



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: _____



1060947

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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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> <i>(Submit ACO-4)</i> <input type="checkbox"/> Other (Specify) _____	PRODUCTION INTERVAL: _____ _____
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ALLIED CEMENTING CO., LLC. 040137

Federal Tax I.D.# 20-5975804

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

SERVICE POINT:
Great Bend, KS

DATE <u>4-7-11</u>	SEC. <u>15</u>	TWP. <u>32s</u>	RANGE <u>10w</u>	CALLED OUT	ON LOCATION	JOB START <u>7:30pm</u>	JOB FINISH <u>8:45pm</u>
LEASE <u>Sodder</u>	WELL # <u>2</u>	LOCATION <u>Stacy, KS, 1E, N into</u>			COUNTY <u>Barber</u>	STATE <u>KS</u>	
OLD OR <u>NEW</u> (Circle one)							

CONTRACTOR Landmark

TYPE OF JOB Surface

HOLE SIZE 12 1/4 T.D. 281'

CASING SIZE 8 7/8 DEPTH 285'

TUBING SIZE DEPTH

DRILL PIPE DEPTH

TOOL DEPTH

PRES. MAX 300psi MINIMUM

MEAS. LINE SHOE JOINT

CEMENT LEFT IN CSG. 20'

PERFS.

DISPLACEMENT 16 1/2 bbls H₂O

EQUIPMENT

PUMP TRUCK CEMENTER Matt Hinesch

366 HELPER Bob G.B.

BULK TRUCK

363/250 DRIVER Raymond R

BULK TRUCK

DRIVER

OWNER R+B Oil + Gas

CEMENT

AMOUNT ORDERED 185 SK 60:40:2 1/2
+ 8% ca

COMMON	<u>111</u>	@ <u>16.25</u>	<u>1,803.75</u>
POZMIX	<u>74</u>	@ <u>8.50</u>	<u>629.00</u>
GEL	<u>3</u>	@ <u>21.25</u>	<u>63.75</u>
CHLORIDE	<u>6</u>	@ <u>58.20</u>	<u>349.20</u>
ASC		@	
		@	
		@	
		@	
		@	
		@	
		@	
		@	
HANDLING	<u>194</u>	@ <u>2.25</u>	<u>436.50</u>
MILEAGE	<u>194 x 15 x .11</u>	<u>320.40</u>	<u>320.10</u>
TOTAL			<u>2602.30</u>

REMARKS:

Back area with truck pump stop bbls H₂O
ahead mix 185 SK cement shutdown
Return plug 16 1/2 bbls H₂O
shut in cement did circulate

SERVICE

DEPTH OF JOB 285'

PUMP TRUCK CHARGE 1125.00

EXTRA FOOTAGE @

MILEAGE 30 @ 7.00 210.00

MANIFOLD @

light T-414 30 @ 4.00 120.00

@

CHARGE TO: R+B Oil + Gas

STREET

CITY STATE ZIP

TOTAL 1,455.00

8 5/8 PLUG & FLOAT EQUIPMENT

1-wooden plug

@ 53.00

@

@

@

@

TOTAL 53.00

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.

PRINTED NAME D N Cole

SIGNATURE

SALES TAX (If Any)

TOTAL CHARGES [scribble]

DISCOUNT [scribble] IF PAID IN 30 DAYS

ALLIED CEMENTING CO., LLC. 040143

Federal Tax I.D.# 20-5975804

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

SERVICE POINT:
Mud Lake

DATE <i>4-19-11</i>	SEC. <i>15</i>	TWP. <i>32S</i>	RANGE <i>10W</i>	CALLED OUT	ON LOCATION	JOB START <i>1:30pm</i>	JOB FINISH <i>2:30pm</i>
LEASE <i>Seller</i>	WELL # <i>2</i>	LOCATION <i>Sharon 1E, NMS</i>	COUNTY <i>Barber</i>	STATE <i>KS</i>			
OLD OR <input checked="" type="checkbox"/> NEW (Circle one)							

CONTRACTOR *Landmark Drilling*

TYPE OF JOB *Production*

HOLE SIZE *7 7/8* T.D. *4654'*

CASING SIZE *5 1/2* DEPTH *4654'*

TUBING SIZE DEPTH

DRILL PIPE DEPTH

TOOL DEPTH

PRES. MAX MINIMUM

MEAS. LINE SHOE JOINT *41'*

CEMENT LEFT IN CSG. *41'*

PERFS.

DISPLACEMENT *114 bbls 2% lcl*

EQUIPMENT

OWNER *R+B Oil + Gas*

CEMENT

AMOUNT ORDERED *40 sk 60:40:40 gel*
+ 4 1/2 sm.s.
125 sk class II + 10% salt + 5% kolseal

COMMON Class A	24 sk @ 16.25	390.00
POZMIX	16 sk @ 8.00	128.00
GEL	2 sk @ 21.25	42.50
CHLORIDE	@	
ASC	@	
Class II	125 sk @ 19.25	2406.25
Salt	135 sk @ 23.95	311.35
Kolseal	625 # @ .09	556.25
Sodium Metasilicate	13 # @ 3.00	39.00
	@	
Claps	1 Bag @ 31.25	406.25
ADF	500 lbs @ 1.27	635.00
	@	
HANDLING	194 sk @ 2.35	436.50
MILEAGE	10/11/194	213.40
TOTAL		5572.50

PUMP TRUCK CEMENTER *Matt Hymoch*

26265 HELPER *Jason Thomasch*

BULK TRUCK

369 DRIVER *Raymond R*

BULK TRUCK

DRIVER

REMARKS:

Back on 1st R3 pump ball check
pump 20 bbls 3% lcl pump 3% lcl
pump 3 bbls 2% lcl mix 15% salt + 5% kolseal
mix 25% salt + 5% kolseal + 10% salt
Shutdown work pump + press down 114 bbls 2% lcl
plug plug 500 lbs to 1000 lbs
plus hold

SERVICE

DEPTH OF JOB *4654'*

PUMP TRUCK CHARGE *2405.00*

EXTRA FOOTAGE @

MILEAGE *20* @ *7.00* *140.00*

MANIFOLD, Head Rental @ *200.00*

Light Vehicle *20* @ *4.00* *80.00*

@

TOTAL *2825.00*

CHARGE TO: *R+B Oil + Gas*

STREET

CITY STATE ZIP

5/2 PLUG & FLOAT EQUIPMENT

1- Gndashoe		178.00
1- AFU insert	@	155.00
7- centralizers	@	49.00
13- scratchers	@	71.00
	@	
	@	
TOTAL		1599.00

