



KANSAS CORPORATION COMMISSION 1066497
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: _____



1066497

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

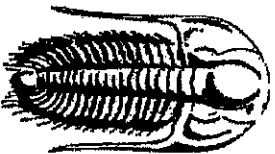
Shots Per Foot	PERFORATION RECORD - Bridge Plugs Set/Type Specify Footage of Each Interval Perforated	Acid, Fracture, Shot, Cement Squeeze Record <i>(Amount and Kind of Material Used)</i>	Depth

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> <i>(Submit ACO-4)</i> <input type="checkbox"/> Other (Specify) _____	PRODUCTION INTERVAL: _____ _____
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TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

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

PO Box 195
Attica, KS 67009

ATTN: Tim Pierce

22-34s-10w Barber,KS

Swartz A #2

Start Date: 2011.09.12 @ 07:46:53

End Date: 2011.09.12 @ 18:39:31

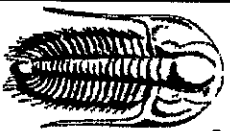
Job Ticket #: 43983 DST #: 1

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Printed: 2011.09.19 @ 14:36:47



TRILOBITE
TESTING, INC

DRILL STEM TEST REPORT

R & B Oil & Gas

Swartz A #2

PO Box 195
Attica, KS 67009

22-34s-10w Barber, KS

Job Ticket: 43983

DST#: 1

ATTN: Tim Pierce

Test Start: 2011.09.12 @ 07:46:53

GENERAL INFORMATION:

Formation: **Mississippi**
 Deviated: **No** Whipstock: **ft (KB)**
 Time Tool Opened: 10:35:53
 Time Test Ended: 18:39:31
 Interval: **4718.00 ft (KB) To 4747.00 ft (KB) (TVD)**
 Total Depth: **4747.00 ft (KB) (TVD)**
 Hole Diameter: **7.88** inches Hole Condition: **Good**

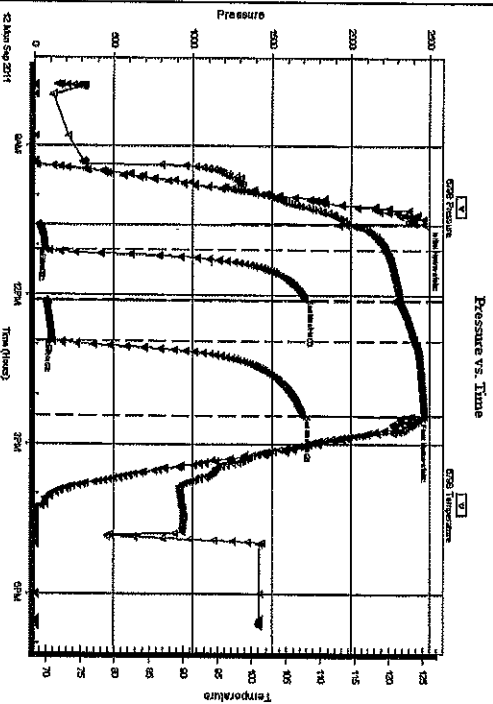
Test Type: **Conventional Bottom Hole (Initial)**
 Tester: **Leal Cason**
 Unit No: **45**
 Reference Elevations: **1363.00 ft (KB)**
1350.00 ft (CF)
KB to GRICE: 13.00 ft

Serial #: 6798 **Inside**
 Press@RunDepth: **110.81 psig @ 4719.00 ft (KB)**
 Start Date: **2011.09.12** End Date:
 Start Time: **07:46:54** End Time:

Capacity: **8000.00 psig**
 Last Callb.: **2011.09.12**
 Time On Bit: **2011.09.12 @ 10:34:23**
 Time Off Bit: **2011.09.12 @ 14:26:38**

TEST COMMENT:

IF: Fair Blow, BOB in 17 minutes
 IS: No Blowback
 FE: Fair Blow, BOB in 6 minutes
 FSI: No Blow back



PRESSURE SUMMARY

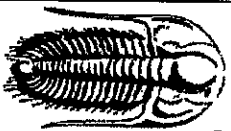
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2463.08	113.68	Initial Hydro-static
2	22.78	113.68	Open To Flow (1)
32	69.48	119.52	Shut-In(1)
92	1712.03	121.69	End Shut-In(1)
93	64.34	120.96	Open To Flow (2)
142	110.81	123.75	Shut-In(2)
232	1694.66	125.28	End Shut-In(2)
233	2385.94	124.90	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
0.00	419 GIP	0.00
119.00	Water	0.59
62.00	SOA/CW 2%O 22%M 76%W	0.87
30.00	GOA/M 10%G 6%O 40%W 44%M	0.42

Gas Rates

Choke (Inches)	Pressure (psig)	Gas Rate (Mc/d)



TRILOBITE
TESTING, INC

DRILL STEM TEST REPORT

TOOL DIAGRAM

R & B Oil & Gas
PO Box 195
Atteca, KS 67009
ATTN: Tim Perce

Swartz A #2
22-34s-10w Barber,KS
Job Ticket: 43983
DST#:1
Test Start: 2011.09.12 @ 07:46:53

Tool Information

Drill Pipe:	Length: 4595.00 ft	Diameter:	3.80 inches	Volume:	64.46 bbl	Tool Weight:	2100.00 lb
Heavy Wt. Pipe:	Length: ft	Diameter:	0.00 inches	Volume:	0.00 bbl	Weight set on Packer:	25000.00 lb
Drill Collar:	Length: 119.00 ft	Diameter:	2.25 inches	Volume:	0.59 bbl	Weight to Pull Loose:	76000.00 lb
				<u>Total Volume:</u>	<u>65.05 bbl</u>	Tool Chased	0.00 ft
Drill Pipe Above KB:	16.00 ft					String Weight: Initial	72000.00 lb
Depth to Top Packer:	4718.00 ft					Final	74000.00 lb
Depth to Bottom Packer:	ft						
Interval betw een Packers:	29.00 ft						
Tool Length:	49.00 ft						
Number of Packers:	2	Diameter:	6.75 inches				

