



KANSAS CORPORATION COMMISSION 1094909  
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: \_\_\_\_\_



1094909

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> <input type="checkbox"/> Other <i>(Specify)</i> _____ <i>(Submit ACO-4)</i>	PRODUCTION INTERVAL: _____ _____
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# ALLIED OIL & GAS SERVICES, LLC 053804

Federal Tax I.D.# 20-5975804

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

SERVICE POINT:  
*Andisie Lodge KS*

DATE <i>05/16/2012</i>	SEC. <i>10</i>	TWP. <i>34s</i>	RANGE <i>11w</i>	CALLED OUT	ON LOCATION	JOB START	JOB FINISH <i>7:30 PM</i>
LEASE <i>MRP</i>	WELL# <i>6</i>	LOCATION <i>281, Bethel, Carline, Bethel, Scott Canyon, Westacross cattle guard, North into</i>			COUNTY <i>Barber</i>	STATE <i>KS</i>	
OLD OR NEW (Circle one)							

CONTRACTOR *Hardt*  
 TYPE OF JOB *Surface*  
 HOLE SIZE *12 1/4* T.D. *254*  
 CASING SIZE *8 1/2* DEPTH *259*  
 TUBING SIZE DEPTH  
 DRILL PIPE DEPTH  
 TOOL DEPTH  
 PRES. MAX *306* MINIMUM  
 MEAS. LINE SHOE JOINT  
 CEMENT LEFT IN CSG. *15*  
 PERFS.  
 DISPLACEMENT *15 1/2*

OWNER *N-10*  
 CEMENT  
 AMOUNT ORDERED *225 cu 60:40:2% Belt 3% cc*

**EQUIPMENT**

PUMP TRUCK CEMENTER *Jason Thirerch*  
*#471/302* HELPER *Derck Gibbons*  
 BULK TRUCK  
*#356/290* DRIVER *Brandon Boor*  
 BULK TRUCK  
 # DRIVER

COMMON Class A	<i>135sx @ 16.25</i>	<i>2193.75</i>
POZMIX	<i>90sx @ 8.50</i>	<i>765</i>
GEL	<i>4sx @ 21.25</i>	<i>85</i>
CHLORIDE	<i>8sx @ 58.20</i>	<i>465.60</i>
ASC	@	
	@	
	@	
	@	
	@	
	@	
	@	
HANDLING	<i>2.37 @ 2.25</i>	<i>533.25</i>
MILEAGE <i>237x 15 X.11</i>		<i>391.05</i>
<b>TOTAL</b>		<b><i>4433.65</i></b>

REMARKS:  
*Add circa cement.*

**SERVICE**

DEPTH OF JOB	<i>259</i>	
PUMP TRUCK CHARGE		<i>1125</i>
EXTRA FOOTAGE	@	
MILEAGE	<i>15 @ 7</i>	<i>105</i>
MANIFOLD	@	
<i>LV</i>	<i>15 @ 4</i>	<i>60</i>
	@	
<b>TOTAL</b>		<b><i>1290</i></b>

CHARGE TO: *N-10*  
 STREET \_\_\_\_\_  
 CITY \_\_\_\_\_ STATE \_\_\_\_\_ ZIP \_\_\_\_\_

**PLUG & FLOAT EQUIPMENT**

	@	
	@	
	@	
	@	
	@	
<b>TOTAL</b>		

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 *5723.65*  
 DISCOUNT \_\_\_\_\_ IF PAID IN 30 DAYS

PRINTED NAME *Scott Adelhardt*  
 SIGNATURE *Scott Adelhardt*

# ALLIED OIL & GAS SERVICES, LLC 053808

Federal Tax I.D.# 20-5975804

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

SERVICE POINT:  
*Medicine Lodge KS*

DATE <i>05/23/2012</i>	SEC. <i>10</i>	TWP. <i>34s</i>	RANGE <i>11w</i>	CALLED OUT	ON LOCATION	JOB START	JOB FINISH <i>8:30 PM</i>
LEASE <i>Medicine River Ranch 'D'</i>		WELL # <i>6</i>	LOCATION <i>281 + Gerlane, East to Bethel, South to Scott Canyon, West Across cattle Guard, North into</i>			COUNTY <i>Barber</i>	STATE <i>KS</i>
OLD OR (NEW) (Circle one)							

CONTRACTOR *Hardt* OWNER *N-10 Exploration*

TYPE OF JOB *Production*

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

CASING SIZE *5 1/2* DEPTH *5090.88* AMOUNT ORDERED *40sx 60:40:4% Gel + 4% SMS,*

TUBING SIZE DEPTH *150sx Class H + 10% salt + 5# Kalseal,*

DRILL PIPE DEPTH *500 gal ASF, 15 Gal Cla-Pro*

TOOL DEPTH

PRES. MAX *1200* MINIMUM

MEAS. LINE SHOE JOINT *42.56*

CEMENT LEFT IN CSG. *42.56*

PERFS.