To Allied Cementing Co., LLC.
You are hereby requested to rent cementing equipment and furnish cements 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)

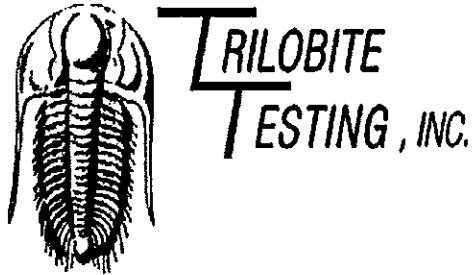
TOTAL CHARGES *2825.00*

DISCOUNT

IF PAID IN 30 DAYS *2825.00*

PRINTED NAME *Tim Pierce*

SIGNATURE *Tim Pierce*



DRILL STEM TEST REPORT

Prepared For: **R&B Oil & Gas Inc.**

POBox 195
Attica KS 67009

ATTN: Tim Pierce

15-32s-10w Barber,KS

Saddler#2

Start Date: 2011.04.17 @ 02:26:27

End Date: 2011.04.17 @ 11:10:12

Job Ticket #: 37458 DST #: 1

Trilobite Testing, Inc

PO Box 1733 Hays, KS 67601

ph: 785-625-4778 fax: 785-625-5620

R&B Oil & Gas Inc.

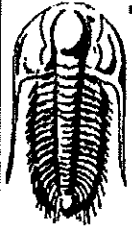
Saddler#2

15-32s-10w Barber,KS

DST # 1

Miss.

2011.04.17



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

R&B Oil & Gas Inc.

Saddler#2

POBox 195
Attica KS 67009

15-32s-10w Barber,KS

ATTN: Tim Pierce

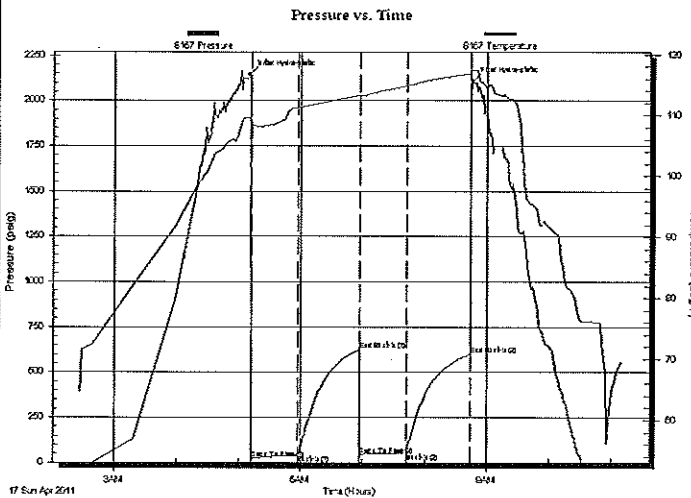
Job Ticket: 37458 DST#: 1
Test Start: 2011.04.17 @ 02:26:27

GENERAL INFORMATION:

Formation: **Miss.**
 Deviated: **No Whipstock:** ft (KB)
 Time Tool Opened: 05:11:57
 Time Test Ended: 11:10:12
 Interval: **4386.00 ft (KB) To 4400.00 ft (KB) (TVD)**
 Total Depth: **4400.00 ft (KB) (TVD)**
 Hole Diameter: **7.88 inches** Hole Condition: **Fair**
 Test Type: **Conventional Bottom Hole**
 Tester: **Gary Pevoteaux**
 Unit No: **56**
 Reference Elevations: **1471.00 ft (KB)**
1462.00 ft (CF)
 KB to GR/CF: **9.00 ft**

Serial #: 8167 Inside
 Press@RunDepth: **55.10 psig @ 4387.00 ft (KB)** Capacity: **8000.00 psig**
 Start Date: **2011.04.17** End Date: **2011.04.17** Last Calib.: **2011.04.17**
 Start Time: **02:26:32** End Time: **11:10:12** Time On Btm: **2011.04.17 @ 05:09:42**
 Time Off Btm: **2011.04.17 @ 08:46:12**

TEST COMMENT: IF:Fair strong blow . BOB in 18 mins.
 IS:No blow .
 FF:Fair to strong blow . BOB in 35 mins.
 FSI:No blow .



PRESSURE SUMMARY

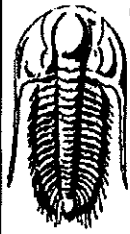
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2146.00	109.63	Initial Hydro-static
3	20.35	108.72	Open To Flow (1)
48	42.08	111.30	Shut-in(1)
108	624.87	113.29	End Shut-in(1)
108	42.72	113.16	Open To Flow (2)
153	55.10	114.85	Shut-in(2)
215	600.06	116.81	End Shut-in(2)
217	2109.37	117.34	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
60.00	GOCWM 4%g 6%o 45%w 45%m	0.30
35.00	OCM 6%o 94%m	0.22
0.00	365 ft.of GIP	0.00

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

R&B Oil & Gas Inc.

Saddler#2

POBox 195
Attica KS 67009

15-32s-10w Barber,KS

Job Ticket: 37458

DST#: 1

ATTN: Tim Pierce

Test Start: 2011.04.17 @ 02:26:27

Tool Information

Drill Pipe:	Length: 4301.00 ft	Diameter: 3.80 inches	Volume: 60.33 bbl	Tool Weight: 2400.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 24000.00 lb
Drill Collar:	Length: 90.00 ft	Diameter: 2.25 inches	Volume: 0.44 bbl	Weight to Pull Loose: 55000.00 lb
			<u>Total Volume: 60.77 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	25.00 ft			String Weight: Initial 44000.00 lb
Depth to Top Packer:	4386.00 ft			Final 45000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	14.00 ft			
Tool Length:	34.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
C.O. Sub	1.00			4367.00	
Shut in tool	5.00			4372.00	
HMV	5.00			4377.00	
Packer	4.00			4381.00	20.00 Bottom Of Top Packer
Packer	5.00			4386.00	
Stubb	1.00			4387.00	
Recorder	0.00	8167	Inside	4387.00	
Recorder	0.00	8370	Outside	4387.00	
Perforations	8.00			4395.00	
Bullnose	5.00			4400.00	14.00 Bottom Packers & Anchor
Total Tool Length:	34.00				



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

R&B Oil & Gas Inc.