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Shut In Tool	5.00			4703.00	
Hydraulic tool	5.00			4708.00	
Packer	5.00			4713.00	20.00
Packer	5.00			4718.00	Bottom Of Top Packer
Stubb	1.00			4719.00	
Recorder	0.00	6798	Inside	4719.00	
Recorder	0.00	8367	Outside	4719.00	
Perforations	25.00			4744.00	
Bullnose	3.00			4747.00	29.00
	Total Tool Length:				Bottom Packers & Anchor
					49.00



TRIOBITE
TESTING, INC

DRILL STEM TEST REPORT

FLUID SUMMARY

R & B Oil & Gas

Swartz A #2

PO Box 195
Attica, KS 67009

22-34s-10w Barber, KS

Job Ticket: 43983

DST#: 1

ATTN: Tim Perce

Test Start: 2011.09.12 @ 07:46:53

Mud and Cushion Information

Mud Type: Gel Chem
Mud Weight: 10.00 lb/gal
Viscosity: 46.00 sec/qt
Water Loss: 12.37 in³
Resistivity: ohmcm
Salinity: 4000.00 ppm
Filter Cake: 0.20 inches

Cushion Type: Oil API: deg API
Cushion Length: ft
Cushion Volume: bbl
Gas Cushion Type: Water Salinity: 115000 ppm
Gas Cushion Pressure: psig

Recovery Information

Recovery Table

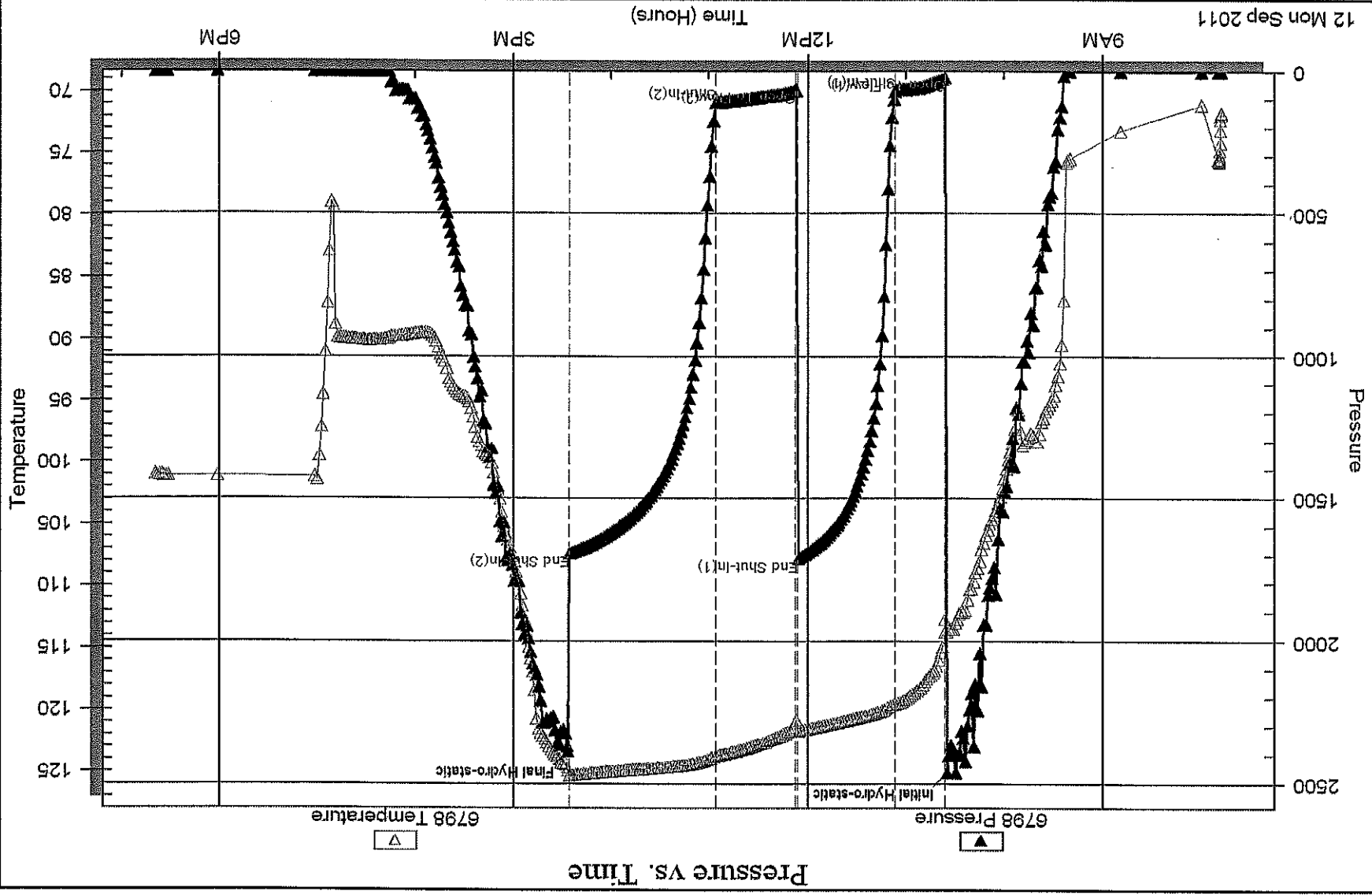
Length ft	Description	Volume bbl
0.00	419 GIP	0.000
119.00	Water	0.585
62.00	SOMCMW 2%O 22%AM 76%AW	0.870
30.00	GOVMCM 10%G 6%O 40%AW 44%AM	0.421

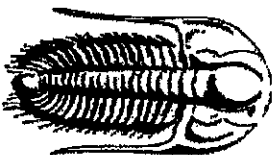
Total Length: 211.00ft Total Volume: 1.876 bbl

Num Fluid Samples: 0 Num Gas Borbs: 0 Serial #:

Laboratory Name: Laboratory Location:

Recovery Comments: RMW was .06 @ 85 degrees





TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

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

PO Box 195
Attica, KS 67009

ATTN: Tim Pierce

22-34s-10w Barber,KS

Swartz A #2

Start Date: 2011.09.13 @ 13:55:27

End Date: 2011.09.13 @ 20:57:57

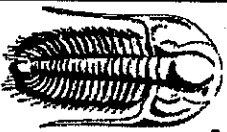
Job Ticket #: 43984 DST #: 2

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Printed: 2011.09.19 @ 14:35:44



