



KANSAS CORPORATION COMMISSION 1072055
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 # 34352
Name: N-10 Exploration, LLC
Address 1: 124 N MAIN
Address 2: PO BOX 195
City: ATTICA State: KS Zip: 67009 +
Contact Person: Randy Newberry
Phone: (620) 254-7251
CONTRACTOR: License # 33902
Name: Hardt Drilling LLC
Wellsite Geologist: Tim Pierce
Purchaser: _____

Designate Type of Completion:

- New Well Re-Entry Workover
- Oil WSW SWD SLOW
- 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 #: _____

<u>9/27/2011</u>	<u>10/5/2011</u>	<u>10/26/2011</u>
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

API No. 15 - 15-007-23763-00-00

Spot Description: _____

SW NE SE Sec. 15 Twp. 34 S. R. 11 East West
1650 Feet from North / South Line of Section
990 Feet from East / West Line of Section

Footages Calculated from Nearest Outside Section Corner:

- NE NW SE SW

County: Barber

Lease Name: Medicine River Ranch Well #: B 8

Field Name: Landis

Producing Formation: Mississippi

Elevation: Ground: 1354 Kelly Bushing: 1364

Total Depth: 5067 Plug Back Total Depth: 5034

Amount of Surface Pipe Set and Cemented at: 269 Feet

Multiple Stage Cementing Collar Used? Yes No

If yes, show depth set: 3339 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: 5000 ppm Fluid volume: 0 bbls

Dewatering method used: Evaporated

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: Deanna Gambor Date: 01/24/2012



1072055

Operator Name: N-10 Exploration, LLC Lease Name: Medicine River Ranch Well #: B 8
 Sec. 15 Twp. 34 S. R. 11 East West County: Barber

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 checked="" type="checkbox"/> Yes <input type="checkbox"/> No <i>(Attach Additional Sheets)</i> Samples Sent to Geological Survey <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Cores Taken <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Electric Log Run <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Electric Log Submitted Electronically <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <i>(If no, Submit Copy)</i> List All E. Logs Run: Dual Compensated Porosity Dual Induction Sonic Cement Bond	<input checked="" type="checkbox"/> Log Formation (Top), Depth and Datum <input type="checkbox"/> Sample <table style="width:100%; border-collapse: collapse;"> <tr> <td style="width:60%;">Name</td> <td style="width:20%;">Top</td> <td style="width:20%;">Datum</td> </tr> <tr> <td>Mississippi</td> <td>4609</td> <td>(-3245)</td> </tr> </table>	Name	Top	Datum	Mississippi	4609	(-3245)
Name	Top	Datum					
Mississippi	4609	(-3245)					

CASING RECORD <input checked="" 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
Surface	12.25	8.625	24	271	60:40 POZ	225	2% Gel 3% CC
Production	7.875	5.5	14	5066	Class H	150	10% Salt 5# Kolseal

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 (Amount and Kind of Material Used)	Depth
2	4616 - 4690	3850 Gal 15% HCL Acid	
		Frac 2647sx 30/70 Sand	
		400 sx 16/30 Sand	
		210 sx 16/30 Resin Coated Sand	

TUBING RECORD: Size: <u>2.875</u> Set At: <u>4774</u> Packer At: <u> </u>		Liner Run: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
Date of First, Resumed Production, SWD or ENHR. <u>10/29/2011</u>		Producing Method: <input type="checkbox"/> Flowing <input checked="" type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other (Explain) <u> </u>	
Estimated Production Per 24 Hours	Oil Bbls. <u>30</u>	Gas Mcf <u>150</u>	Water Bbls. <u>250</u> Gas-Oil Ratio <u>51</u> Gravity <u>29</u>

DISPOSITION OF GAS: <input type="checkbox"/> Vented <input checked="" 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 checked="" 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) <u> </u>	PRODUCTION INTERVAL: <u>4616 - 4690</u>
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ALLIED CEMENTING CO., LLC. 040267

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

SERVICE POINT: Medicine Ridge

DATE <u>9-26-11</u>	SEC. <u>15</u>	TWP. <u>34S</u>	RANGE <u>11W</u>	9-27	9-28	ON LOCATION <u>12:00pm</u>	JOB START <u>12:45pm</u>	JOB FINISH <u>1:15AM</u>
DEAD END <u>River</u>	LEASE <u>Russell Well # 8</u>			LOCATION <u>281 & Gorkin Rd, Box 10</u>		COUNTY <u>Osborne</u>	STATE <u>Ks</u>	
OLD OR (NEW) (Circle one)				Boyer Rd, S Warsaw Rd, W York, Mo		Newark & E Hwy		

CONTRACTOR Hordt #1
 TYPE OF JOB Surface
 HOLE SIZE 12 1/4 TD. 269
 CASING SIZE 8 5/8 DEPTH 271
 TUBING SIZE _____ DEPTH _____
 DRILL PIPE _____ DEPTH _____
 TOOL _____ DEPTH _____
 PRES. MAX _____ MINIMUM _____
 MEAS. LINE _____ SHOE JOINT _____
 CEMENT LEFT IN CSG. 20'
 PERFS. _____
 DISPLACEMENT 16 bbls of fresh water

OWNER N-10 Exploration
 CEMENT AMOUNT ORDERED 225ss + 60' 40' 20% Gel + 3% cc
 COMMON A 135 @ 16.25 2193.75
 POZMIX 90 @ 8.50 765.00
 GEL 4 @ 21.25 85.00
 CHLORIDE 8 @ 58.25 465.60
 ASC _____ @ _____
 _____ @ _____
 _____ @ _____
 _____ @ _____
 _____ @ _____
 _____ @ _____
 HANDLING 237 @ 2.25 533.25
 MILEAGE 13/237/11 391.05
 TOTAL 4433.65

EQUIPMENT
 PUMP TRUCK CEMENTER Don E
 # 414-302 HELPER Ron G.
 BULK TRUCK
 # 363-290 DRIVER Matt T.
 BULK TRUCK
 # _____ DRIVER _____

REMARKS:
Pipe on bottom & break circulation
pump 3 bbls fresh water & head mix
225ss of cement, displace 16 bbls
of fresh water, shut in, cement did
circulate

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

SERVICE
 DEPTH OF JOB 271'
 PUMP TRUCK CHARGE 1125.00
 EXTRA FOOTAGE _____ @ _____
 MILEAGE 30 @ 7.00 210.00
 MANIFOLD Stokes & Duvine @ _____
Light Vehicle 30 @ 400 120.00
 _____ @ _____
 TOTAL 1455.00

PLUG & FLOAT EQUIPMENT
 _____ @ _____
 _____ @ _____
 _____ @ _____
 _____ @ _____
 _____ @ _____
 TOTAL _____

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.

SALES TAX (if Any) _____
 TOTAL CHARGES 5888.65
 DISCOUNT 20% IF PAID IN 30 DAYS
Net 4710.92

PRINTED NAME X
 SIGNATURE [Signature]
 Thank you!!!