DISPLACEMENT *1245 w/2% KCl water*

**EQUIPMENT**

PUMP TRUCK CEMENTER *Jesse Thiebach*

# *268/265* HELPER *Brett Gains*

BULK TRUCK

# *381/250* DRIVER *Troy Lenz*

BULK TRUCK

# *\_\_\_\_\_* DRIVER

**REMARKS:**

*Plug held*

*Thank You*

CHARGE TO: *N-10 Exploration*

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*

CEMENT

AMOUNT ORDERED *40sx 60:40:4% Gel + 4% SMS,*

*150sx Class H + 10% salt + 5# Kalseal,*

*500 gal ASF, 15 Gal Cla-Pro*

COMMON *Class A 24sx @ 16.25 390*

POZMIX *16sx @ 8.50 136*

GEL *2sx @ 21.25 42.50*

CHLORIDE *#4# @*

ASC @

Sodium Metasilicate *14lb @ 3.00 42*

Salt *8sx @ 23.95 191.60*

Kalseal *750lb @ .89 667.50*

ASF *500gal @ 1.27 635*

Cl-Pro *15gal @ 31.25 468.75*

Class H Common *150sx @ 19.25 2887.50*

@

@

HANDLING *218 @ 2.25 490.50*

MILEAGE *218 X 15 X .11 359.70*

TOTAL *6311.05*

**SERVICE**

DEPTH OF JOB *5090.88* ~~*5090.88*~~

PUMP TRUCK CHARGE *2695*

EXTRA FOOTAGE @

MILEAGE *15 @ 7 105*

MANIFOLD + Head @ *2.00*

LV *15 @ 4 60*

TOTAL *3060*

**PLUG & FLOAT EQUIPMENT**

*5 1/2*

Scratchers Equip. *8 @ 76 608*

Centralizers *7 @ 49 343*

Reg Guide Shoe *1 @ 240 240*

Rubber plug *1 @ 73 73*

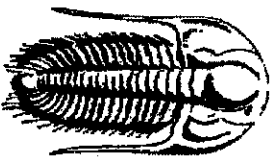
AFU Insert *1 @ 286 286*

TOTAL *1550*

SALES TAX (If Any) \_\_\_\_\_

TOTAL CHARGES *10 921.05*

DISCOUNT \_\_\_\_\_ IF PAID IN 30 DAYS



**TRILOBITE**  
**TESTING, INC.**

## DRILL STEM TEST REPORT

Prepared For: **N-10 Exploration LLC**

PO Box 195  
Attica KS 67009

ATTN: Randy Newberry

**10-34s-11w Barber,KS**

**Medicine River Ranch D #6**

Start Date: 2012.05.21 @ 21:50:58

End Date: 2012.05.22 @ 06:54:28

Job Ticket #: 44798      DST #: 1

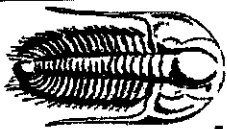
Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

# ORIGINAL

Printed: 2012.05.23 @ 13:24:24



**TRIBOLITE**  
**TESTING, INC**

**DRILL STEM TEST REPORT**

N-10 Exploration LLC

Medicine River Ranch D #6

PO Box 195  
Attica KS 67009

10-34s-11w Barber,KS

Job Ticket: 44798 DST#:1

ATTN: Randy Newberry

Test Start: 2012.05.21 @ 21:50:58

**GENERAL INFORMATION:**

Formation: **Meisner Sand** ft (KB)  
Deviated: No Whipstock:  
Time Tool Opened: 01:17:28  
Time Test Ended: 06:54:28

Test Type: Conventional Bottom Hole (Initial)  
Tester: Jeff Brown  
Unit No: 44

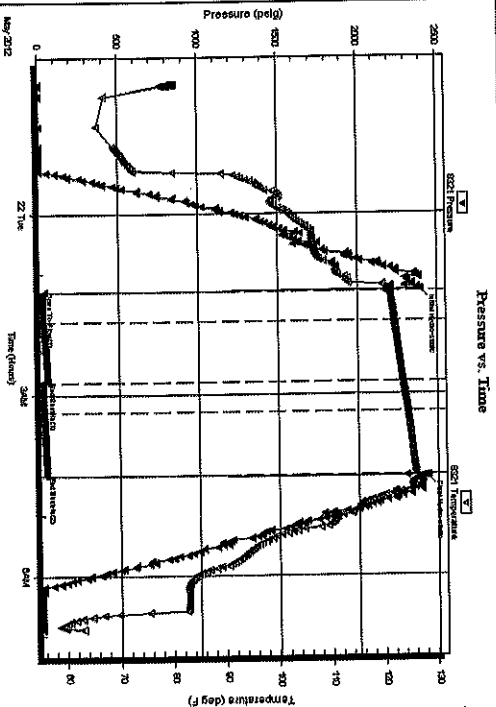
Interval: **4857.00 ft (KB) To 4882.00 ft (KB) (TVD)**  
Total Depth: **4882.00 ft (KB) (TVD)**  
Hole Diameter: **7.88** inchesHole Condition: Good

Reference Elevations: **1361.00 ft (KB)**  
**1351.00 ft (CF)**  
KB to GR/CF: **10.00 ft**

**Serial #: 8321** Inside  
Press@RunDepth: **22.66 psig @ 4860.00 ft (KB)**  
Start Date: **2012.05.21** End Date:  
Start Time: **21:50:59** End Time:

Capacity: **8000.00 psig**  
Last Callb.: **2012.05.22**  
Time On Btm: **2012.05.22 @ 01:16:58**  
Time Off Btm: **2012.05.22 @ 04:22:28**

**TEST COMMENT:** FFP-Weak blow built to 2 1/8 in  
ISL-Dead no blow back  
FFP-Weak blow built to 1/4 in  
FSI-Dead no blow back



**PRESSURE SUMMARY**

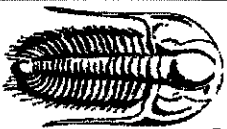
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2397.51	121.35	Initial Hydro-static
1	34.03	119.98	Open To Flow (1)
31	23.07	122.00	Shut-In(1)
91	49.92	123.55	Open Shut-In(1)
91	18.96	123.56	Open To Flow (2)
121	22.66	124.39	Shut-In(2)
184	41.81	125.90	End Shut-In(2)
186	2436.85	127.80	Final Hydro-static

**Recovery**

Length (ft)	Description	Volume (bbl)
5.00	Mud with oil spots	0.02

**Gas Rates**

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



**TRILOBITE**  
TESTING, INC.

**DRILL STEM TEST REPORT**

N-10 Exploration LLC

Medicine River Ranch D #6

PO Box 195  
Attica KS 67009

10-34s-11w Barber,KS

Job Ticket: 44798

DST #: 1

ATTN: Randy Newberry

Test Start: 2012.05.21 @ 21:50:58

**GENERAL INFORMATION:**

Formation: **Meisner Sand**  
 Deviated: **No** Whipstock: **ft (KB)**  
 Time Tool Opened: 01:17:28  
 Time Test Ended: 06:54:28

Test Type: **Conventional Bottom Hole (Initial)**  
 Tester: **Jeff Brown**  
 Unit No: **44**

Interval: **4857.00 ft (KB) To 4882.00 ft (KB) (TVD)**  
 Total Depth: **4882.00 ft (KB) (TVD)**  
 Hole Diameter: **7.88** InchesHole Condition: **Good**

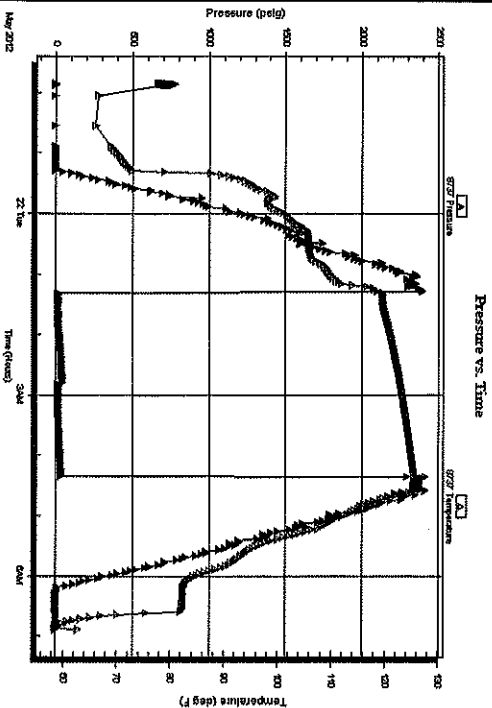
Reference Elevations: **1361.00 ft (KB)**  
**1351.00 ft (CF)**  
**KB to GR/CF: 10.00 ft**