TRILOBITE
TESTING, INC

DRILL STEM TEST REPORT

R & B Oil & Gas

Swartz A #2

PO Box 196
Atfica, KS 67009

22-34s-10w Barber,KS

Job Ticket: 43984 **DST#:** 2

ATTN: Tim Ferce

Test Start: 2011.09.13 @ 13:55:27

GENERAL INFORMATION:

Formation: **Simpson** ft (KB)
 Deviated: No Whipstock:
 Time Tool Opened: 16:15:42
 Time Test Ended: 20:57:57
 Interval: **5136.00 ft (KB) To 5160.00 ft (KB) (TVD)**
 Total Depth: **5160.00 ft (KB) (TVD)**
 Hole Diameter: **7.88** inches-Hole Condition: Good

Test Type: Conventional Bottom Hole (Reset)
 Tester: Leal Cason
 Unit No: 45

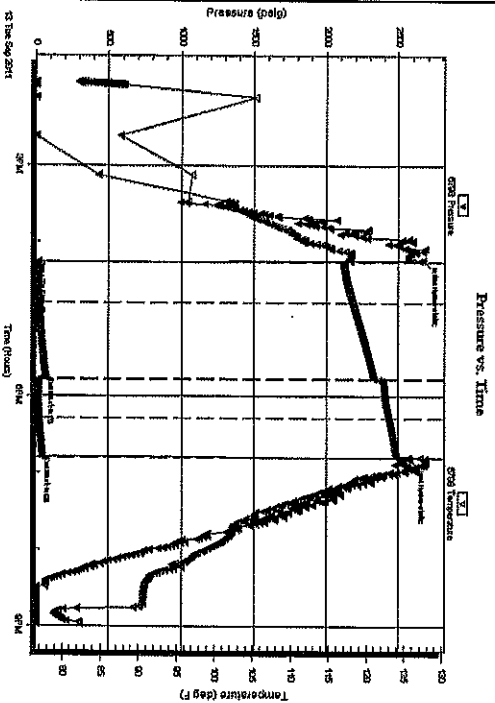
Reference Elevations: **1363.00 ft (KB)**
1350.00 ft (CF)
 KB to GRICE: **13.00 ft**

Serial #: 6798 Inside
 Press.@RunDepth: **18.98** psig @ **5137.00 ft (KB)**
 Start Date: 2011.09.13 End Date:
 Start Time: 13:55:28 End Time:

Capacity: **8000.00** psig
 Last Calib.: 2011.09.13
 Time On Btm: 2011.09.13 @ 16:14:12
 Time Off Btm: 2011.09.13 @ 18:48:27

TEST COMMENT: IF: Weak Surface Blow , Dead @ 7 minutes

SI: No Blow
 FI: No Blow
 FSI: No Blow



PRESSURE SUMMARY

Time (Mfn.)	Pressure (psig)	Temp (deg F)	Annotation
0	2667.19	117.80	Initial Hydro-static
2	15.24	117.16	Open To Flow (1)
34	18.66	118.12	Shut-In(1)
93	70.36	121.00	End Shut-In(1)
93	15.44	121.63	Open To Flow (2)
123	18.98	122.96	Shut-In(2)
154	45.43	123.98	End Shut-In(2)
155	2575.68	127.74	Final Hydro-static

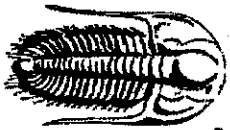
Recovery

Length (ft)	Description	Volume (bbl)
5.00	Mald	0.02

* Recovery from multiple tests

Gas Rates

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



TRIOBITE
TESTING, INC

DRILL STEM TEST REPORT

TOOL DIAGRAM

R & B Oil & Gas

Swartz A #2

PO Box 195
Atlica, KS 67009

22-34s-10w Barber,KS

Job Ticket: 43984

DST#: 2

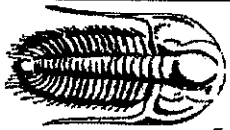
ATTN: Tim Perce

Test Start: 2011.09.13 @ 13:55:27

Tool Information

Drill Pipe:	Length: 5027.00 ft	Diameter:	3.80 inches	Volume:	70.52 bbl	Tool Weight:	2100.00 lb
Heavy Wt. Pipe:	Length: ft	Diameter:	0.00 inches	Volume:	0.00 bbl	Weight set on Packer:	25000.00 lb
Drill Collar:	Length: 119.00 ft	Diameter:	2.25 inches	Volume:	0.59 bbl	Weight to Pull Loose:	84000.00 lb
				<u>Total Volume:</u>	<u>71.11 bbl</u>	Tool Chased	ft
Drill Pipe Above KB:	30.00 ft					String Weight:	Initial 76000.00 lb
Depth to Top Packer:	5136.00 ft					Final	76000.00 lb
Depth to Bottom Packer:	ft						
Interval between Packers:	24.00 ft						
Tool Length:	44.00 ft						
Number of Packers:	2	Diameter:	6.75 inches				
Tool Comments:							

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Shut In Tool	5.00			5121.00	
Hydraulic tool	5.00			5126.00	
Packer	5.00			5131.00	20.00
Packer	5.00			5136.00	
Stubb	1.00			5137.00	
Recorder	0.00	6798	Inside	5137.00	
Recorder	0.00	8367	Outside	5137.00	
Perforations	20.00			5157.00	
Bullnose	3.00			5160.00	24.00
	Total Tool Length:				Bottom Packers & Anchor
					44.00



TRILOBITE
TESTING, INC

DRILL STEM TEST REPORT

FLUID SUMMARY

R & B Oil & Gas
PO Box 195
Attica, KS 67009
ATTN: Tim Ferce

Swartz A #2
22-34s-10w Barber,KS
Job Ticket: 43984 DST#: 2
Test Start: 2011.09.13 @ 13:55:27

Mud and Cushion Information

Mud Type: Gel Chem
Mud Weight: 10.00 lb/gal
Viscosity: 47.00 sec/cf
Water Loss: 10.38 in³
Resistivity: ohmcm
Salinity: 7000.00 ppm
Filter Cake: 0.20 inches

Cushion Type:
Cushion Length: ft
Cushion Volume: bbl
Gas Cushion Type:
Gas Cushion Pressure: psig
Oil API: deg API
Water Salinity: ppm