Saddler#2

POBox 195
Attica KS 67009

15-32s-10w Barber,KS

Job Ticket: 37458

DST#: 1

ATTN: Tim Pierce

Test Start: 2011.04.17 @ 02:26:27

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

5600 ppm

Viscosity: 51.00 sec/qt

Cushion Volume:

bbf

Water Loss: 10.78 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 4000.00 ppm

Filter Cake: 0.20 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbf
60.00	GOCMM 4%g 6%o 45%w 45%m	0.295
35.00	OCM 6%o 94%m	0.218
0.00	365 ft.of GIP	0.000

Total Length: 95.00 ft Total Volume: 0.513 bbf

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #: none

Laboratory Name:

Laboratory Location:

Recovery Comments: rw: 1.4 @ 64 degF

Serial #: 8167

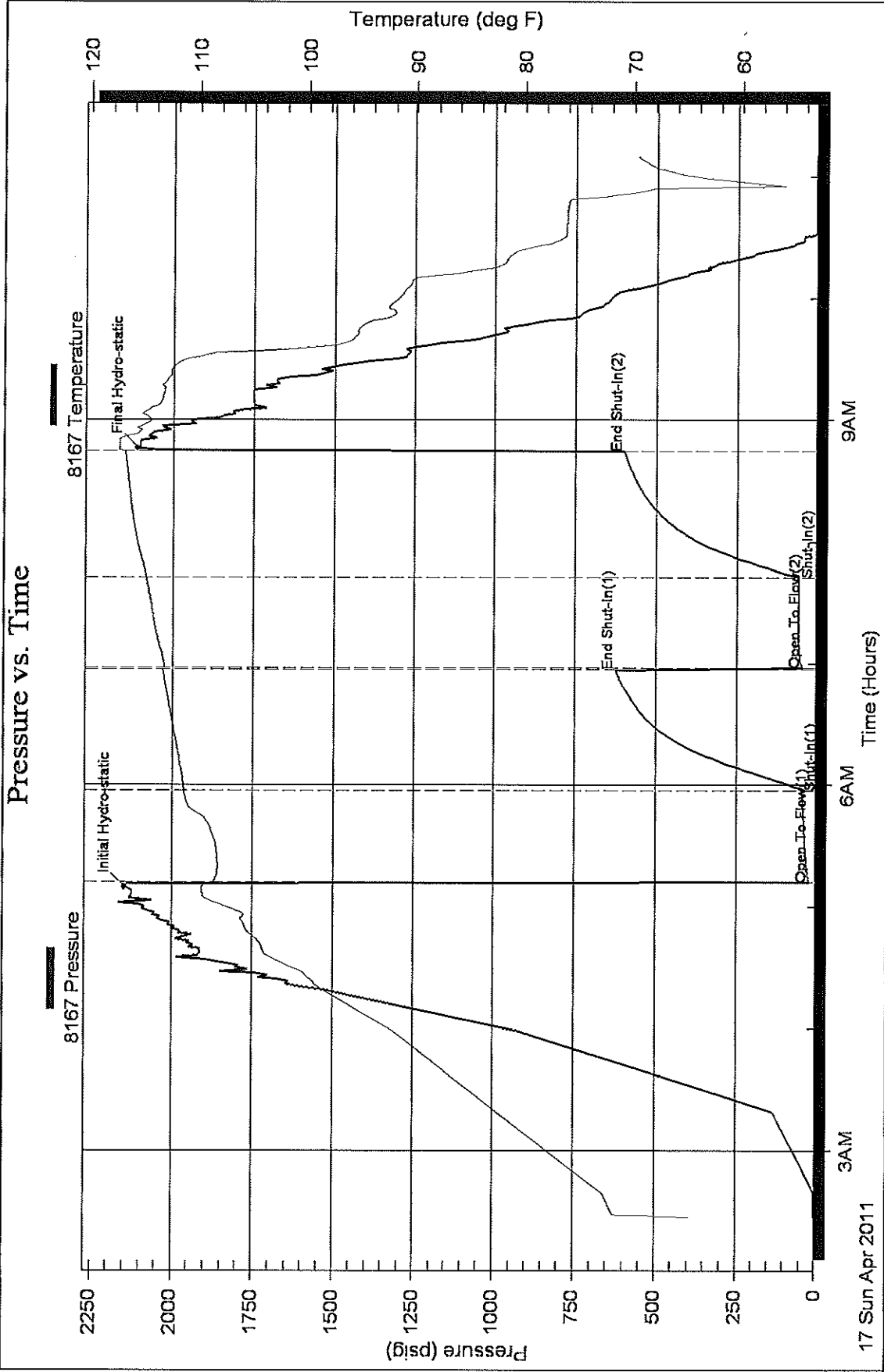
Inside

R&B Oil & Gas Inc.