**Serial #: 8737** **Outside**  
 Press@RunDepth: **psig @ 4860.00 ft (KB)**  
 Start Date: **2012.05.21** End Date: **2012.05.22**  
 Start Time: **21:50:52** End Time: **06:54:21**

Capacity: **8000.00 psig**  
 Last Call: **2012.05.22**  
 Time On Btm: **06:54:21**  
 Time Off Btm:

**TEST COMMENT:**

FFP-Weak blow built to 2 1/8 in  
 ISH-Dead no blow back  
 FFP-Weak blow built to 1/4 in  
 FSI-Dead no blow back



**PRESSURE SUMMARY**

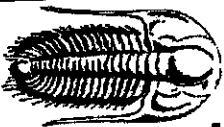
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation

**Recovery**

Length (ft)	Description	Volume (bbl)
5.00	Mud with oil spots	0.02

**Gas Rates**

Choke (Inches)	Pressure (psig)	Gas Rate (Mdd)



**TRILOBITE**  
**TESTING, INC**

**DRILL STEM TEST REPORT**

**TOOL DIAGRAM**

N-10 Exploration LLC

Medicine River Ranch D #6

PO Box 195  
Attica KS 67009

10-34s-11w Barber, KS

Job Ticket: 44798

DST#: 1

ATTN: Randy Newberry

Test Start: 2012.05.21 @ 21:50:58

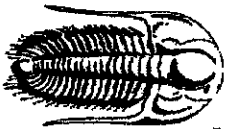
**Tool Information**

Drill Pipe:	Length: 4730.00 ft	Diameter:	3.80 inches	Volume:	66.35 bbl	Tool Weight:	2000.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter:	2.70 inches	Volume:	0.00 bbl	Weight set on Packer:	20000.00 lb
Drill Collar:	Length: 118.00 ft	Diameter:	2.25 inches	Volume:	0.58 bbl	Weight to Pull Loose:	90000.00 lb
				Total Volume:	66.93 bbl	Tool Chased	8.00 ft
Drill Pipe Above KB:	11.00 ft					String Weight: Initial	74000.00 lb
Depth to Top Packer:	4857.00 ft					Final	75000.00 lb
Depth to Bottom Packer:	ft						
Interval betw een Packers:	25.00 ft						
Tool Length:	45.00 ft						
Number of Packers:	2	Diameter:	6.75 inches				

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			4838.00	
Shut In Tool	5.00			4843.00	
Hydraulic tool	5.00			4848.00	
Packer	4.00			4852.00	20.00
					Bottom Of Top Packer
Packer	5.00			4857.00	
Stubb	1.00			4858.00	
Perforations	2.00			4860.00	
Recorder	0.00	8321	Inside	4860.00	
Recorder	0.00	8737	Outside	4860.00	
Perforations	19.00			4879.00	
Bullnose	3.00			4882.00	25.00
					Bottom Packers & Anchor
<b>Total Tool Length:</b>				<b>45.00</b>	





**TRILLOBITE**  
**TESTING, INC**

**DRILL STEM TEST REPORT**

**FLUID SUMMARY**

N-10 Exploration LLC

Medicine River Ranch D #6

PO Box 195  
Atica KS 67009

**10-34s-11w Barber, KS**

ATTN: Randy New berry

Job Ticket: 44798

DST#: 1

Test Start: 2012.05.21 @ 21:50:58

**Mud and Cushion Information**

Mud Type: Gel Chem	Cushion Type:	Oil API:	deg API
Mud Weight: 9.00 lb/gal	Cushion Length:	Water Salinity:	ppm
Viscosity: 50.00 sec/qt	Cushion Volume:		
Water Loss: 11.18 in <sup>3</sup>	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure:		psig
Salinity: 3000.00 ppm			
Filter Cake: Inches			

**Recovery Information**

Recovery Table

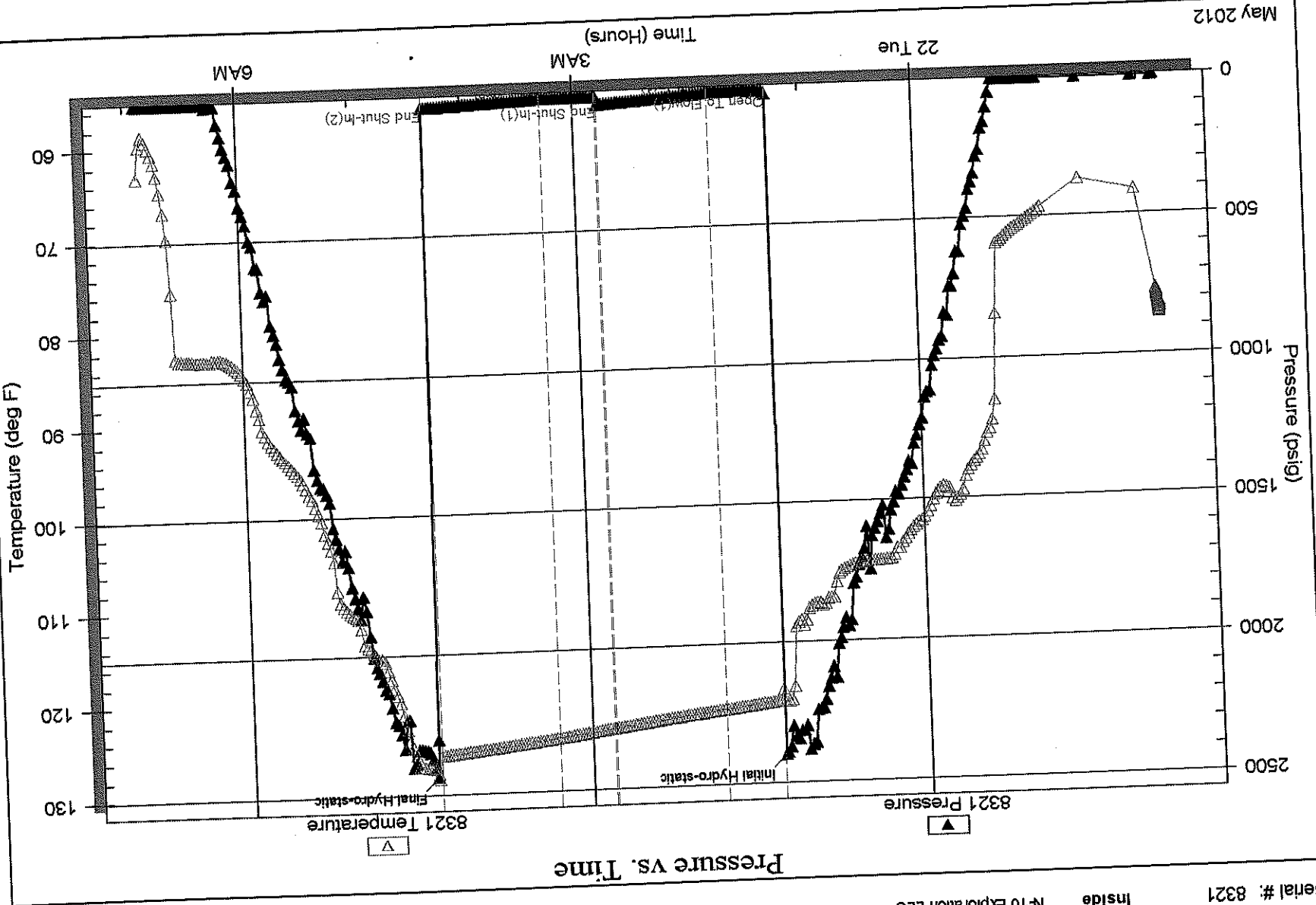
Length ft	Description	Volume bbl
5.00	Mud w 5th oil spots	0.025