Recovery Information

Recovery Table

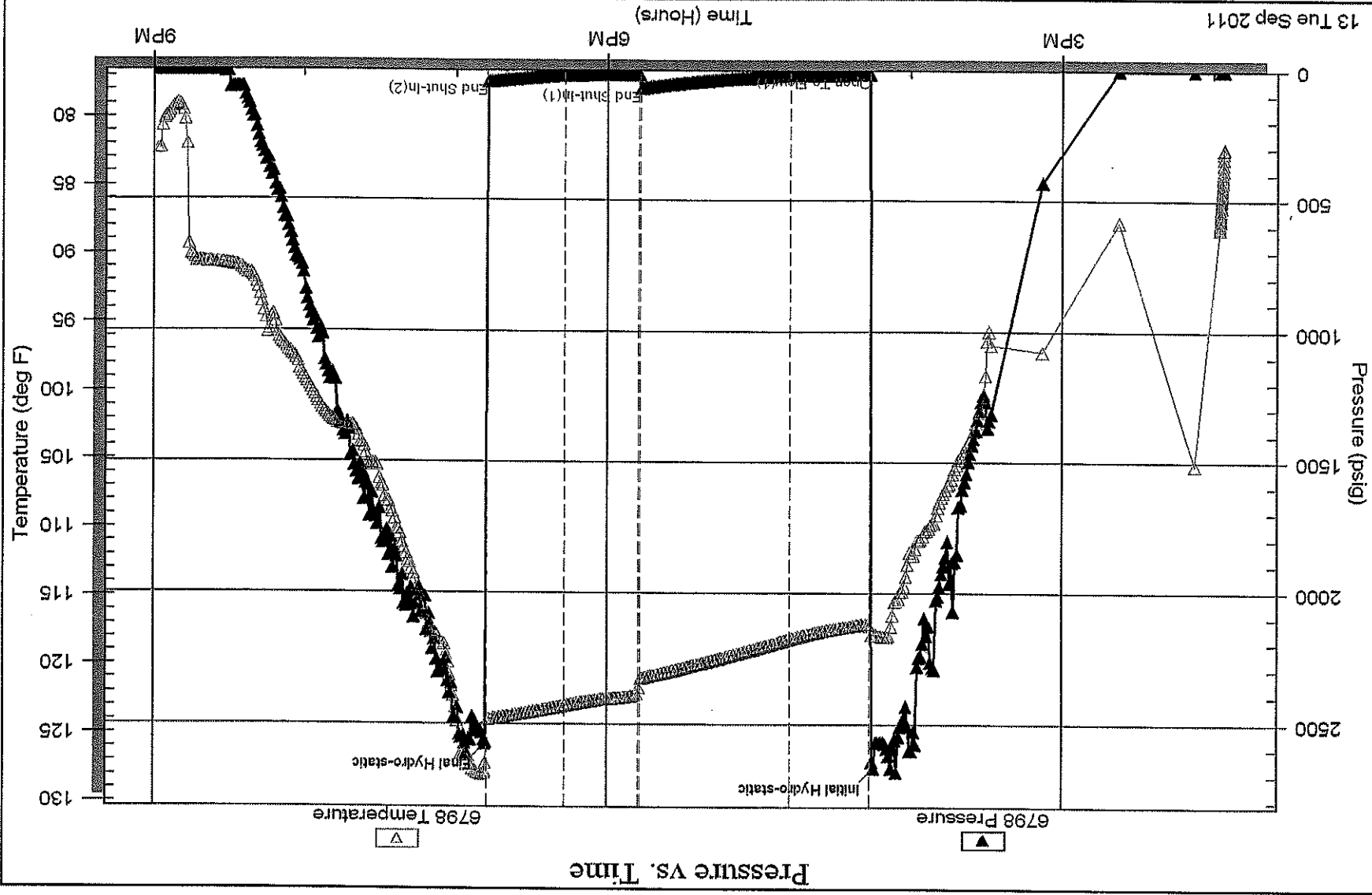
Length ft	Description	Volume bbl
5.00	Mud	0.025

Total Length: 5.00ft Total Volume: 0.025 bbl

Num Fluid Samples: 0 Num Gas Borts: 0 Serial #:

Laboratory Name: Laboratory Location:

Recovery Comments:



Timothy G. Pierce

Petroleum Geologist

GEOLOGIST'S REPORT DRILLING TIME AND SAMPLE LOG

COMPANY R & B Oil and Gas, Inc.

ELEVATIONS

LEASE Swartz 'A' #2

KB 1363'

FIELD Wildcat

DF _____

LOCATION S/2 NE NW

SEC 22 TWP 34S RGE 10W

GL 1353'

COUNTY Barber STATE Kansas

Measurements Are All
From Kelly Bushing

CONTRACTOR Hardt Drilling Rig #1

CASING

SPUD 9-07-2011 COMP 9-14-2011

RTD 5211 LTD 5213

MUD UP 3161 TYPE MUD Chemical

CONDUCTOR _____
SURFACE 8-5/8" at 271'

SAMPLES SAVED FROM 4000 TO RTD

PRODUCTION None

DRILLING TIME KEPT FROM 4000 TO RTD

ELECTRICAL

SAMPLES EXAMINED FROM 4000 TO RTD

GEOLOGICAL SUPERVISION FROM 4040 to RTD

DIL / CN-CD

GEOLOGIST ON WELL Tim Pierce

Log-Tech

FORMATION TOPS

ELECTRIC LOG

SAMPLE

Heebner Sh. 3586 (-22223) NA

Latan L.S. NA NA

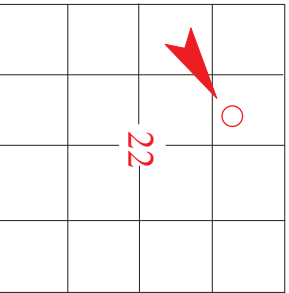
Stark Sh. 4330 (-2967) 4329 (-2966)

Cherokee Sh. 4571 (-3208) 4569 (-3206)

Mississippi 4677 (-3314) 4677 (-3314)

Viola 5061 (-3698) 5060 (-3697)

Simpson 5149 (-3786) 5143 (-3780)

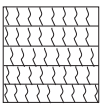


API # 15-007-23.757

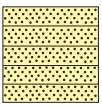
REMARKS Due to negative results on DST's and lack of commercial shows the decision was made to plug the Swartz 'A' #2.

