
stain, good odor, spty bright fluor

Gas readings are
2X plotted value

Vis 47
Wt. 9.2
LCM 4#

4600

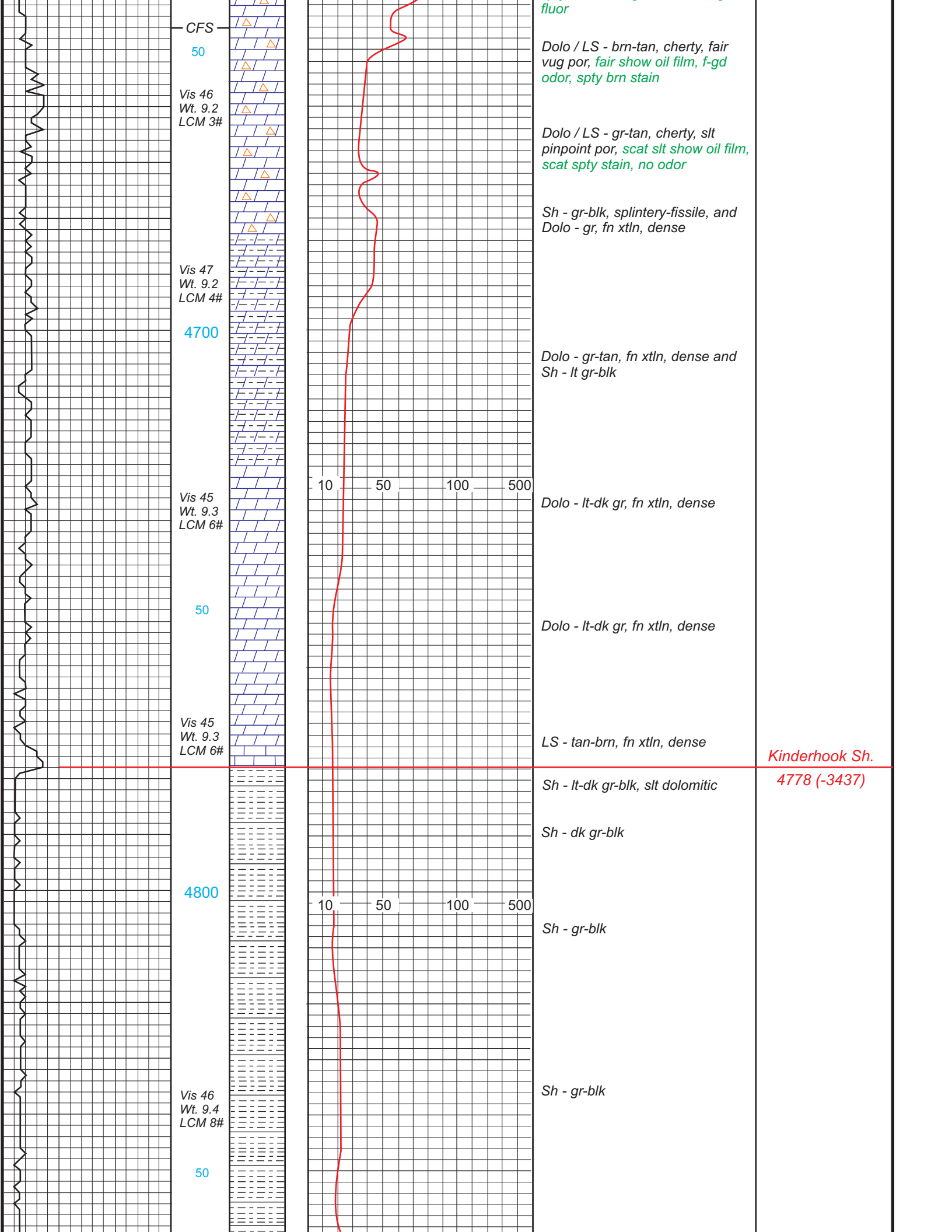
10 50 100 500

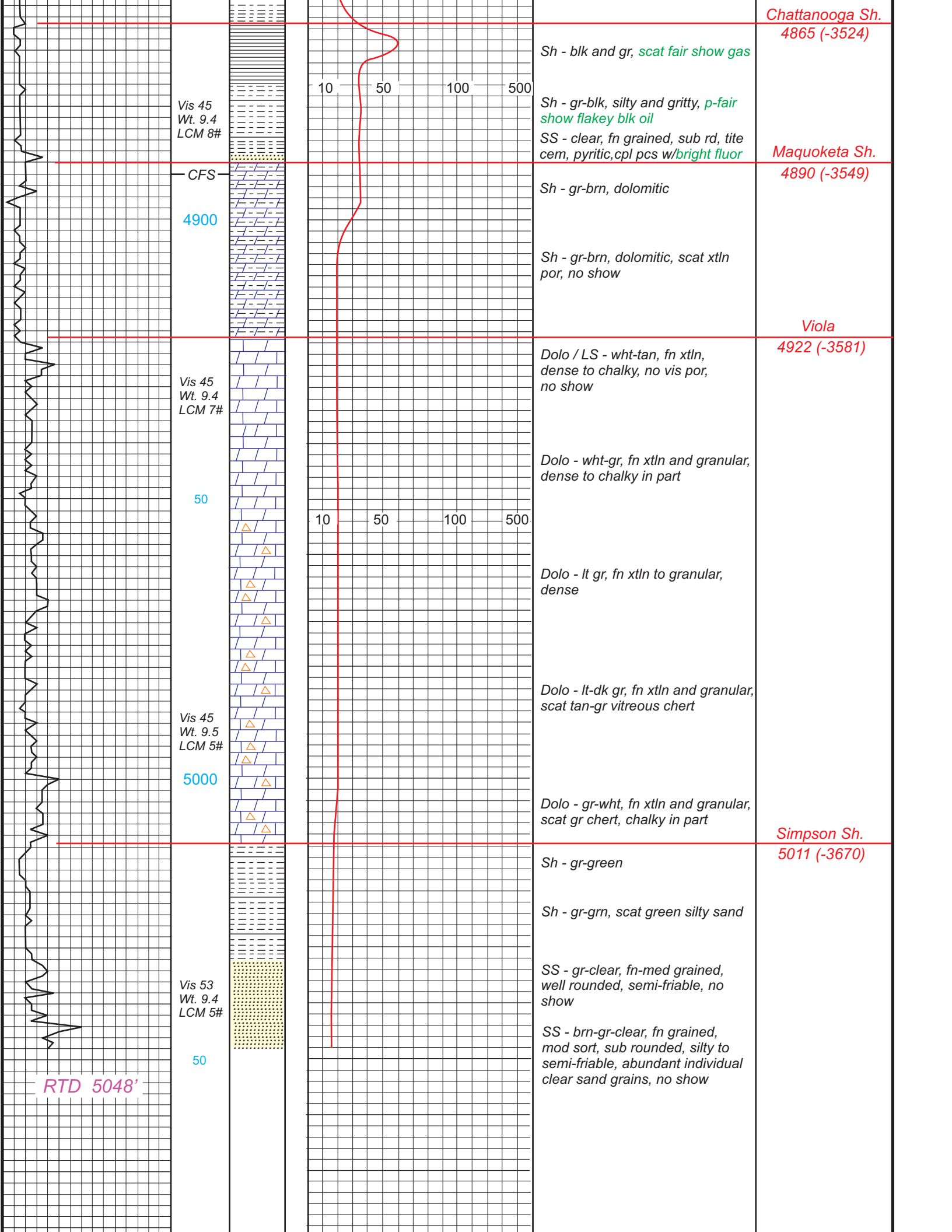
Chert - wht, fresh and weath, fair
to good vug por, f-gd show oil
film, slt show gas, spty to sat brn
stain, good odor, bright fluor

CFS

Dolo - tan-brn, cherty, slt
pinpoint to vug por, slt show oil
film, fair odor, spty brn stain

Dolo - tan-brn, fn xtln, cherty
fair pinpoint por, gd show oil film,
spty brn stain, good odor, bright





Chattanooga Sh.
4865 (-3524)

Sh - blk and gr, *scat fair show gas*

Vis 45
Wt. 9.4
LCM 8#

10 50 100 500

Sh - gr-blk, silty and gritty, *p-fair show flakey blk oil*
SS - clear, fn grained, sub rd, tite cem, pyritic, cpl pcs w/*bright fluor*

Maquoketa Sh.
4890 (-3549)

CFS
4900

Sh - gr-brn, dolomitic

Sh - gr-brn, dolomitic, scat xtl
por, no show

Viola
4922 (-3581)

Vis 45
Wt. 9.4
LCM 7#

10 50 100 500

Dolo / LS - wht-tan, fn xtl, dense to chalky, no vis por, no show

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

Dolo - lt gr, fn xtl to granular, dense

Dolo - lt-dk gr, fn xtl and granular, scat tan-gr vitreous chert

Vis 45
Wt. 9.5
LCM 5#

5000

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

Simpson Sh.
5011 (-3670)

Sh - gr-green

Sh - gr-grn, scat green silty sand

Vis 53
Wt. 9.4
LCM 5#

50

SS - gr-clear, fn-med grained, well rounded, semi-friable, no show

SS - brn-gr-clear, fn grained, mod sort, sub rounded, silty to semi-friable, abundant individual clear sand grains, no show

RTD 5048'