ALLIED CEMENTING CO., LLC. 040270

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

SERVICE POINT:
Medicine Lodge, KS

DATE <u>10-5-2011</u>	SEC <u>15</u>	TWP <u>34s</u>	RANGE <u>11W</u>	CALLED OUT <u>8:00 AM</u>	ON LOCATION <u>12:30 PM</u>	JOB START <u>6:00 PM</u>	JOB FINISH <u>6:45 PM</u>
LEASE <u>Recon B/WBLU-8</u>			LOCATION <u>Cerwin & Bethel Rd, South</u>	COUNTY <u>Barber</u>	STATE <u>KS</u>		
OLD OR <u>NEW</u> (Circle one)			to Angus Rd, W to V, North to K, N & E 110				

CONTRACTOR Hort #1
 TYPE OF JOB Production
 HOLE SIZE 7 7/8 T.D. 5061'
 CASING SIZE 5 1/2 - 14 # DEPTH 5027'
 TUBING SIZE _____ DEPTH _____
 DRILL PIPE _____ DEPTH _____
 TOOL _____ DEPTH _____
 PRES. MAX _____ MINIMUM _____
 MEAS. LINE _____ SHOE JOINT 31'
 CEMENT LEFT IN CSG. _____
 PERFS. _____
 DISPLACEMENT 2 1/2% KLT wear
 EQUIPMENT
 PUMP TRUCK CEMENTER Darin E
 # 360-265 HELPER Tyson T
 BULK TRUCK
 # 363-290 DRIVER Kevin W.
 BULK TRUCK
 # _____ DRIVER _____

OWNER N-10 Exploration
 CEMENT
 AMOUNT ORDERED 405x 60.44: 406.14: 406.14: 406.14
150sx Class # 7 10% salt & 5# Koles
 COMMON 24 sx @ 16.25 390.00
 POZMIX 16 sx @ 8.50 136.00
 GEL 2 sx @ 21.25 42.50
 CHLORIDE _____ @ _____
 ASC _____ @ _____
H 150 sx @ 19.25 2887.50
salt 15 sx @ 12.00 180.00
Kolesal 750 # @ .89 667.50
ASF 500 Gals @ 1.27 635.00
Clayor 15 Gal @ 31.25 468.75
 _____ @ _____
 _____ @ _____
 _____ @ _____
 HANDLING 222 @ 2.25 499.50
 MILBAGE 222/11/15 366.30
 TOTAL 4433.65

REMARKS:
Pipe on bottom & break circulator pump
20 bbls water, 2% salt, 3 bbls water, 500 gal
mul clean, 3 bbls water, mix 150# Br. Right
mix 255# of Sequencer Cement, mix 150#
of 10:1 Cement, shut down, wash pump lines
Release plug, start displacement, lift pressure
9+100 bbls, slow rate to 30m @ 115 bbls, bump
plug @ 124 bbls @ 1300 psi, plug & discharge

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

SERVICE
 DEPTH OF JOB 5027'
 PUMP TRUCK CHARGE 2405.00
 EXTRA FOOTAGE @ _____
 MILBAGE 30 @ 200 210.00
 MANIFOLD Hess center @ _____ 200.00
light vehicle @ 4.00 120.00
 _____ @ _____
 TOTAL 2935.00

PLUG & FLOAT EQUIPMENT
5 1/2
 1- Rubber plug @ _____ 66.00
 1- Guide shoe @ _____ 100.00
 1- AFV Engine @ _____ 112.00
 1- Post collar @ _____ 2485.00
 10- Cementizers @ 22.20 322.00
 10- Scrapers @ 23.94 239.40
 TOTAL 3325.20

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 x TIM PIERCE
 SIGNATURE x Tim Pierce

SALBS TAX (If Any) _____
 TOTAL CHARGES 10,693.85
 DISCOUNT 20% IF PAID IN 30 DAYS
Net 8555.08

Thank you!!!

ALLIED CEMENTING CO., LLC. 037292

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

SERVICE POINT
Medicine Lodge, KS

DATE <u>10-18-11</u>	SEC. <u>15</u>	TWP. <u>34S</u>	RANGE <u>11W</u>	CALLED OUT	ON LOCATION	JOB START <u>100 PM</u>	JOB FINISH <u>200 PM</u>
LEASE <u>Medicine Lodge</u>	WELL# <u>8</u>	LOCATION <u>Garland & Bethel RD</u>			COUNTY <u>Barton</u>	STATE <u>KS</u>	
OLD OR (NEW) (Circle one)				<u>South To Angus west To North To West To North and East To</u>			

CONTRACTOR Shawnee

TYPE OF JOB Pond Coffer

HOLE SIZE _____ T.D. _____

CASING SIZE 5 1/2 DEPTH _____

TUBING SIZE 2 3/4 DEPTH 3351

DRILL PIPE _____ DEPTH _____

TOOL Pond coffer DEPTH 3339

FRES. MAX _____ MINIMUM _____

MEAS. LINE _____ SHOE JOINT _____

CEMENT LEFT IN CSO. _____

PERFS. _____

DISPLACEMENT 18 3/4 BBW

EQUIPMENT _____

OWNER N-10 Exploration

CEMENT AMOUNT ORDERED 150 Sacks Class A

+ 10% Salt + 2% Gel

500 Gallon ASF

COMMON	<u>150 sacks A</u>	@	<u>16.25</u>	<u>2437.50</u>
POZMIX		@		
GEL	<u>3 sacks</u>	@	<u>21.25</u>	<u>63.75</u>
CHLORIDE		@		
ASC		@		
Salt	<u>15 sacks</u>	@	<u>12.00</u>	<u>180.00</u>
ASF	<u>500 gallons</u>	@	<u>1.27</u>	<u>635.00</u>
		@		
		@		
		@		
		@		
		@		
		@		
		@		
		@		
		@		
HANDLING	<u>168</u>	@	<u>2.25</u>	<u>378.00</u>
MILEAGE	<u>168 x 1.1215</u>			<u>188.41</u>
				<u>3971.45</u>

PUMP TRUCK CEMENTER Ray G

471 HELPER Ray G

BULK TRUCK # 3688 DRIVER Don V

BULK TRUCK # _____ DRIVER _____

REMARKS:

Pipe on bottom Close Tool

Puc 5 Tab 70 500 Ps. and Held

Balance Tool calculate 8 1/2 surface

Casing had to pull out circulation

Rea Seagel ASF mix 150 SX Class A

+ 10% Salt + 2% Gel Displace 18 3/4

Push water close Tool Puc 70 1000 Ps

Row 5 Job in Reverse out 30 000

CHARGE TO: N-10 Exploration

STREET _____

CITY _____ STATE _____ ZIP _____

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 R G Miller

SIGNATURE R G Miller

SERVICE

DEPTH OF JOB 3339

PUMP TRUCK CHARGE 2225.00

EXTRA FOOTAGE _____ @ _____

MILEAGE 30 @ 7.00 210.00

MANIFOLD _____ @ _____

Light Vehicle 30 @ 4.00 120.00

TOTAL 2419.00

FLUG & FLOAT EQUIPMENT

_____ @ _____

_____ @ _____

_____ @ _____

_____ @ _____

_____ @ _____

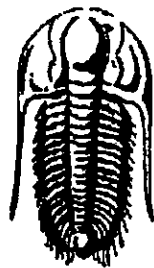
TOTAL _____

SALES TAX (If Any) _____

TOTAL CHARGES 1040.45

DISCOUNT 20% IF PAID IN 30 DAYS

Net \$5152.30



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

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

PO Box 195
Attica, KS 67009

ATTN: Randy Newbery/ Tim

15-35s-11w Barber,KS

Medicine River Ranch B-8

Start Date: 2011.10.02 @ 20:26:07

End Date: 2011.10.03 @ 05:19:52

Job Ticket #: 44064

DST #: 1

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Printed: 2011.10.10 @ 15:16:25

N-10 Exploration LLC

Medicine River Ranch B-8

15-35s-11w Barber,KS

DST # 1

Misener Sand

2011.10.02



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

N-10 Exploration LLC

Medicine River Ranch B-8

PO Box 195
Attica, KS 67009

15-35s-11w Barber, KS

ATTN: Randy Newberry/Tim

Job Ticket: 44064

DST#: 1

Test Start: 2011.10.02 @ 20:28:07

GENERAL INFORMATION:

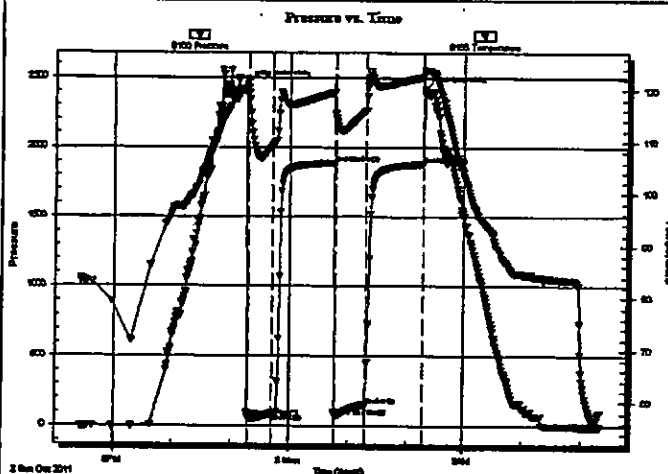
Formation: **Misener Sand**
 Deviated: No Whipstock ft (KB)
 Time Tool Opened: 23:17:52
 Time Test Ended: 05:19:52
 Interval: **4884.00 ft (KB) To 4920.00 ft (KB) (TVD)**
 Total Depth: **4920.00 ft (KB) (TVD)**
 Hole Diameter: **7.88 Inches** Hole Condition: Fair
 Test Type: Conventional Bottom Hole (Initial)
 Tester: Chris Staats
 Unit No: 34
 Reference Elevations: 1364.00 ft (KB)
 1354.00 ft (CF)
 KB to GR/CF: 10.00 ft

Serial #: **8166**

Outside

Press@RunDepth: 151.35 psig @ 4895.00 ft (KB)
 Start Date: 2011.10.02 End Date: 2011.10.03 Capacity: 8000.00 psig
 Start Time: 20:28:12 End Time: 05:19:52 Last Calib.: 2011.10.03
 Time On Btm: 2011.10.02 @ 23:15:37
 Time Off Btm: 2011.10.03 @ 02:18:37

TEST COMMENT: IF: Strong blow BOB 30 sec GTS 10 min
 IS: Strong blow back 9"
 FF: Strong blow BOB 2 sec
 FS: Strong blow back 7"



PRESSURE SUMMARY

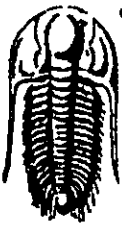
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2454.00	120.96	Initial Hydro-static
3	59.64	119.56	Open To Flow (1)
27	89.91	109.14	Shut-In(1)
90	1886.36	119.51	End Shut-In(1)
92	71.23	114.63	Open To Flow (2)
123	151.35	115.97	Shut-In(2)
182	1877.16	122.56	End Shut-In(2)
183	2411.97	123.73	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
300.00	Slight mud cut Gassy Condensation	3.12

Gas Rates

	Choke (Inches)	Pressure (psig)	Gas Rate (Mcf/d)
First Gas Rate	0.25	6.00	32.36
Last Gas Rate	0.25	24.00	60.92
Max. Gas Rate	0.25	24.00	60.92



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

N-10 Exploration LLC

Medicine River Ranch B-8

PO Box 195
Attica, KS 67009

15-35s-11w Barber, KS

Job Ticket: 44064 DST#: 1

ATTN: Randy Newberry/ Tim

Test Start: 2011.10.02 @ 20:26:07

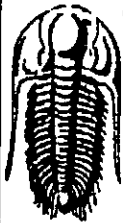
Tool Information

Drill Pipe:	Length: 4778.00 ft	Diameter: 3.80 inches	Volume: 67.02 bbl	Tool Weight: 2200.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 120.00 ft	Diameter: 2.25 inches	Volume: 0.59 bbl	Weight to Pull Loose: 90000.00 lb
		<u>Total Volume:</u>	<u>67.61 bbl</u>	Tool Chased 5.00 ft
Drill Pipe Above KB:	33.00 ft			String Weight: Initial 72000.00 lb
Depth to Top Packer:	4894.00 ft			Final 72000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	26.00 ft			
Tool Length:	55.00 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			4866.00	
Shut In Tool	5.00			4871.00	
Hydraulic tool	5.00			4876.00	
Jars	5.00			4881.00	
Safety Joint	3.00			4884.00	
Packer	5.00			4889.00	29.00 Bottom Of Top Packer
Packer	5.00			4894.00	
Stubb	1.00			4895.00	
Recorder	0.00	6773	Outside	4895.00	
Recorder	0.00	8166	Outside	4895.00	
Perforations	22.00			4917.00	
Bullnose	3.00			4920.00	26.00 Bottom Packers & Anchor

Total Tool Length: 55.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

N-10 Exploration LLC

Medicine River Ranch B-8

PO Box 195
Attica, KS 67009

15-35s-11w Barber,KS

Job Ticket: 44064 DST#: 1

ATTN: Randy Newberry/ Tim

Test Start: 2011.10.02 @ 20:26:07

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:	ppm
Viscosity: 49.00 sec/qt	Cushion Volume: bbl		
Water Loss: 8.78 in*	Gas Cushion Type:		
Resistivity: 0.00 ohm.m	Gas Cushion Pressure: psig		
Salinity: 4000.00 ppm			
Filter Cake: 0.02 inches			

Recovery Information

Recovery Table

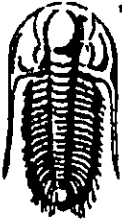
Length ft	Description	Volume bbl
300.00	Slight mud cut Gassy Condensation	3.115

Total Length: 300.00 ft Total Volume: 3.115 bbl

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

Laboratory Name: Laboratory Location:

Recovery Comments:



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

GAS RATES

N-10 Exploration LLC

Medicine River Ranch B-8

PO Box 195
Attica, KS 67009

15-35s-11w Barber, KS

Job Ticket: 44064

DST#: 1

ATTN: Randy Newberry/ Tim

Test Start: 2011.10.02 @ 20:26:07

Gas Rates Information

Temperature: 59 (deg F)
Relative Density: 0.65
Z Factor: 0.8

Gas Rates Table

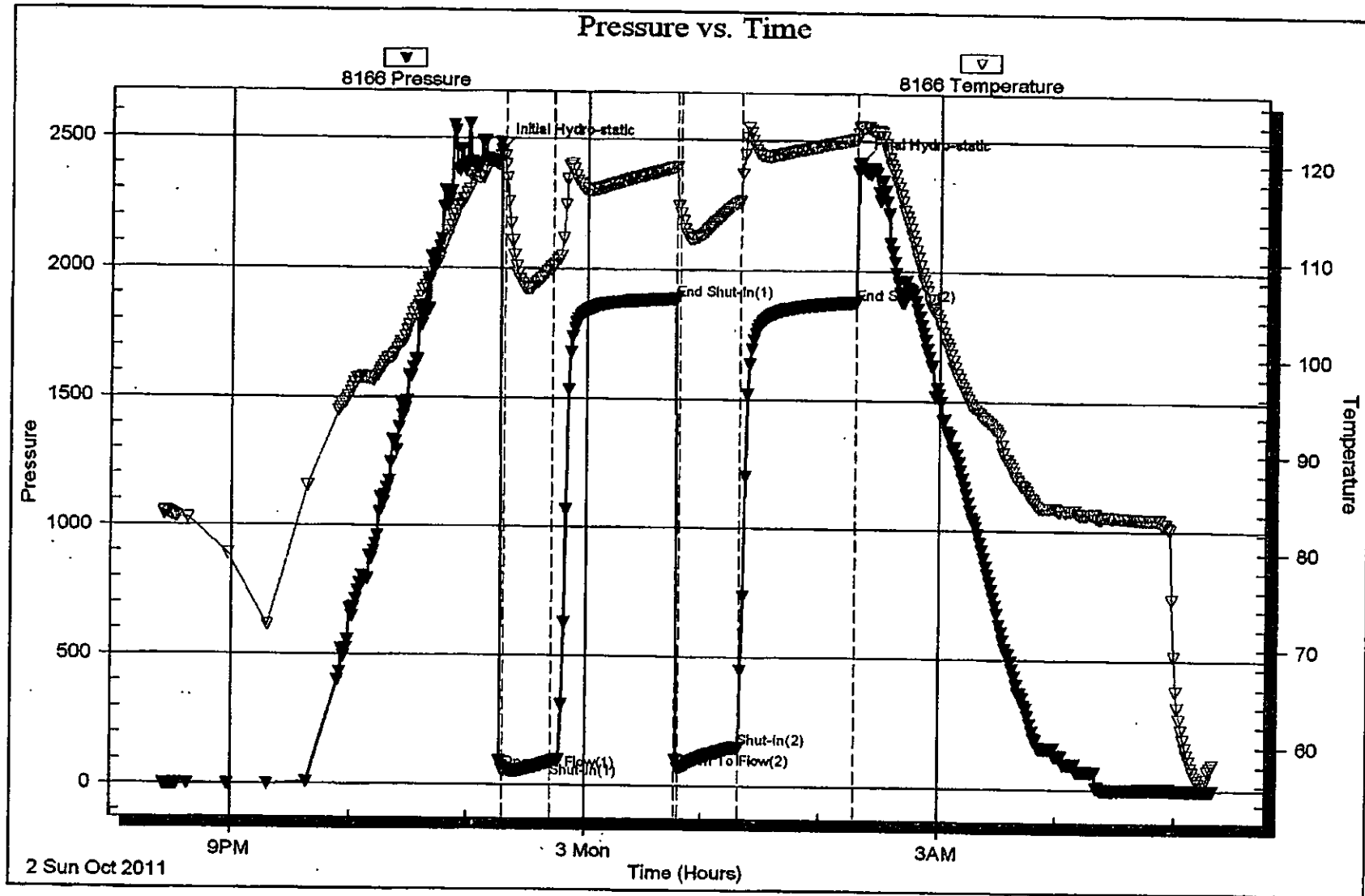
Flow Period	Elapsed Time	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
1	12	0.25	6.00	32.36
1	12	0.25	6.00	32.36
1	12	0.25	6.00	32.36
1	12	0.25	6.00	32.36
1	15	0.25	7.00	33.95
1	20	0.25	13.00	43.47
1	25	0.25	19.00	52.99
1	30	0.25	23.00	59.33
2	5	0.25	12.00	41.88
2	10	0.25	18.00	51.40
2	15	0.25	24.00	60.92

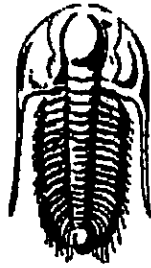
Serial #: 8166

Outside N-10 Exploration LLC

15-35s-11w Barber,KS

DST Test Number: 1





**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

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

PO Box 195
Attica, KS 67009

ATTN: Randy Newberry/ Tim

15-35s-11w Barber,KS

Medicine River Ranch B-8

Start Date: 2011.10.03 @ 17:19:07

End Date: 2011.10.04 @ 01:29:07

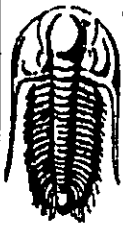
Job Ticket #: 44065

DST #. 2

N-10 Exploration LLC
Medicine River Ranch B-8
15-35s-11w Barber,KS
DST # 2
Viola
2011.10.03

Trilobite Testing, Inc
PO Box 362 Hays, KS 67601
ph: 785-625-4778 fax: 785-625-5620

Printed: 2011.10.10 @ 15:16:49



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

N-10 Exploration LLC

Medicine River Ranch B-8

PO Box 195
Attica, KS 67009

15-35s-11w Barber, KS

Job Ticket: 44065

DST#: 2

ATTN: Randy Newberry/ Tim

Test Start: 2011.10.03 @ 17:19:07

GENERAL INFORMATION:

Formation: Viola

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 20:10:52

Time Test Ended: 01:29:07

Test Type: Conventional Bottom Hole (Reset)

Tester: Chris Staats

Unit No: 34

Interval: 4941.00 ft (KB) To 4965.00 ft (KB) (TVD)

Total Depth: 4965.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 1364.00 ft (KB)

1354.00 ft (CF)

KB to GR/CF: 10.00 ft

Serial #: 8166

Outside

Press@RunDepth: 37.24 psig @ 4942.00 ft (KB)

Start Date: 2011.10.03

End Date:

2011.10.04

Capacity: 8000.00 psig

Last Calib.: 2011.10.04

Start Time: 17:19:12

End Time:

01:29:06

Time On Btm: 2011.10.03 @ 20:09:52

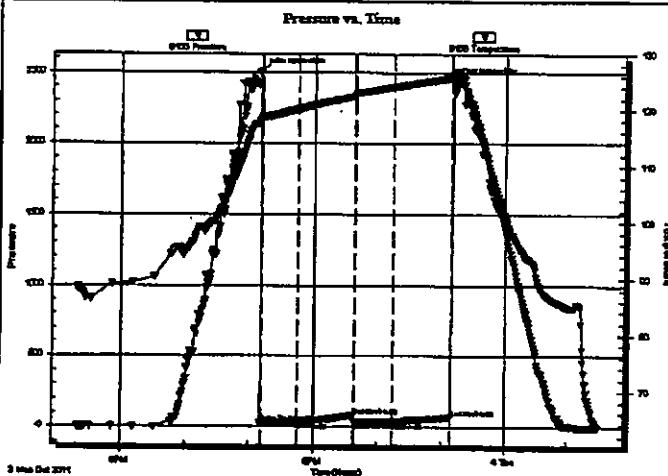
Time Off Btm: 2011.10.03 @ 23:10:22

TEST COMMENT: IF: Weak surface blow blow died in 15 min

IS: No blow back

FP: No blow

FST: No blow back



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2506.72	118.10	Initial Hydro-static
1	27.06	118.63	Open To Flow (1)
35	33.73	120.12	Shut-In(1)
89	81.22	122.52	End Shut-In(1)
90	33.49	122.71	Open To Flow (2)
125	37.24	124.07	Shut-In(2)
180	70.17	125.75	End Shut-In(2)
181	2442.57	126.29	Final Hydro-static

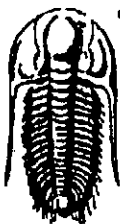
Recovery

Length (ft)	Description	Volume (bb)
30.00	Mud 100%	0.15

* Recovery from multiple tests

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

N-10 Exploration LLC

Medicine River Ranch B-8

PO Box 195
Attica, KS 67009

15-35s-11w Barber, KS

Job Ticket: 44065

DST#: 2

ATTN: Randy Newberry/ Tim

Test Start: 2011.10.03 @ 17:19:07

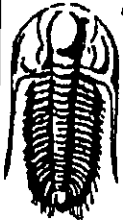
Tool Information

Drill Pipe:	Length: 4807.00 ft	Diameter: 3.80 inches	Volume: 67.43 bbl	Tool Weight: 2200.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 120.00 ft	Diameter: 2.25 inches	Volume: 0.59 bbl	Weight to Pull Loose: 90000.00 lb
		<u>Total Volume:</u>	<u>68.02 bbl</u>	Tool Chased 4.00 ft
Drill Pipe Above KB:	15.00 ft			String Weight: Initial 72000.00 lb
Depth to Top Packer:	4941.00 ft			Final 72000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	24.00 ft			
Tool Length:	53.00 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			4913.00	
Shut In Tool	5.00			4918.00	
Hydraulic tool	5.00			4923.00	
Jars	5.00			4928.00	
Safety Joint	3.00			4931.00	
Packer	5.00			4936.00	29.00 Bottom Of Top Packer
Packer	5.00			4941.00	
Stubb	1.00			4942.00	
Recorder	0.00	6773	Outside	4942.00	
Recorder	0.00	8166	Outside	4942.00	
Perforations	20.00			4962.00	
Bullnose	3.00			4965.00	24.00 Bottom Packers & Anchor