Timothy G. Pierce

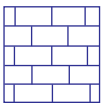
LEGEND



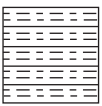
Anhydrite



Sandstone



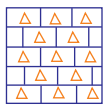
Limestone



Shale



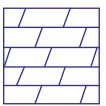
Carb Sh



Cherty LS



Chert



Dolomite

DRILLING TIME IN
MINUTES PER FOOT

Rate of Penetration Decreases



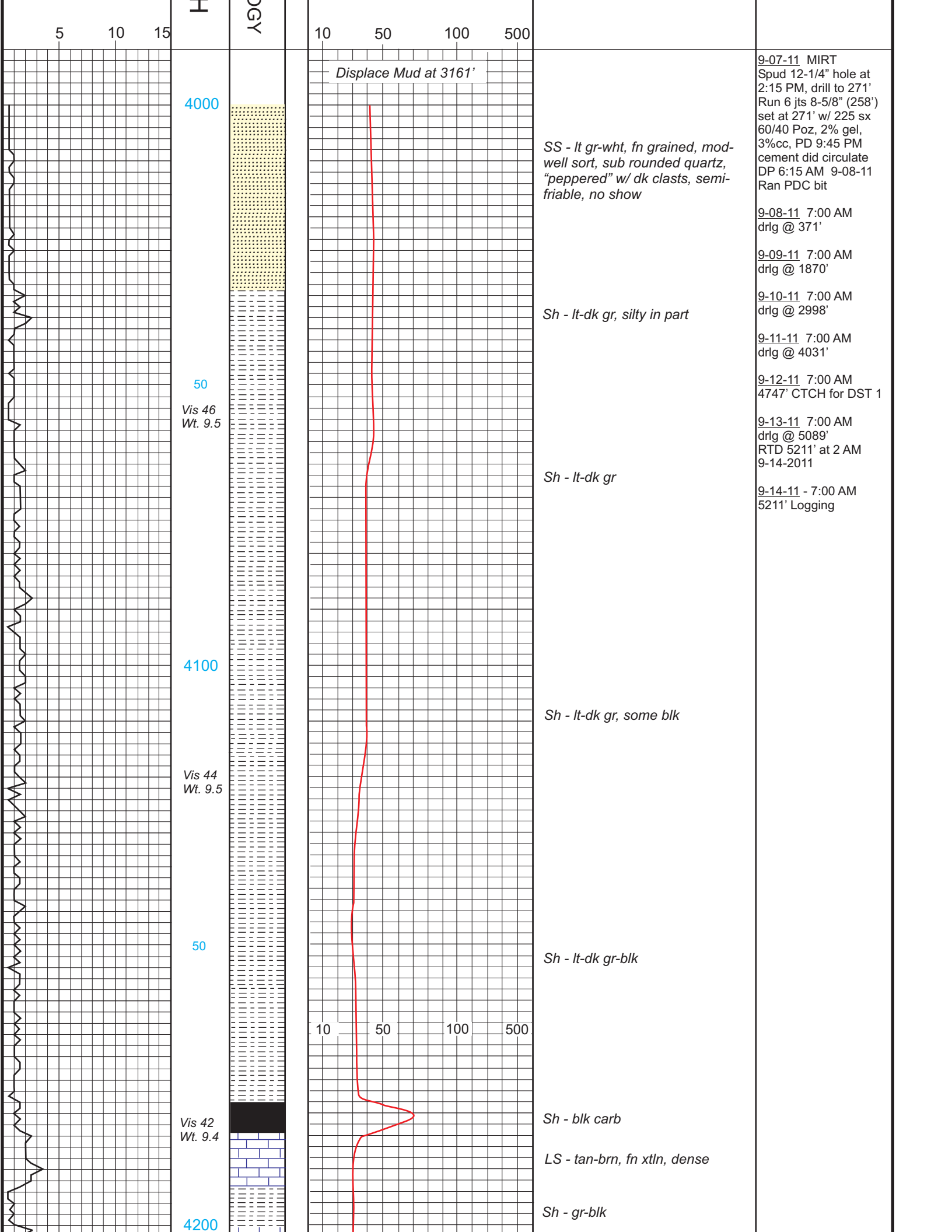
DEPTH

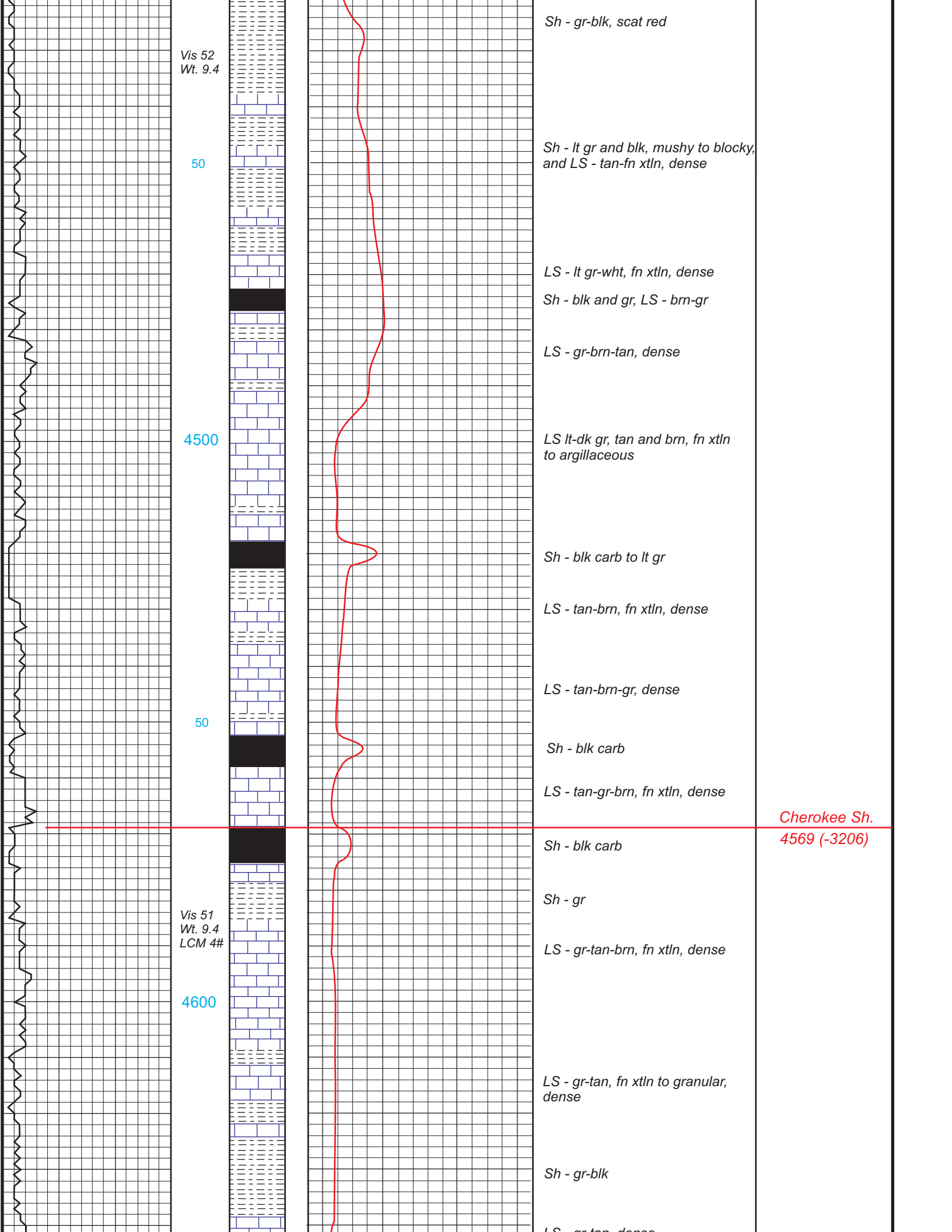
LITHOLOG

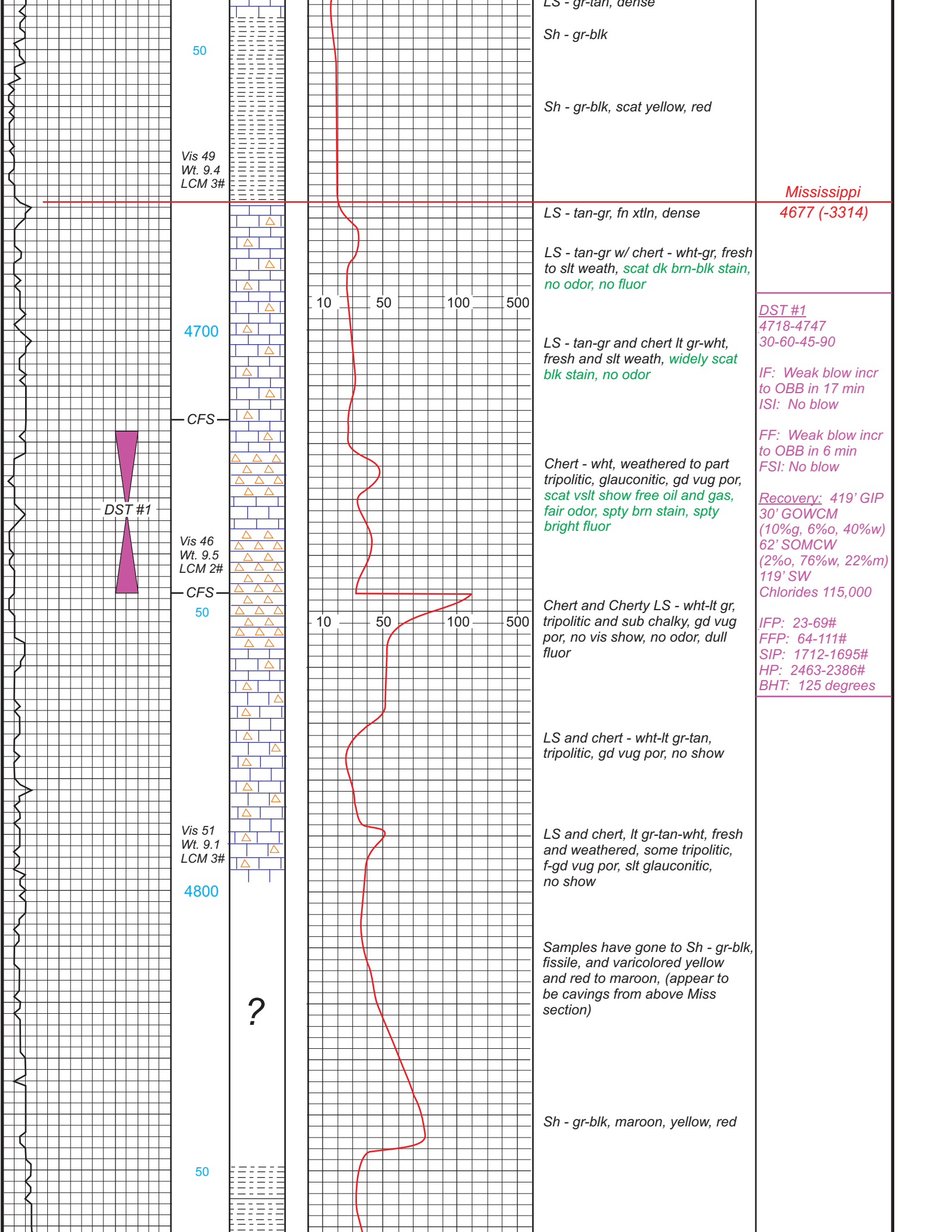
GAS SCALE

SAMPLE DESCRIPTION

REMARKS







50

Vis 49
Wt. 9.4
LCM 3#

LS - gr-tan, dense

Sh - gr-blk, scat yellow, red

Mississippi
4677 (-3314)

4700

CFS

DST #1

Vis 46
Wt. 9.5
LCM 2#

50

Vis 51
Wt. 9.1
LCM 3#

4800

?