15-32s-10w Barber.KS

DST Test Number: 1

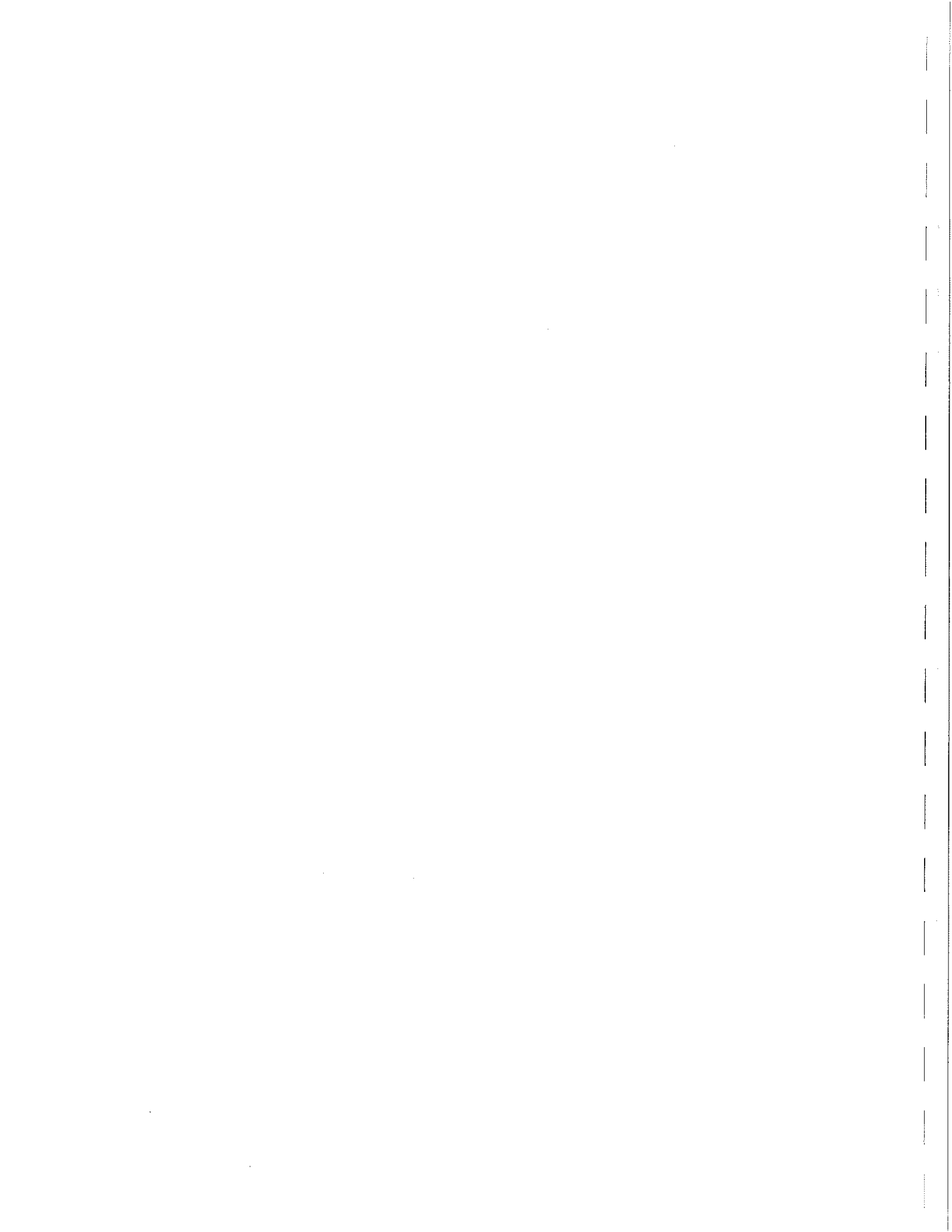
Pressure vs. Time



Trilobite Testing, Inc

Ref. No: 37458

Printed: 2011.04.27 @ 09:18:39 Page 5



Timothy G. Pierce

Petroleum Geologist

GEOLOGIST'S REPORT DRILLING TIME AND SAMPLE LOG

COMPANY R & B Oil and Gas, Inc.

ELEVATIONS

LEASE Saddler #2

KB 1471'

FIELD McGuire-Goemann

DF _____

LOCATION S/2 SE SW

SEC 15 TWPSP 32S RGE 10W

GL 1462'

COUNTY Barber STATE Kansas

Measurements Are All
From Kelly Bushing

CONTRACTOR Landmark Drilling Rig #6

CASING

SPUD 4-07-2011 COMP 4-18-2011

RTD 4666 LTD 4664

MUD UP 3430 TYPE MUD Chemical

CONDUCTOR _____
SURFACE 8-5/8" at 279'
PRODUCTION 5-1/2" at 4663'

SAMPLES SAVED FROM 4000 TO RTD

DRILLING TIME KEPT FROM 3400 TO RTD

SAMPLES EXAMINED FROM 4000 TO RTD

GEOLOGICAL SUPERVISION FROM 3800 TO RTD

GEOLOGIST ON WELL Tim Pierce

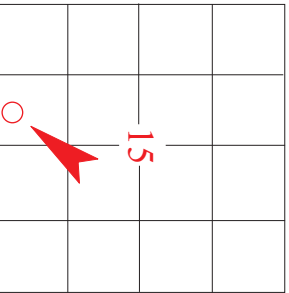
**ELECTRICAL
SURVEYS**
DIL / CN-CD
Log-Tech

FORMATION TOPS

ELECTRIC LOG

SAMPLE

Heebner Sh.	3465 (-1994)	3466 (-1995)
Lansing	3649 (-2178)	3650 (-2179)
Stark Sh.	4088 (-2617)	4086 (-2615)
Cherokee Sh.	4312 (-2841)	4316 (-2845)
Mississippi	4354 (-2883)	4357 (-2886)
Kinderhook Sh.	4570 (-3099)	4572 (-3101)
Viola	NA	4657 (-3186)



API # 15-007-23,671

REMARKS DST results were non-conclusive, but sample shows and electric logs indicate probable production from the Mississippi therefore the decision was made to run production casing and fracture treat the well.