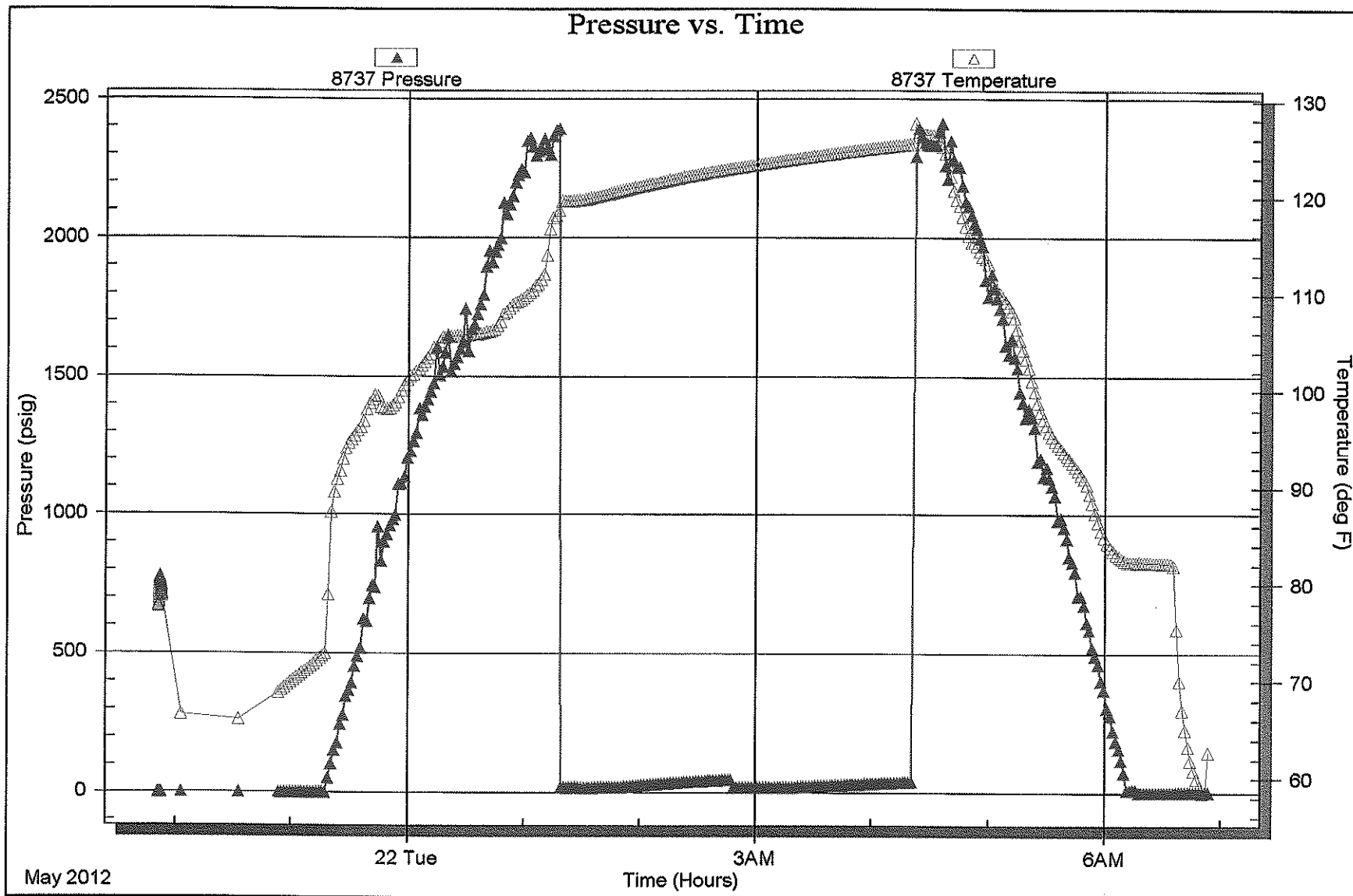
Total Length: 5.00 ft      Total Volume: 0.025 bbl

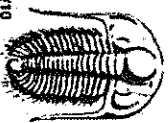
Num Fluid Samples: 0      Num Gas Bombs: 0      Serial #:

Laboratory Name:      Laboratory Location:

Recovery Comments:







**TRILOBITE**  
**TESTING INC.**

P.O. Box 1733 • Hays, Kansas 67601

**Test Ticket**  
NO. 44798

Well Name & No. Medicine River Ranch D-40 Test No. 1 Date 5-21-12  
 Company N-ID EXPLORATION LLC Elevation 1360 KB 1351 GL  
 Address PO Box 195 ATTICA KS 67209  
 Co. Rep / Geo. Tim Pierce Rig Handt Drilling #1  
 Location: Sec. 10 Twp. 34 S Rge. 11W Co. Barber State KS