10 50 100 500

10 50 100 500

LS - tan-gr, fn xtlr, dense

LS - tan-gr w/ chert - wht-gr, fresh to slt weath, scat dk brn-blk stain, no odor, no fluor

LS - tan-gr and chert lt gr-wht, fresh and slt weath, widely scat blk stain, no odor

Chert - wht, weathered to part tripolitic, glauconitic, gd vug por, scat vslt show free oil and gas, fair odor, spty brn stain, spty bright fluor

Chert and Cherty LS - wht-lt gr, tripolitic and sub chalky, gd vug por, no vis show, no odor, dull fluor

LS and chert - wht-lt gr-tan, tripolitic, gd vug por, no show

LS and chert, lt gr-tan-wht, fresh and weathered, some tripolitic, f-gd vug por, slt glauconitic, no show

Samples have gone to Sh - gr-blk, fissile, and varicolored yellow and red to maroon, (appear to be cavings from above Miss section)

Sh - gr-blk, maroon, yellow, red

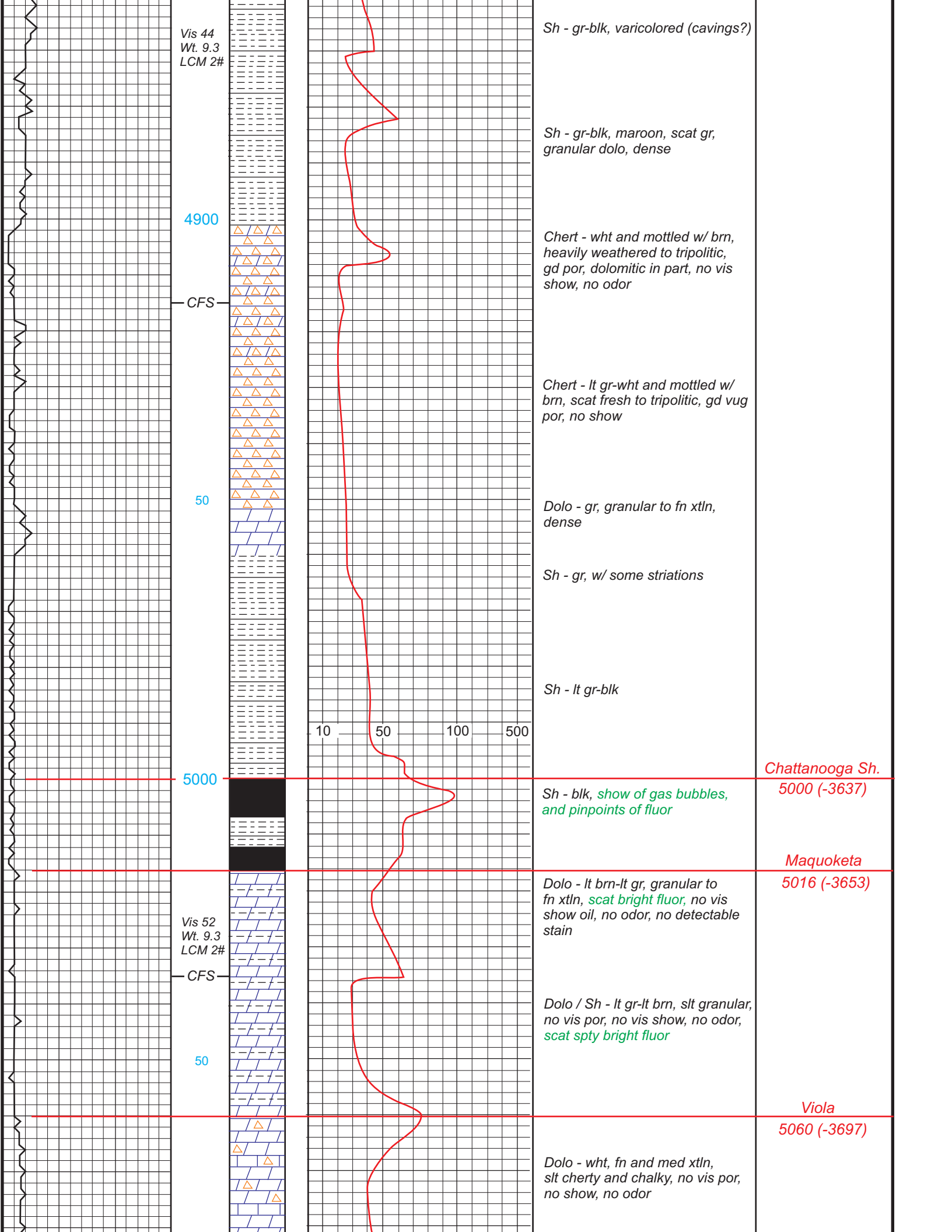
DST #1
4718-4747
30-60-45-90

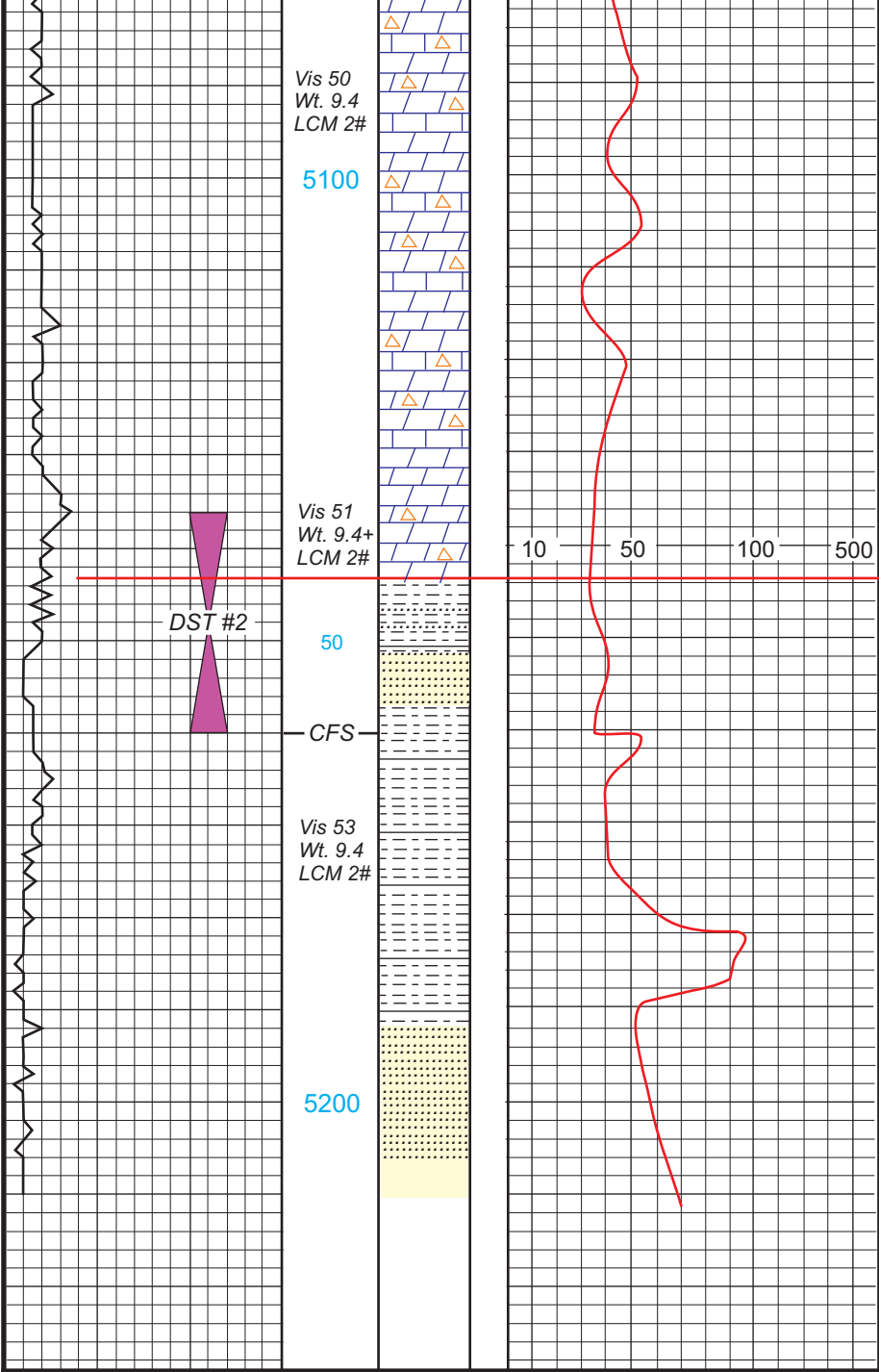
IF: Weak blow incr to OBB in 17 min
ISI: No blow

FF: Weak blow incr to OBB in 6 min
FSI: No blow

Recovery: 419' GIP
30' GOWCM (10%g, 6%o, 40%w)
62' SOMCW (2%o, 76%w, 22%w)
119' SW
Chlorides 115,000

IFP: 23-69#
FFP: 64-111#
SIP: 1712-1695#