Total Tool Length: 53.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

N-10 Exploration LLC

Medicine River Ranch B-8

PO Box 195
Attica, KS 67009

16-35s-11w Barber, KS

Job Ticket: 44065 DST#: 2

ATTN: Randy Newberry/ Tim

Test Start: 2011.10.03 @ 17:19:07

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:	ppm
Viscosity: 50.00 sec/qt	Cushion Volume: bbl		
Water Loss: 8.79 in ³	Gas Cushion Type:		
Resistivity: 0.00 ohm.m	Gas Cushion Pressure: psig		
Salinity: 6000.00 ppm			
Filter Cake: 0.02 inches			

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
30.00	Mud 100%	0.148

Total Length: 30.00 ft Total Volume: 0.148 bbl

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

Laboratory Name: Laboratory Location:

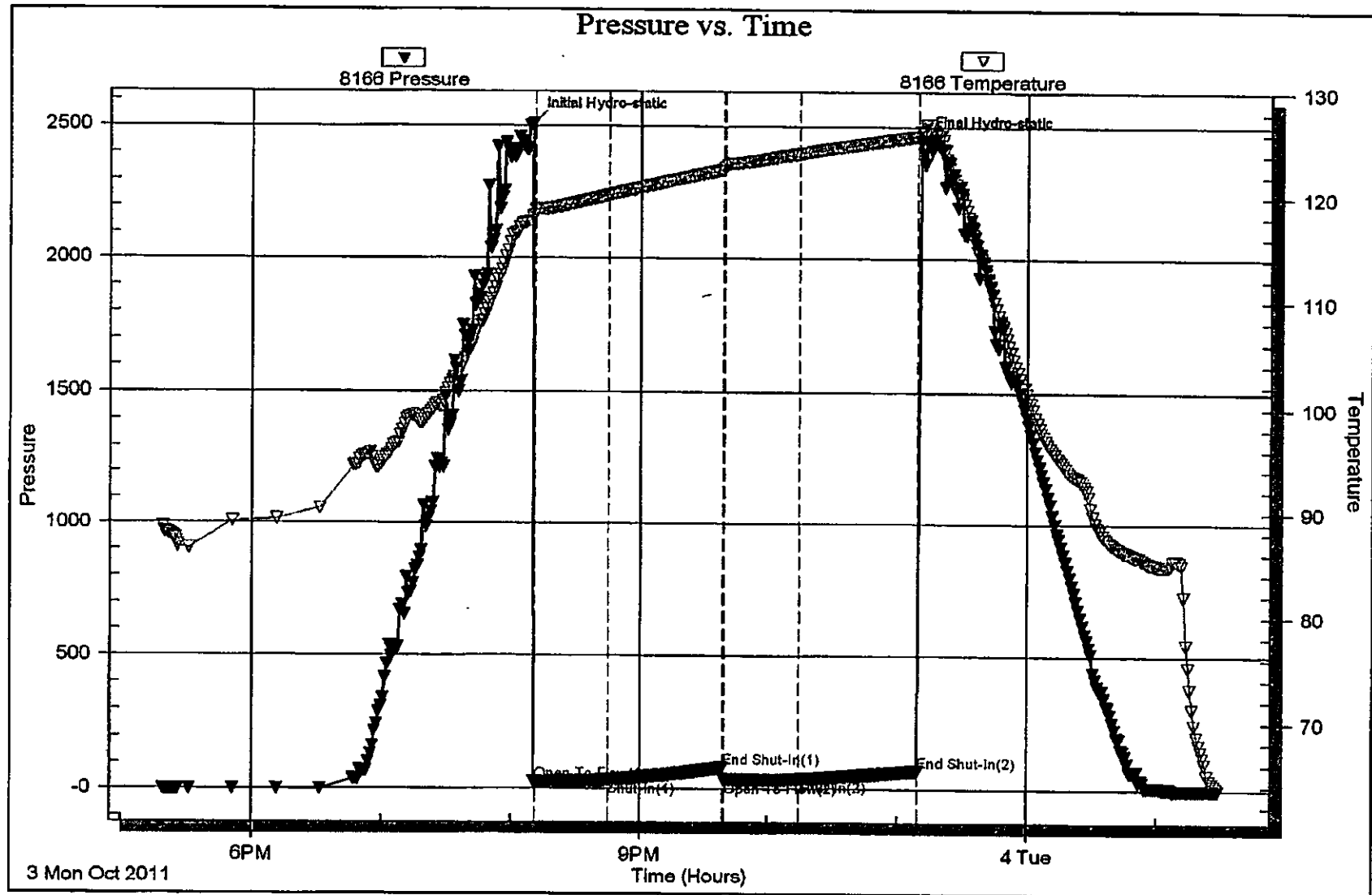
Recovery Comments:

Serial #: 8166

Outside N-10 Exploration LLC

15-35s-11w Barber,KS

DST Test Number: 2



Timothy G. Pierce

Petroleum Geologist

GEOLOGIST'S REPORT DRILLING TIME AND SAMPLE LOG

COMPANY N-10 Exploration, LLC

LEASE Medicine River Ranch 'B' #8

FIELD Landis

LOCATION SW NE SE

SEC 15 TWSP 34S RGE 11W

COUNTY Barber STATE Kansas

CONTRACTOR Hardt Drilling Rig #1

SPUD 9-27-2011 COMP 10-05-2011

RTD 5066 LTD 5067

MUD UP 3222 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 4030 to RTD

GEOLOGIST ON WELL Tim Pierce

ELEVATIONS

KB 1364'

DF _____

GL 1354'

Measurements Are All
From Kelly Bushing

CASING

CONDUCTOR _____

SURFACE 8-5/8" at 269'

PRODUCTION 5-1/2" at 5038'

ELECTRICAL

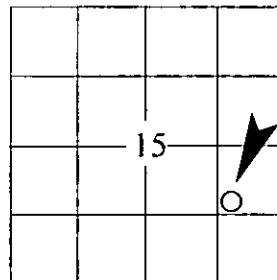
SURVEYS

DIL / CN-CD

Log-Tech

FORMATION TOPS	ELECTRIC LOG	SAMPLE
Heebner Sh.	3639 (-2275)	NA
Iatan LS.	4074 (-2710)	4073 (-2709)
Stark Sh.	4321 (-2957)	4320 (-2956)
Cherokee Sh.	4546 (-3182)	4544 (-3180)
Mississippi	4609 (-3245)	4607 (-3243)
Chattanooga Sh.	4884 (-3520)	4883 (-3519)
Viola	4940 (-3576)	4940 (-3576)
Simpson	5032 (-3668)	5031 (-3667)

API # 15-007-23,763



REMARKS DST results indicate a commercial zone in the Meisner Sand.

DST results indicated non reservoir rocks at the top of the Viola where a slight sample show was observed.

A slight sample show was observed in the basal Viola with electric logs indicating a lack of reservoir development.

Samples and electric logs indicate a commercial zone in the Mississippi from 4616'-4694'.

A slight sample show was noted in the KC Hertha at 4366'-4370', this zone should be tested before the well is abandoned.

A gas kick was recorded from the interval between 3248 and 3279, a port collar was run to cement this interval for possible future testing.

