



KANSAS CORPORATION COMMISSION 1083497
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 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 #: _____
2/24/2012 3/3/2012 3/15/2012
Spud Date or Date Reached TD Completion Date or
Recompletion Date Recompletion Date

API No. 15 - 15-007-23807-00-00
Spot Description: NW SE NE SE
NW SE NE SE Sec. 10 Twp. 34 S. R. 11 East West
1940 Feet from North / South Line of Section
450 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 #: D4
Field Name: Landis
Producing Formation: Meisner Sand
Elevation: Ground: 1367 Kelly Bushing: 1377
Total Depth: 5094 Plug Back Total Depth: 5052
Amount of Surface Pipe Set and Cemented at: 268 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: 6200 ppm Fluid volume: 160 bbls
Dewatering method used: Hauled to Disposal
Location of fluid disposal if hauled offsite:
Operator Name: Jody Oil & Gas Corp
Lease Name: Sanders 3A SWD License #: 3288
Quarter SW Sec. 20 Twp. 31 S. R. 8 East West
County: Harper Permit #: D23313

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 Gerriso Date: 06/11/2012



1083497

Operator Name: N-10 Exploration, LLC Lease Name: Medicine River Ranch Well #: D4
 Sec. 10 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 <i>(Attach Additional Sheets)</i>	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input checked="" type="checkbox"/> Log	Formation (Top), Depth and Datum	<input type="checkbox"/> Sample
Samples Sent to Geological Survey	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Name	Top	Datum
Cores Taken	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Mississippi	4569	(-3192)
Electric Log Run	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Simpson	5002	(-3625)
Electric Log Submitted Electronically <i>(If no, Submit Copy)</i>	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No			
List All E. Logs Run:				
Dual Induction				
Dual Compensated Porosity				

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	268	60:40 Poz	225	3% CC, 2% Gel
Production	7.875	5.5	14	5094	Class H	150	10% Salt, 5# Kolseal

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
4	4888 - 4892	2250 Gal HCL-NE-FE Acid	

TUBING RECORD: Size: <u>2.875</u> Set At: <u>4913</u> Packer At:		Liner Run: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Date of First, Resumed Production, SWD or ENHR. <u>3/18/2012</u>	Producing Method: <input type="checkbox"/> Flowing <input checked="" type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other <i>(Explain)</i> _____	
Estimated Production Per 24 Hours	Oil Bbls. <u>35</u> Gas Mcf <u>60</u> Water Bbls. <u>0</u>	Gas-Oil Ratio <u>1711</u> Gravity <u>45</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> <input type="checkbox"/> Other <i>(Specify)</i> _____	PRODUCTION INTERVAL: <u>4888 - 4892</u>
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ALLIED CEMENTING CO.. LLC. 038037

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

SERVICE POINT:
Medicine Lodge, KS

DATE	SEC.	TWP.	RANGE	CALLED OUT	ON LOCATION	JOB START	JOB FINISH
02-25-12	10	34s	11w				2:00 AM
LEASE <u>Medicine River Land</u>		WELL # <u>D-4</u>		LOCATION <u>281 & Gemaine, East to Bethel</u>		COUNTY <u>Barber</u>	STATE <u>KS</u>
OLD OR NEW (Circle one)		<u>Ed., South to Scott Canyon, 1/2 mi. N. Part CG</u>					

CONTRACTOR Hurd + #1 OWNER N-10

TYPE OF JOB Surface
 HOLE SIZE 12 1/4 T.D. 265
 CASING SIZE 8 5/8 DEPTH 270
 TUBING SIZE DEPTH
 DRILL PIPE DEPTH
 TOOL DEPTH
 PRES. MAX 250# MINIMUM —
 MEAS. LINE SHOE JOINT N/A
 CEMENT LEFT IN CSG. 20'
 PERFS.
 DISPLACEMENT 16 Bbls Fresh H₂O