Interval Tested 4857-4882 Zone Tested Melissner SAND  
 Anchor Length 25 Drill Pipe Run 4730 Mud Wt. 9.4  
 Top Packer Depth 4852 Drill Collars Run 118 Vis 50  
 Bottom Packer Depth 4857 Wt. Pipe Run 0 WL 11.2  
 Total Depth 4882 Chlorides 3000 ppm System LCM 3#  
 Blow Description SP-Week Blow Built to 2 Y3 IN

ISE-Dead No Blow Back  
PP-Week Blow Built to Y4 IN  
1st-Dead No Blow Back

Rec	Feet of	%gas	%oil	%water	%mud
Rec <u>5</u>	Feet of <u>Mud with oil SPITS</u>				
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud

Rec Total 5 BHT 120 Gravity  Test 1250 API RW @ ° F Chlorides ppm  
 (A) Initial Hydrostatic 2398  
 (B) First Initial Flow 34  Jars  
 (C) First Final Flow 23  Safety Joint  
 (D) Initial Shut-In 50  Circ Sub  
 (E) Second Initial Flow 19  Hourly Standby  
 (F) Second Final Flow 23  Mileage 330 RT 102RT 158.10  
 (G) Final Shut-In 42  Sampler  
 (H) Final Hydrostatic 2437  Straddle

Comments Stayed IN Medicine Well  
 158.10 pu tools

Initial Open 30  Shale Packer  
 Initial Shut-In 60  Extra Packer  
 Final Flow 30  Extra Recorder  
 Final Shut-In 60  Day Standby  
 Accessibility  
 Sub Total 1408.10  Ruined Shale Packer  
 Ruined Packer  
 Extra Copies  
 Total 1566.20 MP/DST Disc't

Approved By Jeff Brown Our Representative  
 TriLOBITE Testing Inc. shall not be liable for damaged or personal of any kind of the property or personnel of the one for whom a test is made, or for any loss suffered or sustained, directly or indirectly, through the use of its equipment, or its statements or opinion concerning the results of any test, tools lost or damaged in the hole shall be paid for at cost by the party for whom the test is made.

# Timothy G. Pierce

## Petroleum Geologist

### GEOLOGIST'S REPORT DRILLING TIME AND SAMPLE LOG

COMPANY N-10 Exploration, LLC  
 LEASE Medicine River Ranch 'D' #6  
 FIELD Landis  
 LOCATION 1610' FSL & 1400' FEL  
 SEC 10 TWP 34S RGE 11W  
 COUNTY Barber STATE Kansas  
 CONTRACTOR Hardt Drilling Rig #1  
 SPUD 5-16-2012 COMP 5-23-2012  
 RTD 5100 LTD 5103  
 MUD UP 2966 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 4171' to RTD  
 GEOLOGIST ON WELL Tim Pierce

#### ELEVATIONS

KB 1361'  
 DF \_\_\_\_\_  
 GL 1351'  
 Measurements Are All From Kelly Bushing

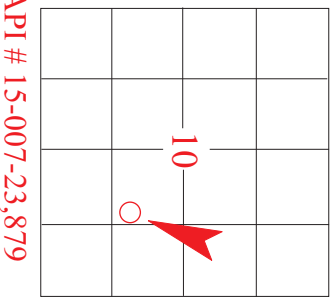
#### CASING

CONDUCTOR \_\_\_\_\_  
 SURFACE 8-5/8" at 257'  
 PRODUCTION 5-1/2" at 5089'

#### ELECTRICAL SURVEYS

DIL / CN-CD  
Log-Tech

FORMATION TOPS	ELECTRIC LOG	SAMPLE
Heebner Sh.	3616 (-2255)	NA
Stark Sh.	4300 (-2939)	4296 (-2935)
Cherokee Sh.	4520 (-3159)	4518 (-3157)
Mississippi	4578 (-3217)	4556 (-3195)
Kinderhook Sh.	4758 (-3397)	4756 (-3395)
Chattanooga Sh.	4842 (-3481)	4842 (-3481)
Viola	4894 (-3533)	4896 (-3535)
Simpson	4988 (-3627)	4986 (-3625)



**REMARKS** The ground level elevation was changed from the surveyed elevation due to leveling of location

Samples and electric logs indicate a productive zone in the Mississippi from 4586'-4652'.

Samples indicated a show in the Meisner sand which was evaluated by DST #1

A sample show was observed in the Chattanooga Sh. From 4842'-4861'

A gas kick was registered in the Pawnee LS from 4488'-4491', samples indicated porosity but there was no visible show of oil or gas.


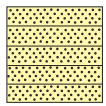
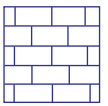
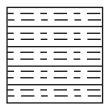

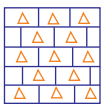

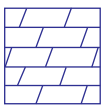
Electric logs indicate this to be a possible productive zone, this should be evaluated before abandonment.


A slight show of gas was observed in the Hushpuckney shale from 4330'-4336'.