Timothy G. Pierce

LEGEND



DRILLING TIME IN
MINUTES PER FOOT
Rate of Penetration Decreases ↑

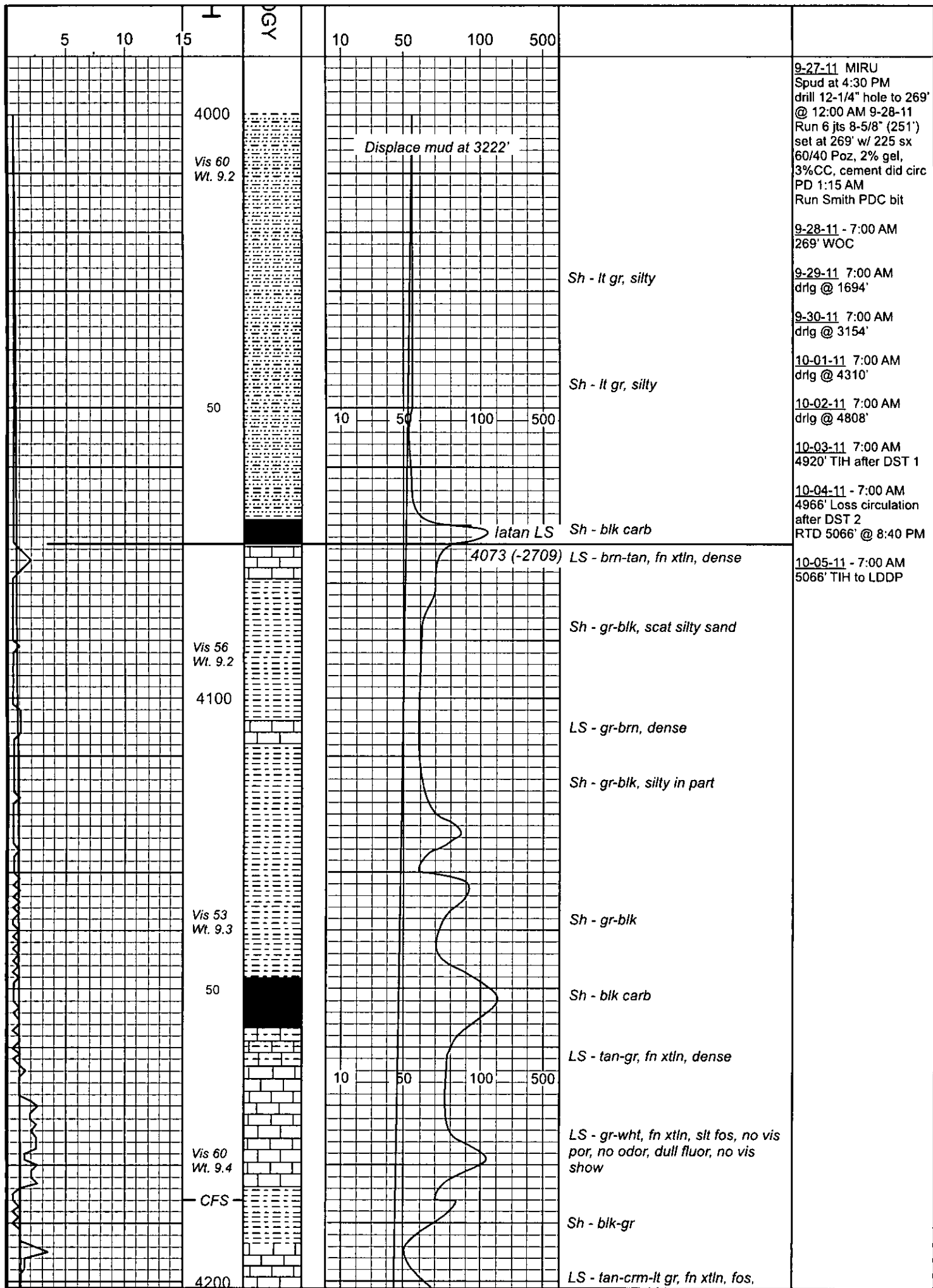
DEPTH

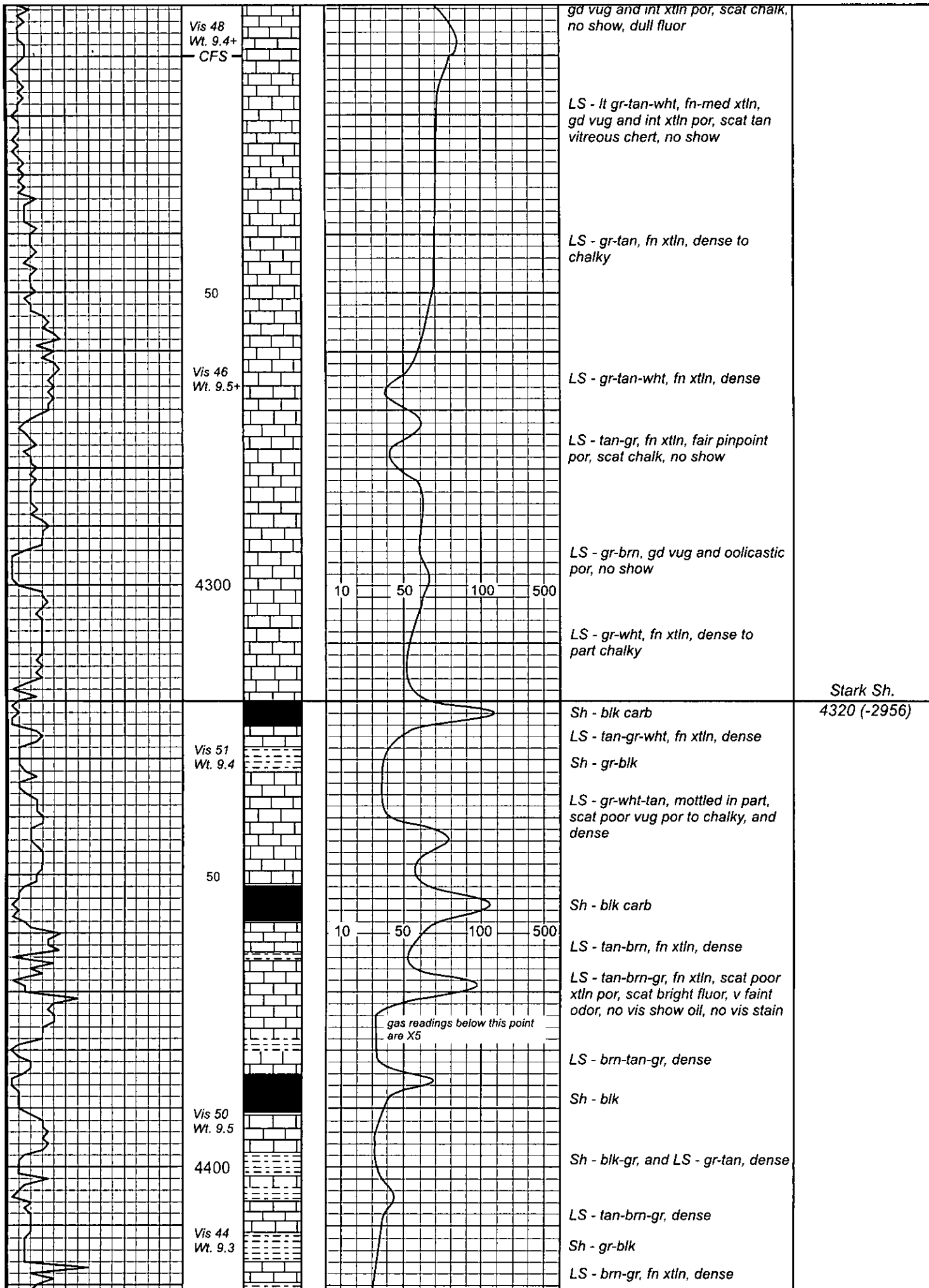
LITHOLOGY

GAS SCALE

SAMPLE DESCRIPTION

REMARKS





Vis 48
Wt. 9.4+
CFS

50

Vis 46
Wt. 9.5+

4300

10 50 100 500

gd vug and int xtln por, scat chalk, no show, dull fluor

LS - lt gr-tan-wht, fn-med xtln, gd vug and int xtln por, scat tan vitreous chert, no show