HP: 2463-2386#
BHT: 125 degrees





Dolo - wht-lt gr, fn xtl to slt gran, chalky in part, no vis por, no show

Dolo - wht-lt gr, fn xtl and gran, dense, scat chert

Dolo - lt gr-wht, fn xtl, granular, gr-brn vitreous chert

Sh - blk-gr, scat green and SS - lt gr-wht-clear, fn grained, silty

SS - lt gr-wht-clear, fn grained, mod sort, sub round grains, silty in part, semi-friable to friable, scat bright fluor, scat slt show oil film, v faint odor, no detectable stain

Sh - lt gr-blk

SS - lt gr-clear, fn grained, mod sort, sub ang, very tightly cem, no vis por, no show

Simpson
5143 (-3780)

DST #2
5136-5160
30-60-30-30

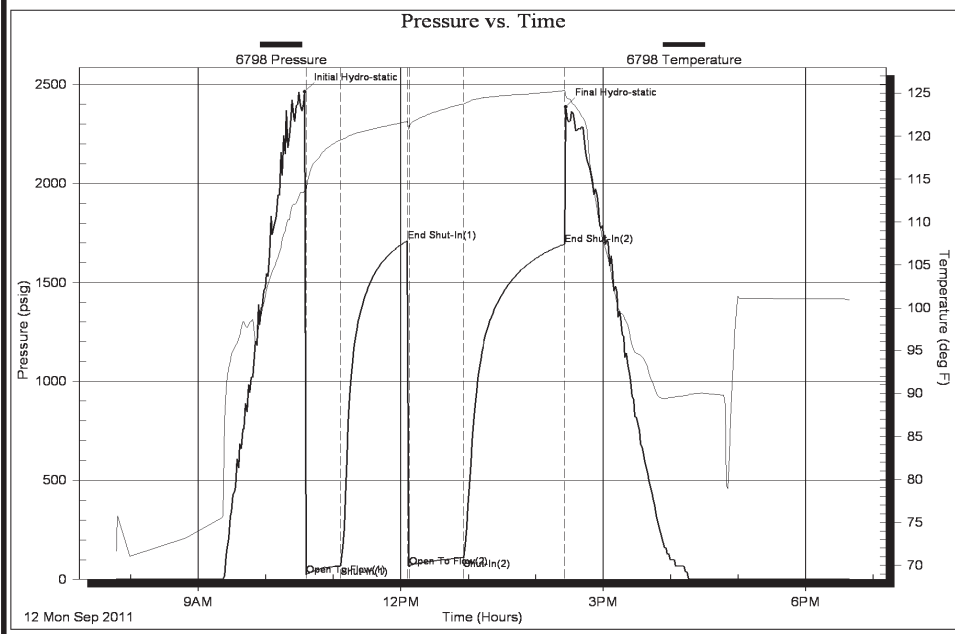
IF: Weak blow died in 7 min
ISI: No blow

FF: No blow
FSI: No blow

Recovery: 5' Mud

IFP: 15-19#
FFP: 15-19#
SIP: 70-45#
HP: 2667-2576#
BHT: 124 degrees

Serial #: 6798 Inside R & B Oil & Gas 22-34S-10W Barber DST Test Number: 1



DST #1
4718-4747
30-60-45-90

IF: Weak blow incr to OBB in 17 min
ISI: No blow

FF: Weak blow incr to OBB in 6 min
FSI: No blow

Recovery: 419' GIP
30' GOWCM (10%g, 6%o, 40%w)
62' SOMCW (2%o, 76%w, 22%m)
119' SW
Chlorides 115,000

IFP: 23-69#
FFP: 64-111#
SIP: 1712-1695#
HP: 2463-2386#