CEMENT AMOUNT ORDERED 225# x 60' 40' 3% cc + 2% gel

COMMON <u>class A</u>	<u>135# @</u>	<u>2193.75</u>
POZMIX	<u>90# @</u>	<u>765.00</u>
GEL	<u>4# @</u>	<u>85.00</u>
CHLORIDE	<u>8# @</u>	<u>465.00</u>
ASC	@	
	@	
	@	
	@	
	@	
	@	
	@	
	@	
	@	
	@	
	@	
	@	
HANDLING	<u>237</u>	<u>533.25</u>
MILEAGE	<u>15.11 * 237</u>	<u>391.07</u>
TOTAL		<u>4433.67</u>

EQUIPMENT

PUMP TRUCK CEMENTER D. Felia / F. Woods
 # 471-302 HELPER A. Miller
 BULK TRUCK
 # 364 DRIVER D. Gibbons
 BULK TRUCK
 # DRIVER

REMARKS:
Pipe on B Hm Break Circ 10' truck Mix
225# x 60' 40' cement Start Disp. w/ Fresh
H₂O, See increase in PSI, Slow Rate,
Stop Pump at 16 Bbls total, Shut in,
Cement Circulated

SERVICE

DEPTH OF JOB	<u>270'</u>	
PUMP TRUCK CHARGE		<u>1125.00</u>
EXTRA FOOTAGE	@	
MILEAGE	<u>30 @</u>	<u>210.00</u>
MANIFOLD	<u>N/A @</u>	<u>N/A</u>
<u>Light Vehicle</u>	<u>30 @</u>	<u>120.00</u>
	@	

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

TOTAL 1455.00

PLUG & FLOAT EQUIPMENT

None

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 _____ IF PAID IN 30 DAYS
4710.92

PRINTED NAME Scott C Adelhardt
 SIGNATURE Scott C Adelhardt

ALLIED CEMENTING CO.. LLC. 038022

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

SERVICE POINT:
Mel. Hadgill

DATE <u>3-3-12</u>	SEC. <u>10</u>	TWP. <u>34s</u>	RANGE <u>11w</u>	CALLED OUT	ON LOCATION	JOB START <u>4:00 pm</u>	JOB FINISH <u>5:20 pm</u>
LEASE <u>Mel. Hadgill</u>	WELL # <u>D-4</u>	LOCATION <u>Gerlane together, south to Scott camp</u>			COUNTY <u>Barber</u>	STATE <u>KS</u>	
OLD OR <u>NEW</u> (Circle one)		<u>West across C.G. N on L.R. E) into</u>					

CONTRACTOR Hardt Rig #1 OWNER N-10 Exploration

TYPE OF JOB Production

HOLE SIZE 7 7/8 T.D. 5074'

CASING SIZE 5 1/2 DEPTH 5076'

TUBING SIZE DEPTH

DRILL PIPE DEPTH

TOOL DEPTH

PRES. MAX 1200 psi MINIMUM

MEAS. LINE SHOE JOINT 41'

CEMENT LEFT IN CSG. 41'

PERFS.

DISPLACEMENT 124 bbls 2 1/2 WCL

EQUIPMENT

CEMENT AMOUNT ORDERED

150 sx class H + 10% salt + 6" Walsal

40 sx 60:40:4% gel + 4% SWS

Clapro 15 gals ABF 500 gal

COMMON <u>A</u>	<u>24 SX</u>	@ <u>16.25</u>	<u>390.00</u>
POZMIX	<u>16 SX</u>	@ <u>8.50</u>	<u>136.00</u>
GEL	<u>2 SX</u>	@ <u>21.25</u>	<u>42.50</u>
CHLORIDE		@	
ASC		@	
<u>H = 150 SX</u>		@ <u>14.25</u>	<u>2137.50</u>
<u>Salt 15 SX</u>		@ <u>12.00</u>	<u>180.00</u>
<u>Walsal 750#</u>		@ <u>.89</u>	<u>667.50</u>
<u>Clapro 13 Gals</u>		@ <u>31.25</u>	<u>406.25</u>
		@	
		@	
		@	
HANDLING <u>222</u>		@ <u>2.25</u>	<u>499.50</u>
MILEAGE <u>222 / 15 / .11</u>			<u>366.30</u>
TOTAL			<u>5575.55</u>

PUMP TRUCK CEMENTER Matt Thomasch

307/266 HELPER Sason Thomasch

BULK TRUCK

304 DRIVER Bert Coons

BULK TRUCK

DRIVER

REMARKS:

Bulk with pump ball through

pump 20 bbls 2 1/2 WCL pump 3H20

pump 500 gal ABF pump 3H20

plug Rettable with 15 SX

pump 25 SX 5 conveyor pump 160 SX cement

stop wash pump + has Release plug

drop with 2 1/2 WCL lift at 95 bbls

pump plug 700 WCL 200 gal at 124 bbls disp.

floor did not hold pump upto 5000 psi

Shutin

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 TIM PIERCE

SIGNATURE Tim Pierce

SERVICE

DEPTH OF JOB <u>5076'</u>			
PUMP TRUCK CHARGE	<u>2405.00</u>		
EXTRA FOOTAGE	@		
MILEAGE <u>15</u>	@ <u>7.00</u>		<u>105.00</u>
MANIFOLD <u>Hard Rental</u>	@		<u>200.00</u>
<u>Right Vehicle 15</u>	@ <u>4.00</u>		<u>60.00</u>
	@		
TOTAL			<u>2770.00</u>

5 1/2 PLUG & FLOAT EQUIPMENT

<u>1- Reg grade shoe</u>	@		<u>100.00</u>
<u>1- AFO insert</u>	@		<u>112.00</u>
<u>8- centerizers</u>	@ <u>32.20</u>		<u>257.60</u>
<u>10- scratchers</u>	@ <u>23.94</u>		<u>239.40</u>
<u>1- Roller plug</u>	@		<u>66.00</u>
TOTAL			<u>776.12</u>

SALES TAX (If Any) _____

TOTAL CHARGES 9121.67

DISCOUNT 20% IF PAID IN 30 DAYS

Net 7297.33

Timothy G. Pierce

Petroleum Geologist

GEOLOGIST'S REPORT DRILLING TIME AND SAMPLE LOG

COMPANY N-10 Exploration, LLC
 LEASE Medicine River Ranch 'D' #4
 FIELD Landis
 LOCATION 1940' FSL & 450' FEL
 SEC 10 TWSP 34S RGE 11W
 COUNTY Barber STATE Kansas
 CONTRACTOR Hardt Drilling Rig #1
 SPUD 2-24-2012 COMP 3-03-2012
 RTD 5090 LTD 5094
 MUD UP 3061 TYPE MUD Chemical

ELEVATIONS

KB 1377'
 DF _____
 GL 1367'

Measurements Are All
From Kelly Bushing

CASING

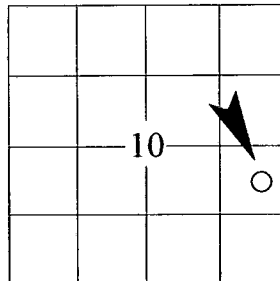
CONDUCTOR _____
 SURFACE 8-5/8" at 268'
 PRODUCTION 5-1/2" at 5086'

ELECTRICAL SURVEYS

DIL / CN-CD
Log-Tech

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

FORMATION TOPS	ELECTRIC LOG	SAMPLE
Heebner Sh.	3630 (-2253)	NA
Iatan LS.	4045 (-2668)	4042 (-2665)
Stark Sh.	4313 (-2936)	4310 (-2933)
Cherokee Sh.	4533 (-3156)	4529 (-3152)
Mississippi	4569 (-3192)	4568 (-3191)
Viola	4912 (-3535)	4910 (-3533)
Simpson	5002 (-3625)	4998 (-3621)



API # 15-007-23,807

REMARKS Samples and electric logs indicate a probable productive zone in the top of the Mississippi from 4584'-4672', this interval should be perforated and fracture treated for production.
A sample show in the Meisner Sand at 4886'-4888' was evaluated by DST, results indicate a possible productive zone, this should be perforated and tested further.
A gas kick and sample show were observed in the Chattanooga Sh. at 4854'-4883'; this zone is potentially productive and should be considered for further treatment.
A very slight sample show was observed in the Simpson sand in the 5060' sample, electric logs indicate a water productive sand.
The Pawnee LS at 4489-96 had a slight increase on the gas chart and electric logs indicate possible zone development, this should be considered before abandonment. There were no other zones of interest indicated by samples or electric logs