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

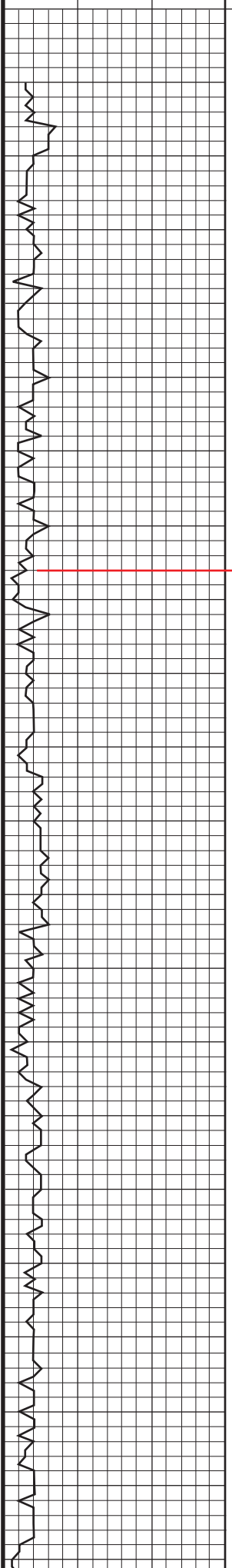
REMARKS

5 10 15

H

OGY

10 50 100 500



3400

50

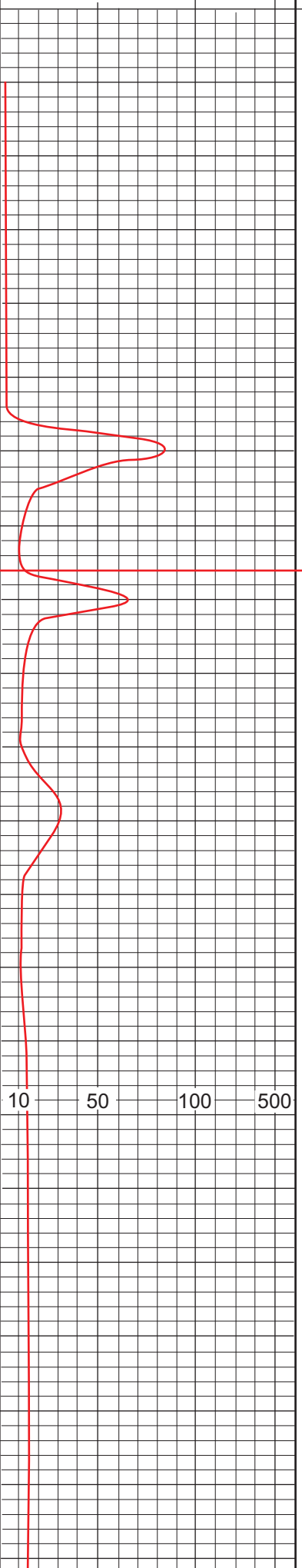
Vis 36
Wt. 8.8

3500

Vis 36
Wt. 8.8

50

3600



10 50 100 500

*Heebner Sh.
3466 (-1995)*

4-06-11 MIRT

4-07-11 - Spud 11 AM
Set 6 Jts 8-5/8" X 23#
@ 279' Cem w/ 185 sx
60/40 Poz, 2% gel, 3%
CC. PD @ 8 PM
DP @ 6 AM 4-08-11

4-08-11 - 7:00 AM
drlg @ 245'

4-09-11 7:00 AM
drlg @ 834'

4-10-11 7:00 AM
drlg @ 2046'

4-11-11 7:00 AM
2892' down for repairs

4-12-1108 7:00 AM
2892' down for repairs

4-13-11 7:00 AM
2892' down for repairs

4-14-11 - 7:00 AM
drlg @ 2923'

4-15-11 - 7:00 AM
drlg @ 3649'

4-16-11 - 7:00 AM
drlg @ 4197'

4-17-11 - 7:00 AM
4400' on bottom w/
DST #1
RTD 4666' @ 5:00 AM
4-18-11

4-18-11 - 7:00 AM
4666' TOH for logs

Vis 35
Wt. 8.8

50

Vis 38
Wt. 9.1

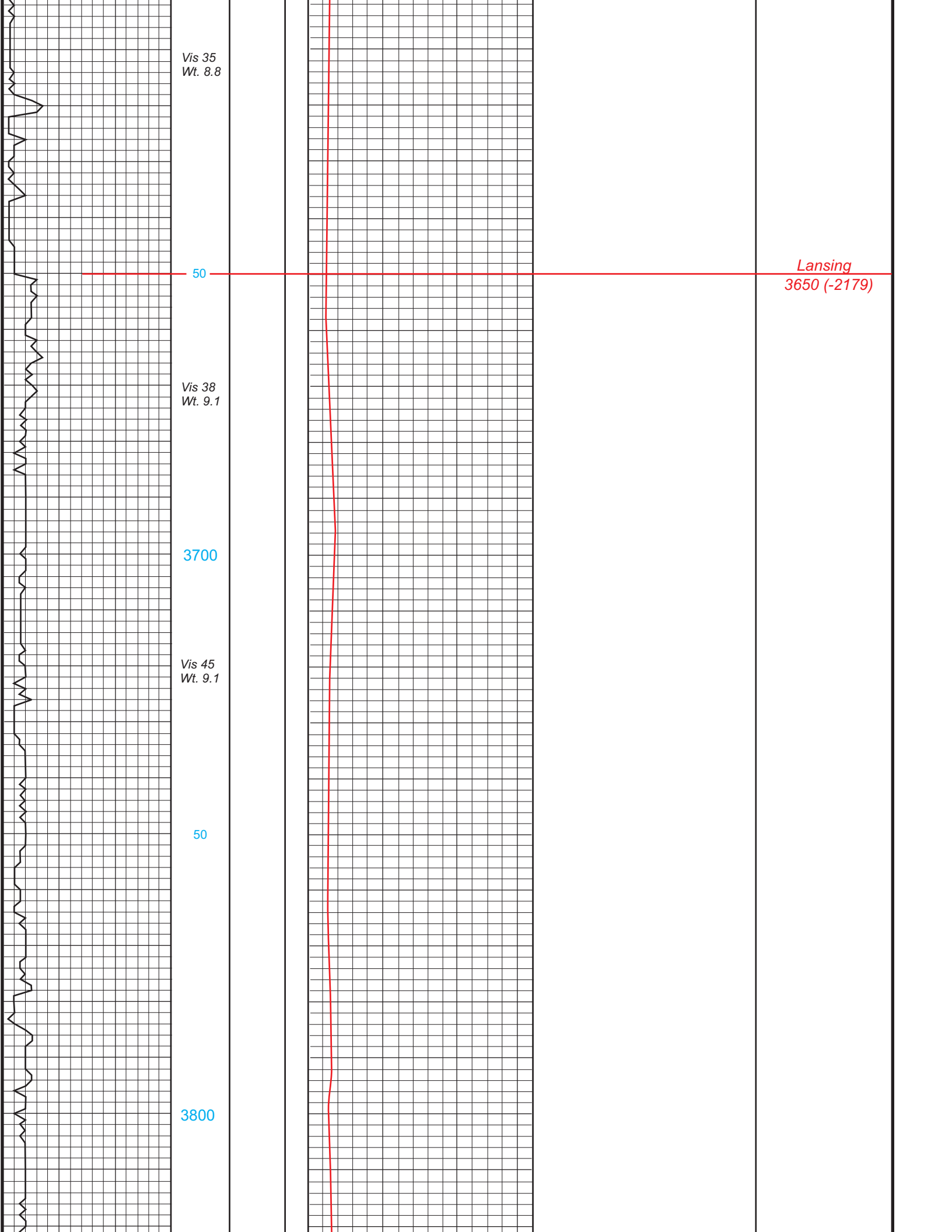
3700

Vis 45
Wt. 9.1

50

3800

Lansing
3650 (-2179)