LS - gr-tan, fn xtln, dense to chalky

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

LS - tan-gr, fn xtln, fair pinpoint por, scat chalk, no show

LS - gr-brn, gd vug and oolitic por, no show

LS - gr-wht, fn xtln, dense to part chalky

Stark Sh.
4320 (-2956)

Vis 51
Wt. 9.4

50

10 50 100 500

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

LS - gr-wht-tan, mottled in part, scat poor vug por to chalky, and dense

Sh - blk carb

LS - tan-brn, fn xtln, dense

LS - tan-brn-gr, fn xtln, scat poor xtln por, scat bright fluor, v faint odor, no vis show oil, no vis stain

gas readings below this point are X5

LS - brn-tan-gr, dense

Sh - blk

Vis 50
Wt. 9.5

4400

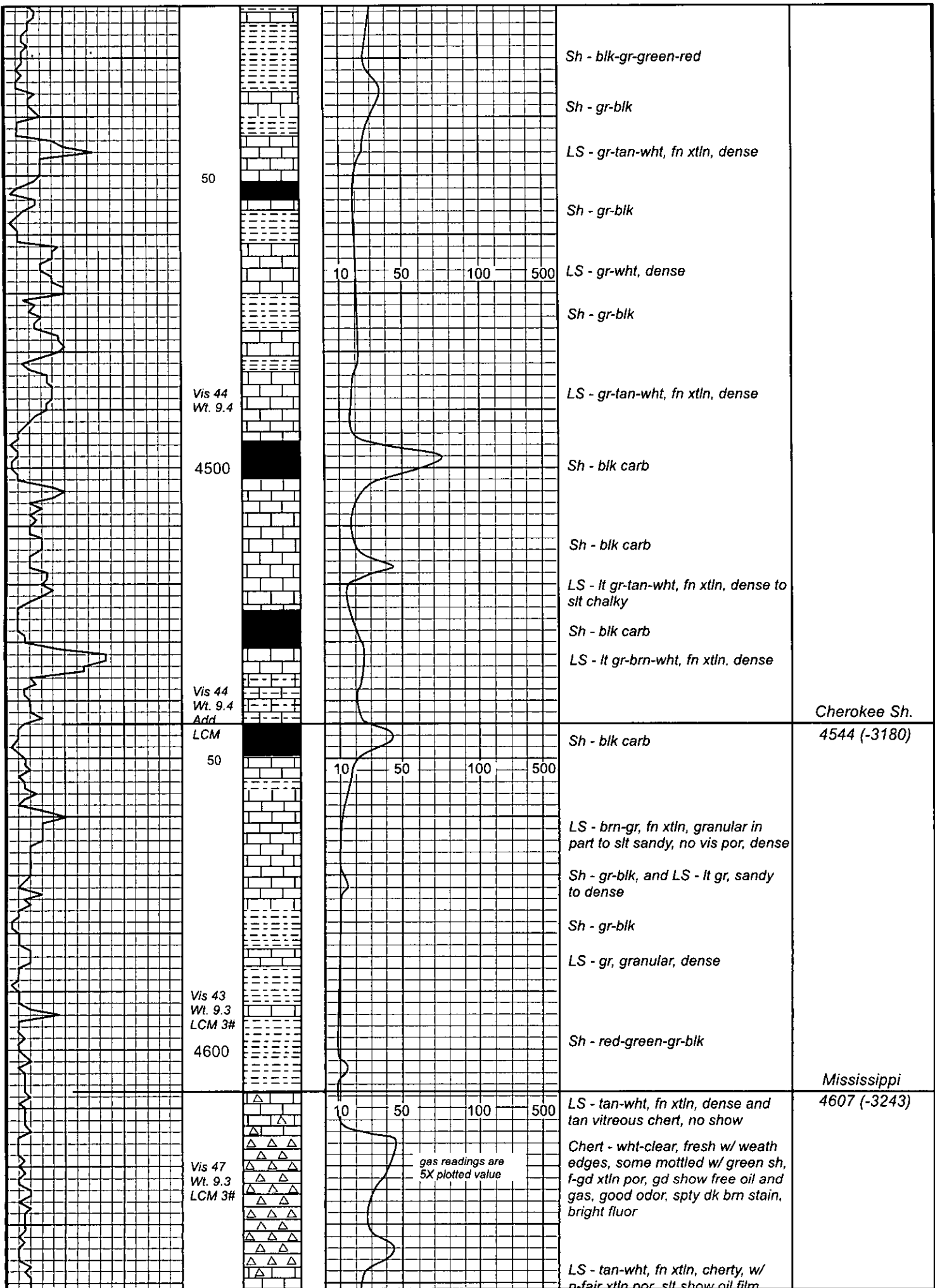
Sh - blk-gr, and LS - gr-tan, dense

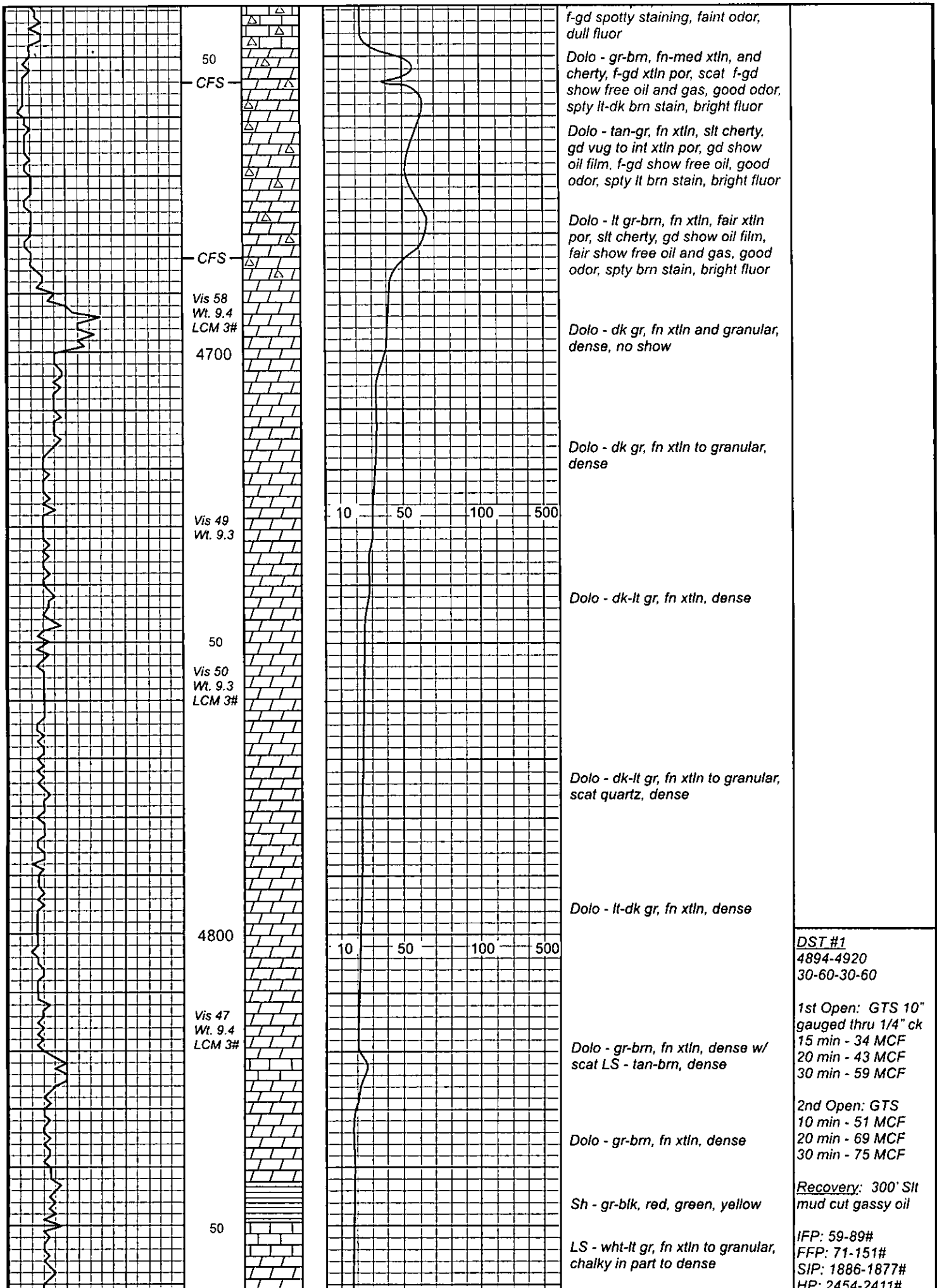
LS - tan-brn-gr, dense

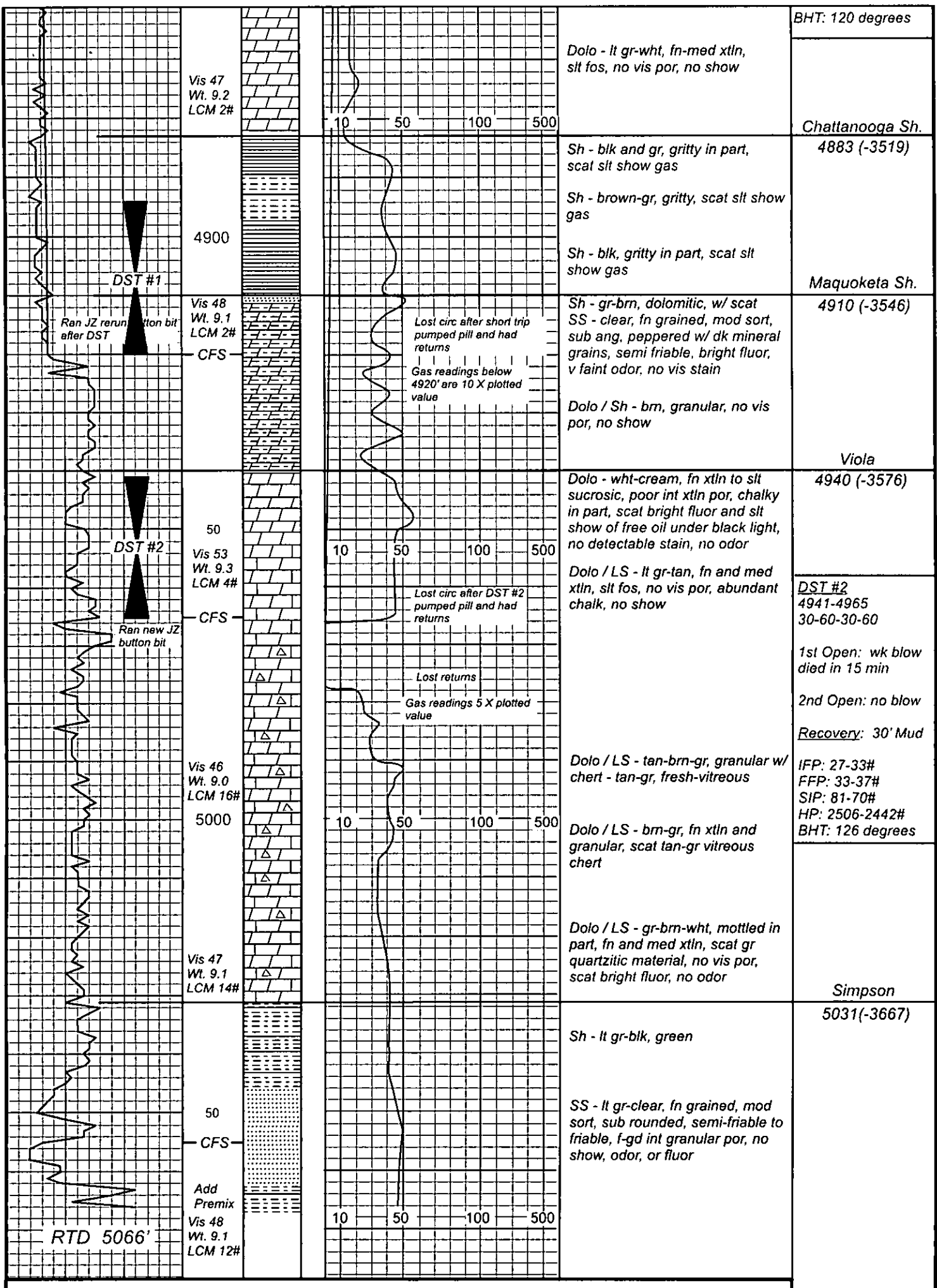
Vis 44
Wt. 9.3

Sh - gr-blk

LS - brn-gr, fn xtln, dense







Vis 47
Wt. 9.2
LCM 2#

Dolo - lt gr-wht, fn-med xtlin,
slt fos, no vis por, no show

BHT: 120 degrees

Chattanooga Sh.
4883 (-3519)

4900

DST #1

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

Sh - brown-gr, gritty, scat slt show
gas

Sh - blk, gritty in part, scat slt
show gas

Maquoketa Sh.
4910 (-3546)

Vis 48
Wt. 9.1
LCM 2#

Ran JZ rerun button bit
after DST

CFS

Lost circ after short trip
pumped pill and had
returns

Gas readings below