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

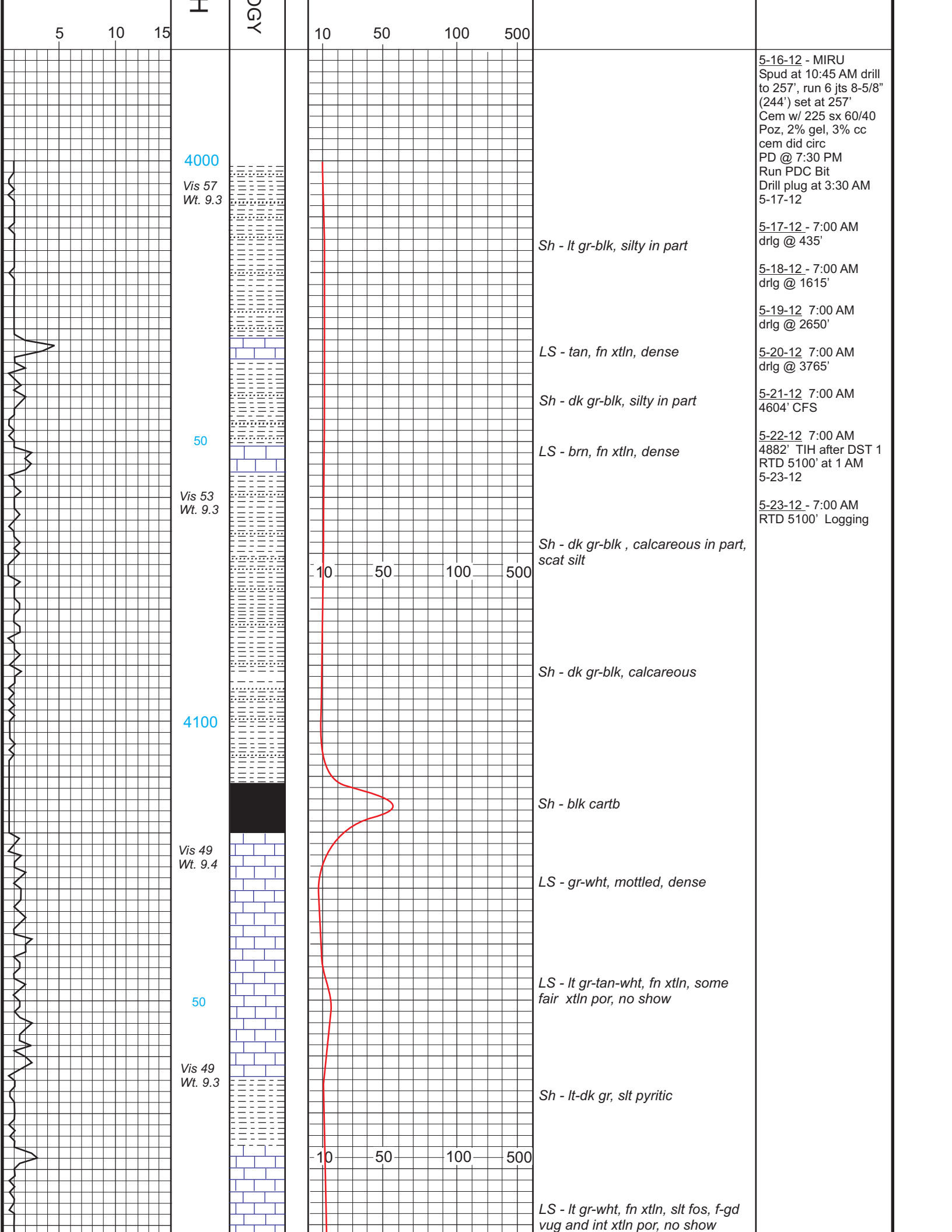
Timothy G. Pierce

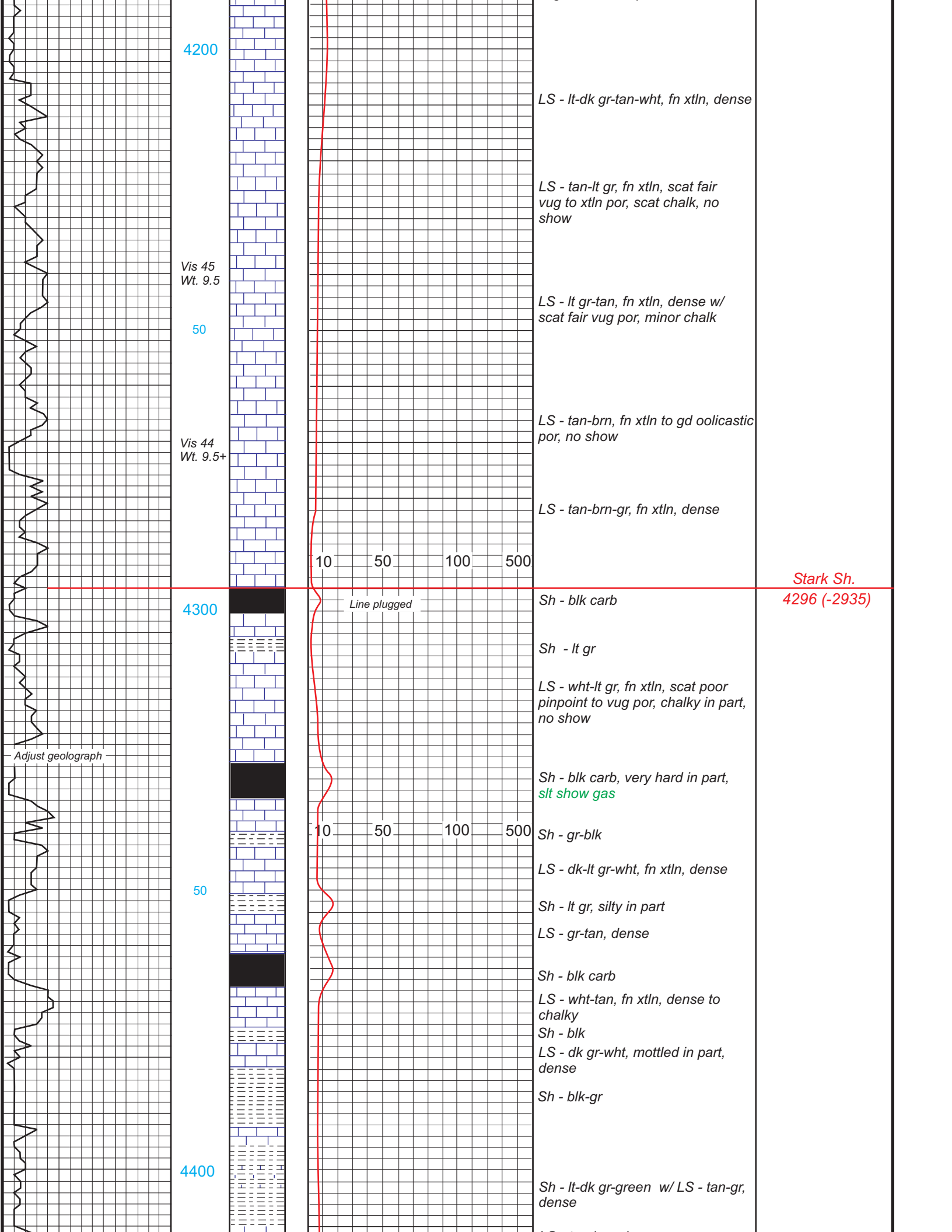
### LEGEND

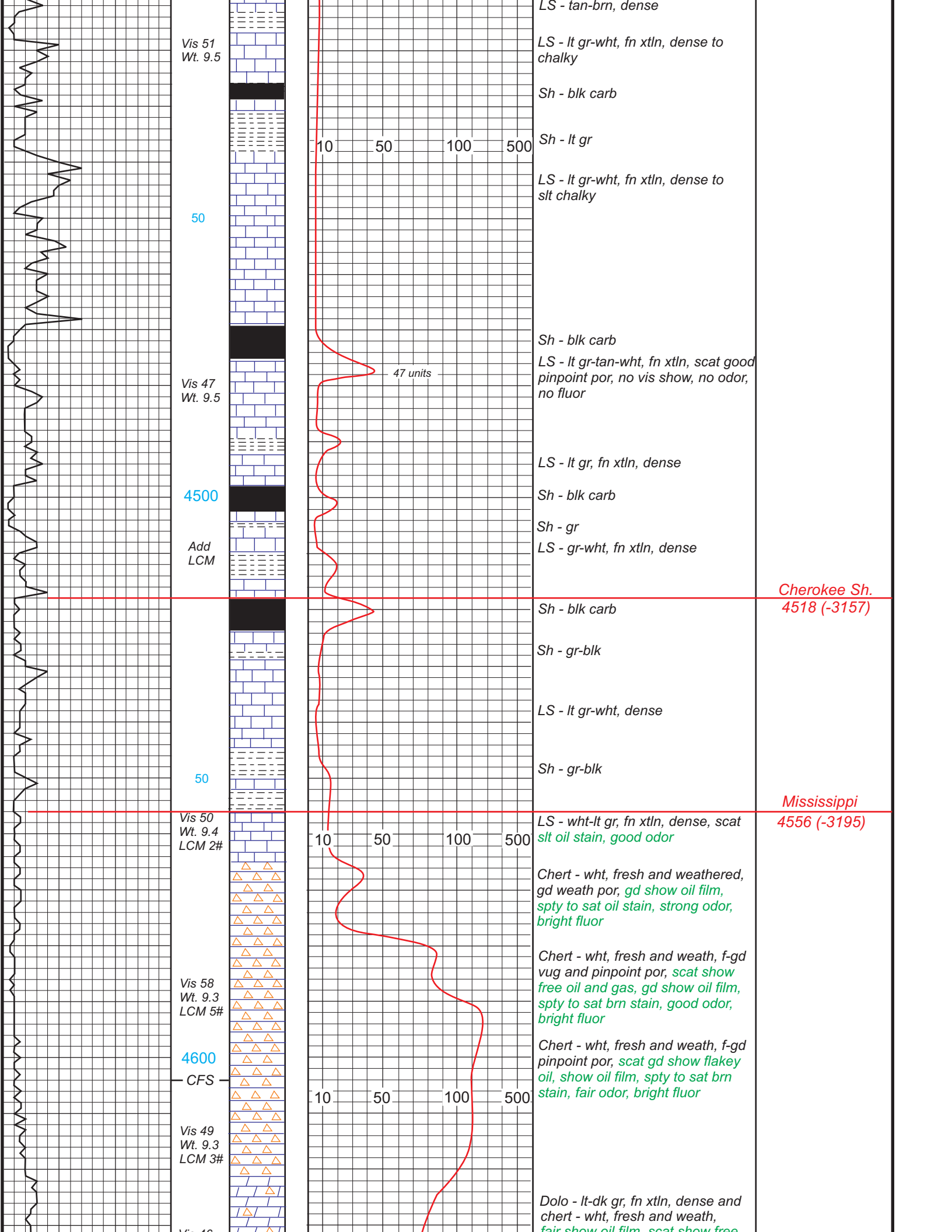
							
Anhydrite	Sandstone	Limestone	Shale	Carb Sh	Cherty LS	Chert	Dolomite