Vis 44
Wt. 9.1

50

3900

50

Vis 44
Wt. 9.2

4000

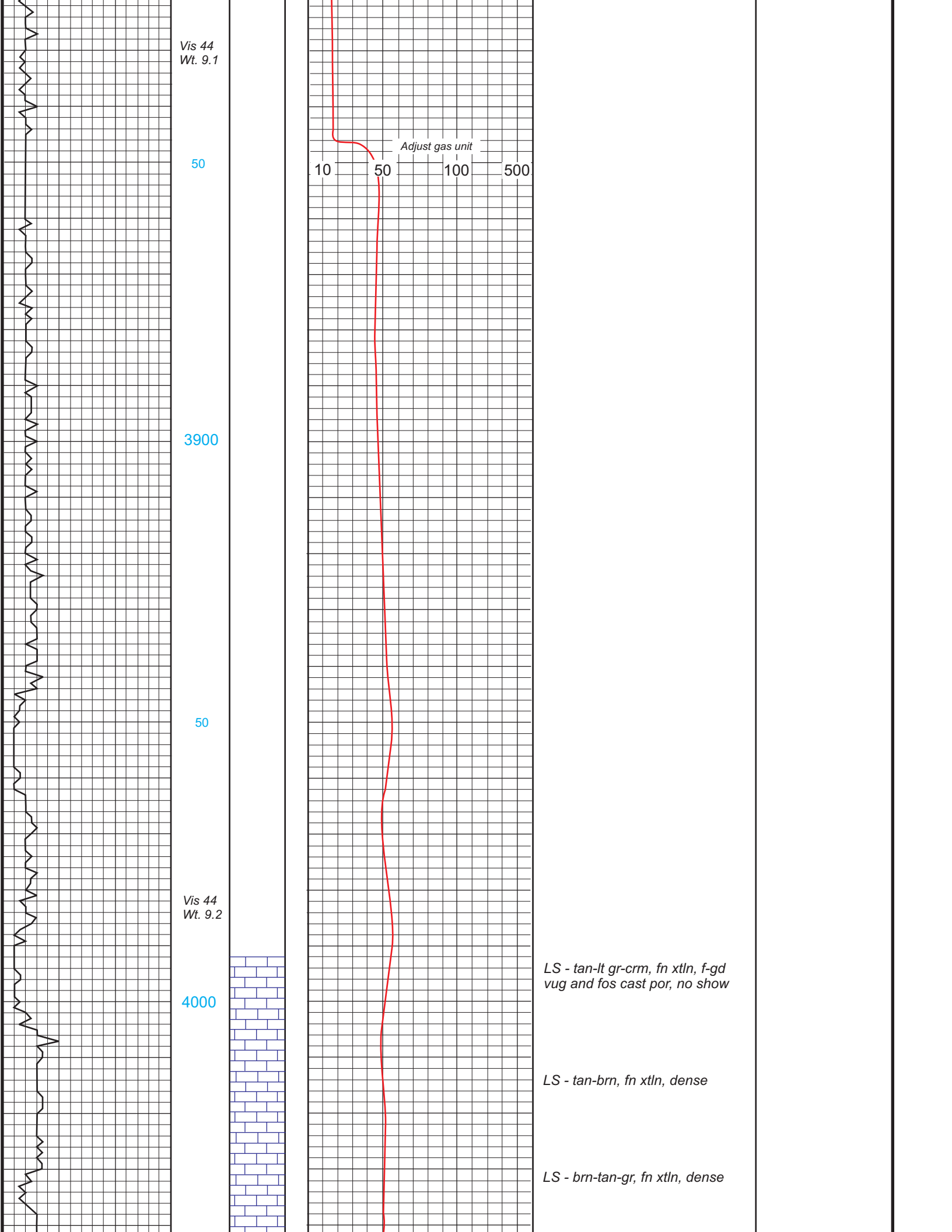
10 50 100 500

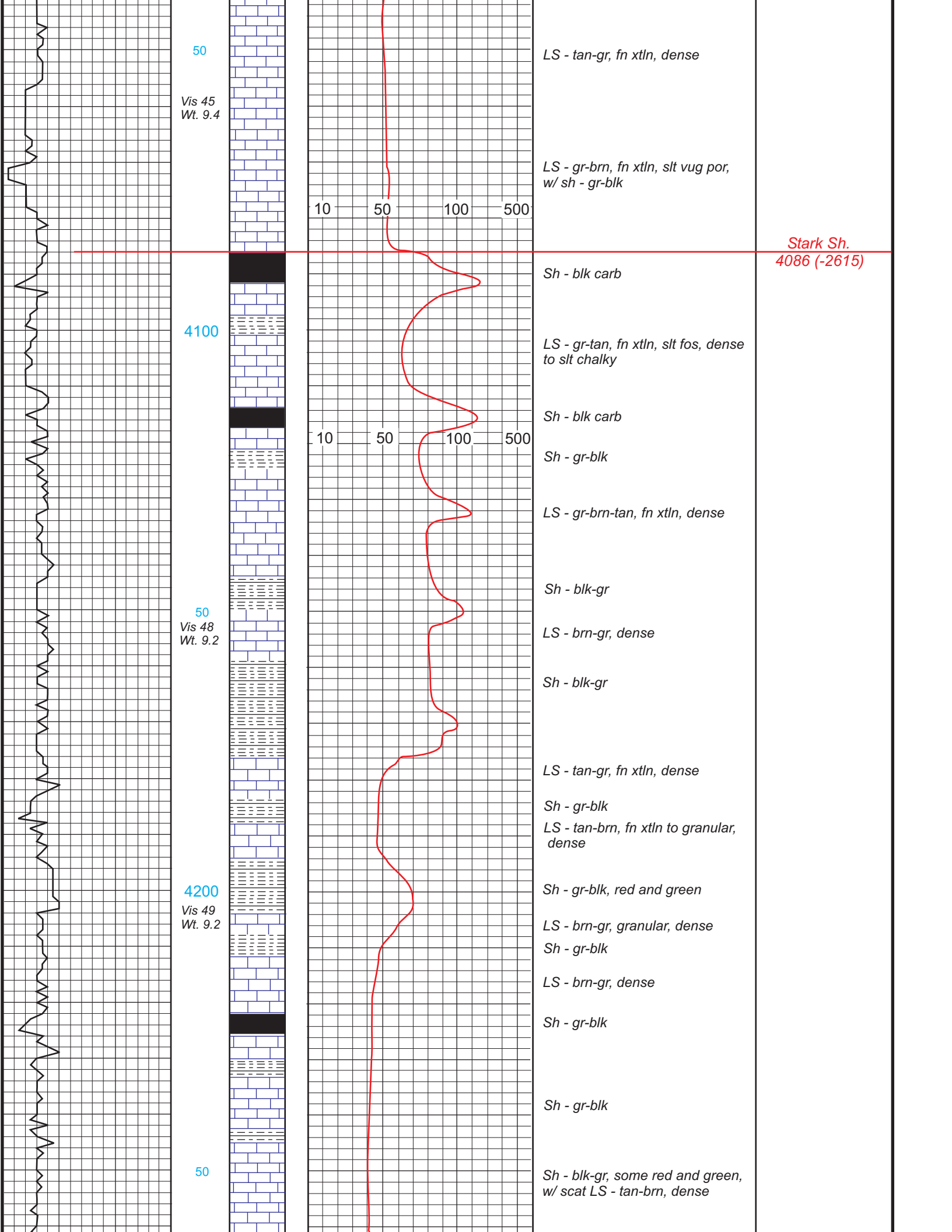
Adjust gas unit

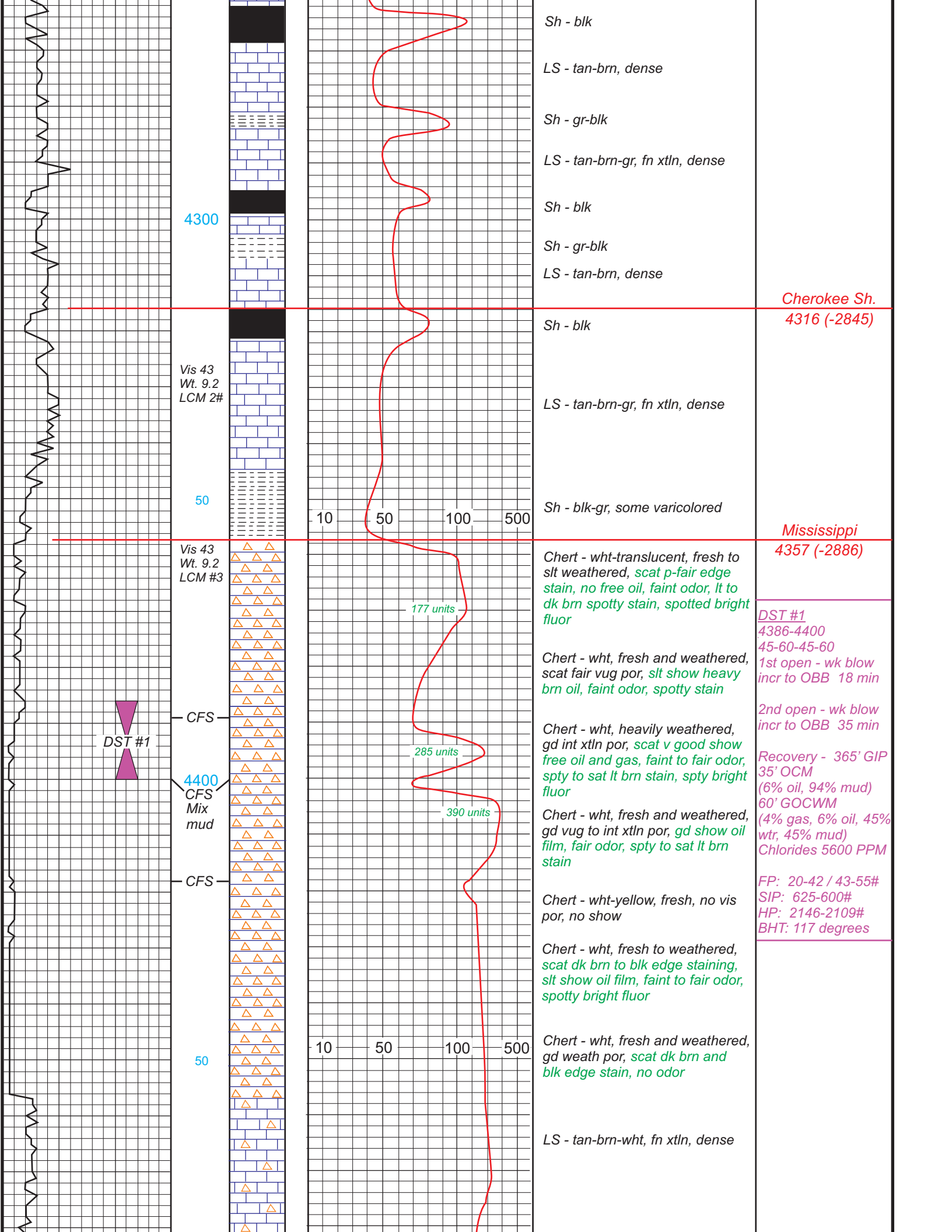
*LS - tan-lt gr-crm, fn xtln, f-gd
vug and fos cast por, no show*

LS - tan-brn, fn xtln, dense

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







4300

Vis 43
Wt. 9.2
LCM 2#

50

Vis 43
Wt. 9.2
LCM #3

CFS

4400
CFS
Mix
mud

CFS

50

DST #1

Sh - blk

LS - tan-brn, dense

Sh - gr-blk

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

Sh - blk

Sh - gr-blk

LS - tan-brn, dense

Cherokee Sh.
4316 (-2845)

Sh - blk

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

Sh - blk-gr, some varicolored

Mississippi
4357 (-2886)

Chert - wht-translucent, fresh to slt weathered, scat p-fair edge stain, no free oil, faint odor, lt to dk brn spotty stain, spotted bright fluor

177 units

Chert - wht, fresh and weathered, scat fair vug por, slt show heavy brn oil, faint odor, spotty stain

DST #1
4386-4400
45-60-45-60
1st open - wk blow
incr to OBB 18 min
2nd open - wk blow
incr to OBB 35 min

Chert - wht, heavily weathered, gd int xtln por, scat v good show free oil and gas, faint to fair odor, spty to sat lt brn stain, spty bright fluor

285 units

Chert - wht, fresh and weathered, gd vug to int xtln por, gd show oil film, fair odor, spty to sat lt brn stain

390 units

Recovery - 365' GIP
35' OCM
(6% oil, 94% mud)
60' GOCWM
(4% gas, 6% oil, 45% wtr, 45% mud)
Chlorides 5600 PPM