4920' are 10 X plotted
value

Sh - gr-brn, dolomitic, w/ scat
SS - clear, fn grained, mod sort,
sub ang, peppered w/ dk mineral
grains, semi friable, bright fluor,
v faint odor, no vis stain

Dolo / Sh - brn, granular, no vis
por, no show

Viola
4940 (-3576)

DST #2

50
Vis 53
Wt. 9.3
LCM 4#

Ran new JZ
button bit

CFS

Lost circ after DST #2
pumped pill and had
returns

Lost returns

Gas readings 5 X plotted
value

Dolo - wht-cream, fn xtlin to slt
sucrosic, poor int xtlin por, chalky
in part, scat bright fluor and slt
show of free oil under black light,
no detectable stain, no odor

Dolo / LS - lt gr-tan, fn and med
xtlin, slt fos, no vis por, abundant
chalk, no show

DST #2
4941-4965
30-60-30-60

1st Open: wk blow
died in 15 min

2nd Open: no blow

Recovery: 30' Mud

Vis 46
Wt. 9.0
LCM 16#

5000

Dolo / LS - tan-brn-gr, granular w/
chert - tan-gr, fresh-vitreous

Dolo / LS - brn-gr, fn xtlin and
granular, scat tan-gr vitreous
chert

IFP: 27-33#
FFP: 33-37#
SIP: 81-70#
HP: 2506-2442#
BHT: 126 degrees

Vis 47
Wt. 9.1
LCM 14#

Dolo / LS - gr-brn-wht, mottled in
part, fn and med xtlin, scat gr
quartzitic material, no vis por,
scat bright fluor, no odor

Simpson
5031(-3667)

50
CFS

Sh - lt gr-blk, green

SS - lt gr-clear, fn grained, mod
sort, sub rounded, semi-friable to
friable, f-gd int granular por, no
show, odor, or fluor

Add
Premix
Vis 48
Wt. 9.1
LCM 12#

RTD 5066'