DRILLING TIME IN MINUTES PER FOOT Rate of Penetration Decreases 	DEPTH	LITHOLOG	GAS SCALE	SAMPLE DESCRIPTION	REMARKS
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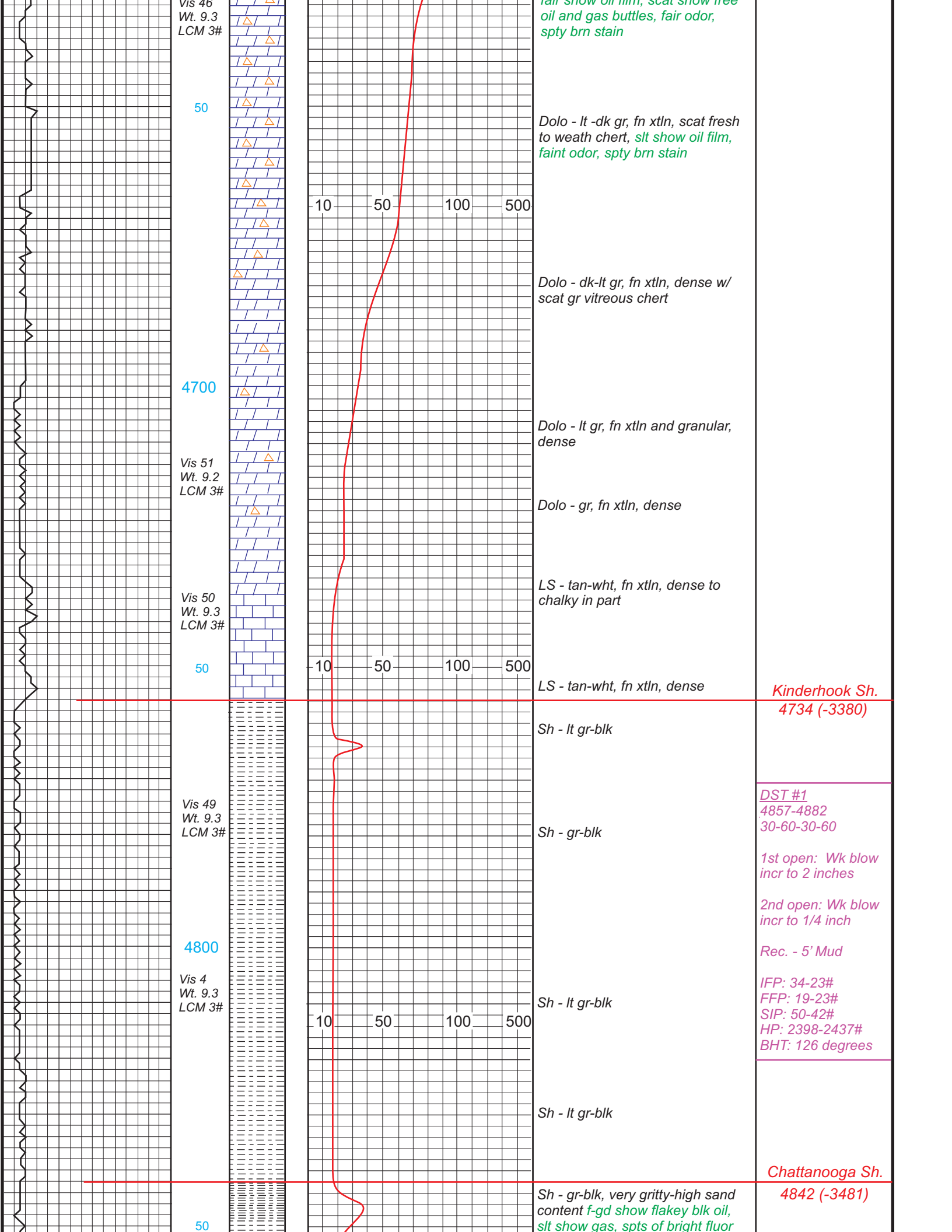
DRILLING TIME IN MINUTES PER FOOT  
Rate of Penetration Decreases  
→