Chert - wht-yellow, fresh, no vis por, no show

FP: 20-42 / 43-55#
SIP: 625-600#
HP: 2146-2109#
BHT: 117 degrees

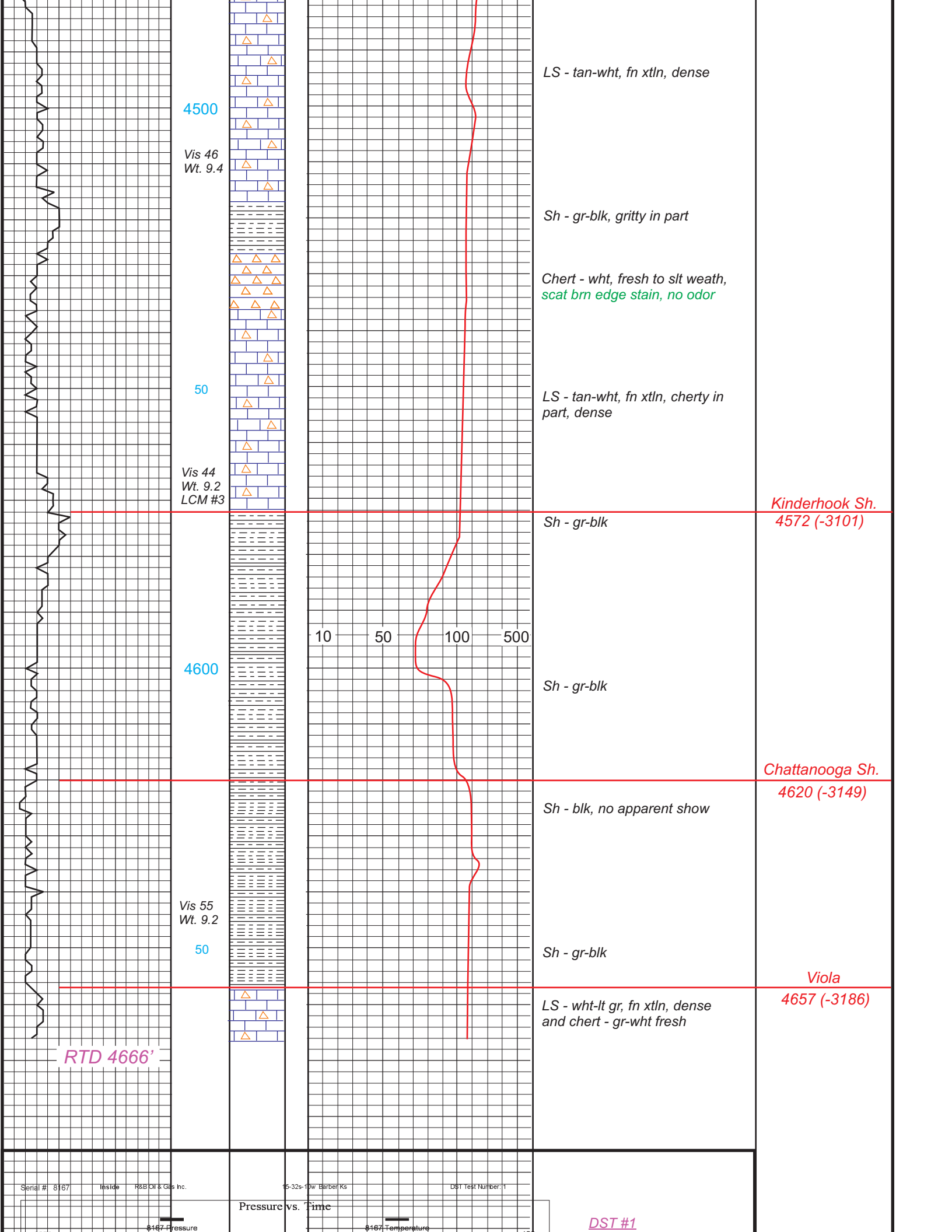
Chert - wht, fresh to weathered, scat dk brn to blk edge staining, slt show oil film, faint to fair odor, spotty bright fluor

Chert - wht, fresh and weathered, gd weath por, scat dk brn and blk edge stain, no odor

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

10 50 100 500

10 50 100 500



4500

Vis 46
Wt. 9.4

LS - tan-wht, fn xtl, dense

Sh - gr-blk, gritty in part

Chert - wht, fresh to slt weath,
scat brn edge stain, no odor

50

Vis 44
Wt. 9.2
LCM #3

LS - tan-wht, fn xtl, cherty in
part, dense

Kinderhook Sh.
4572 (-3101)

Sh - gr-blk

4600

10 50 100 500

Sh - gr-blk

Chattanooga Sh.
4620 (-3149)

Sh - blk, no apparent show

Vis 55
Wt. 9.2

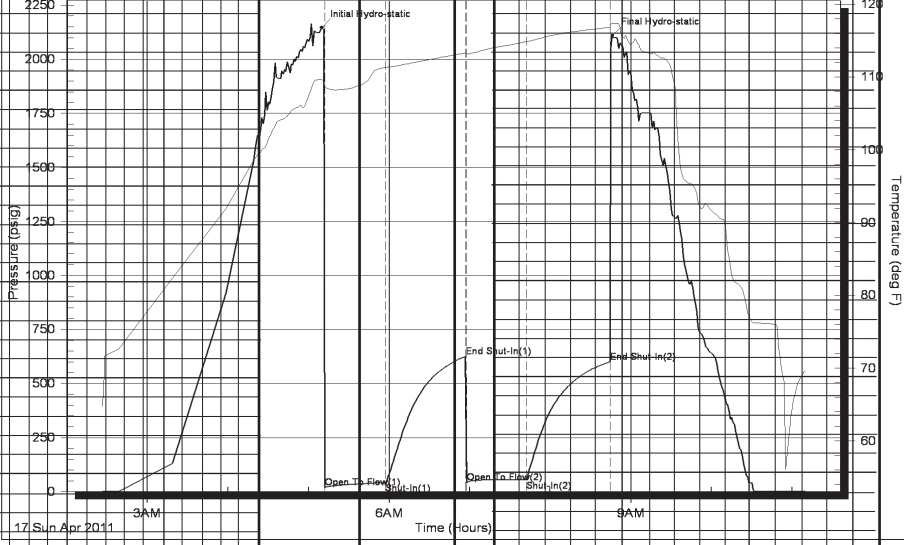
50

Sh - gr-blk

Viola
4657 (-3186)

LS - wht-lt gr, fn xtl, dense
and chert - gr-wht fresh

RTD 4666'



4386-4400
 45-60-45-60
 1st open - wk blow
 incr to OBB in 18 min

2nd open - wk blow
 incr to OBB in 35 min

Recovery - 365' GIP
 35' OCM
 (6% oil, 94% mud)
 60' GOCWM
 (4% gas, 6% oil, 45%
 wtr, 45% mud)
 Chlorides 5600 PPM

FP: 20-42 / 43-55#
 SIP: 625-600#
 HP: 2146-2109#
 BHT: 117 degrees