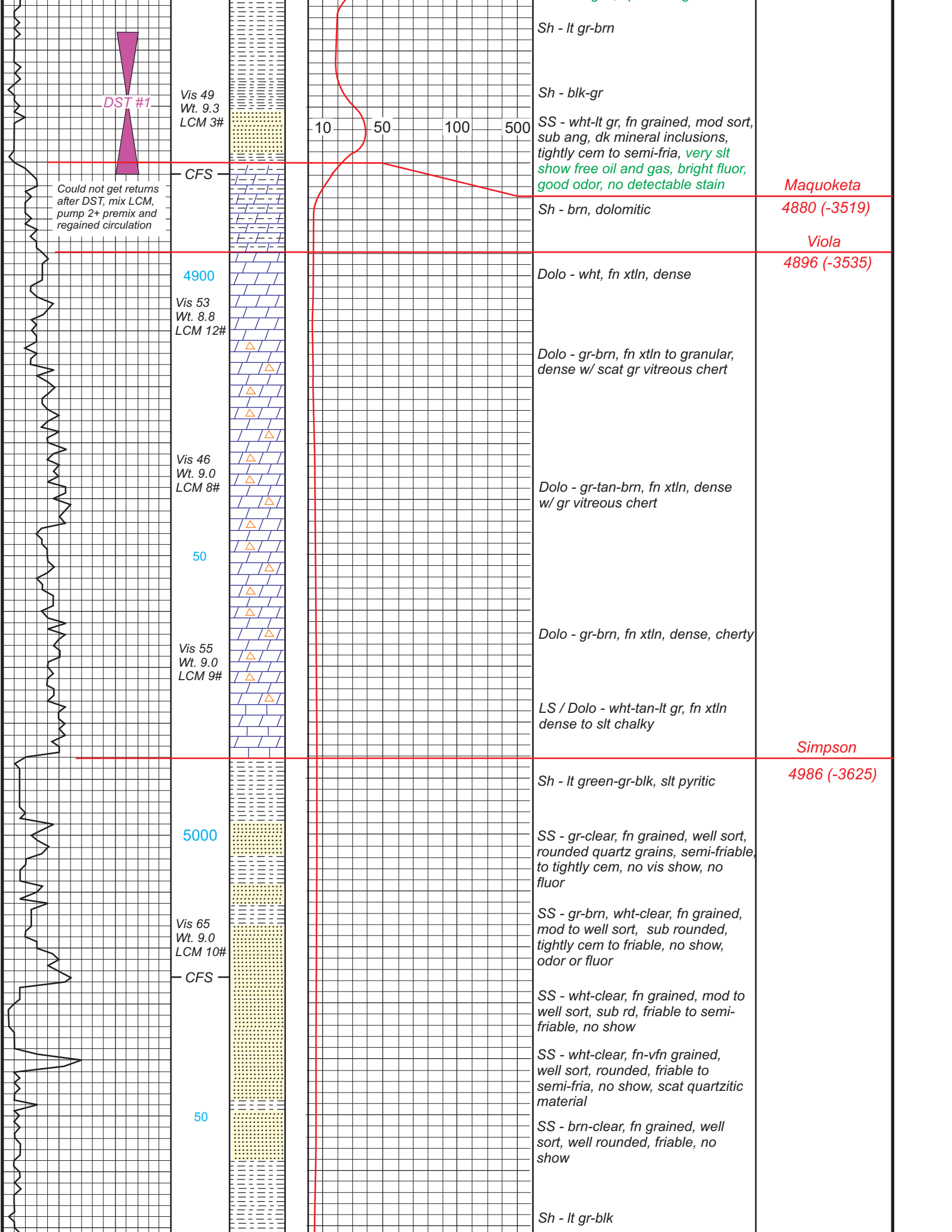












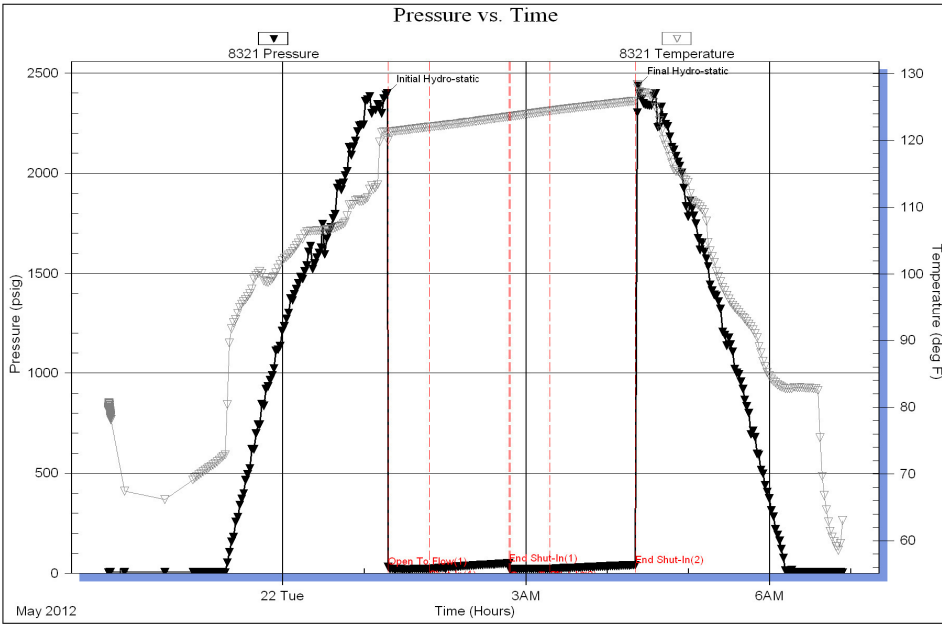
Vis 69  
Wt. 9.0  
LCM 9#

5100

Sh - lt gr-blk

RTD 5100'

Serial #: 8321    Inside    N-10 Exploration LLC    Medicine River Ranch    DST Test Number: 1



DST #1  
4857-4882  
30-60-30-60

1st open: Wk blow  
incr to 2 inches

2nd open: Wk blow  
incr to 1/4 inch

Rec. - 5' Mud

IFP: 34-23#  
FFP: 19-23#  
SIP: 50-42#  
HP: 2398-2437#  
BHT: 126 degrees