Timothy G. Pierce

LEGEND



DRILLING TIME IN
MINUTES PER FOOT
Rate of Penetration Decreases ↑

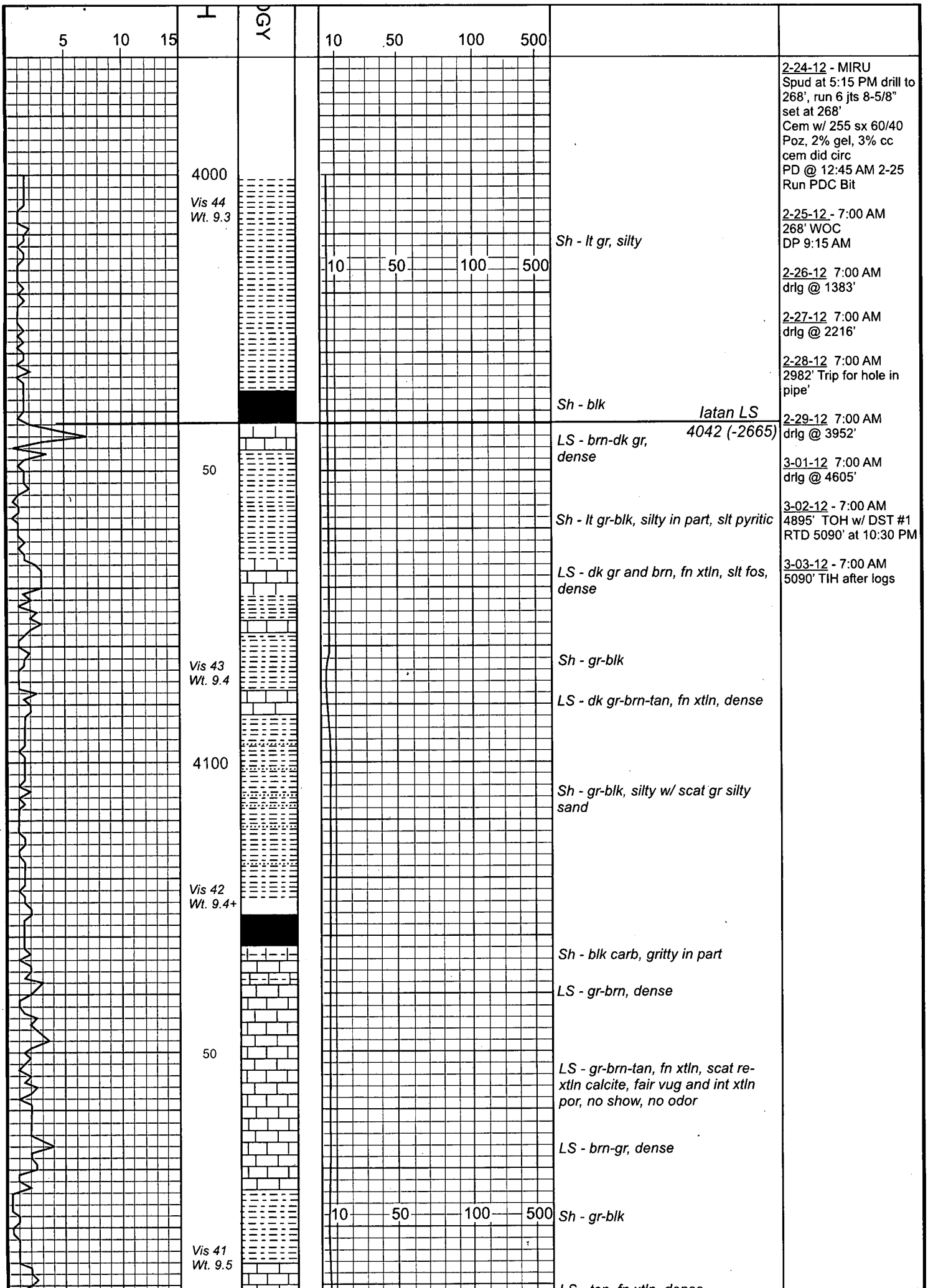
GAS SCALE

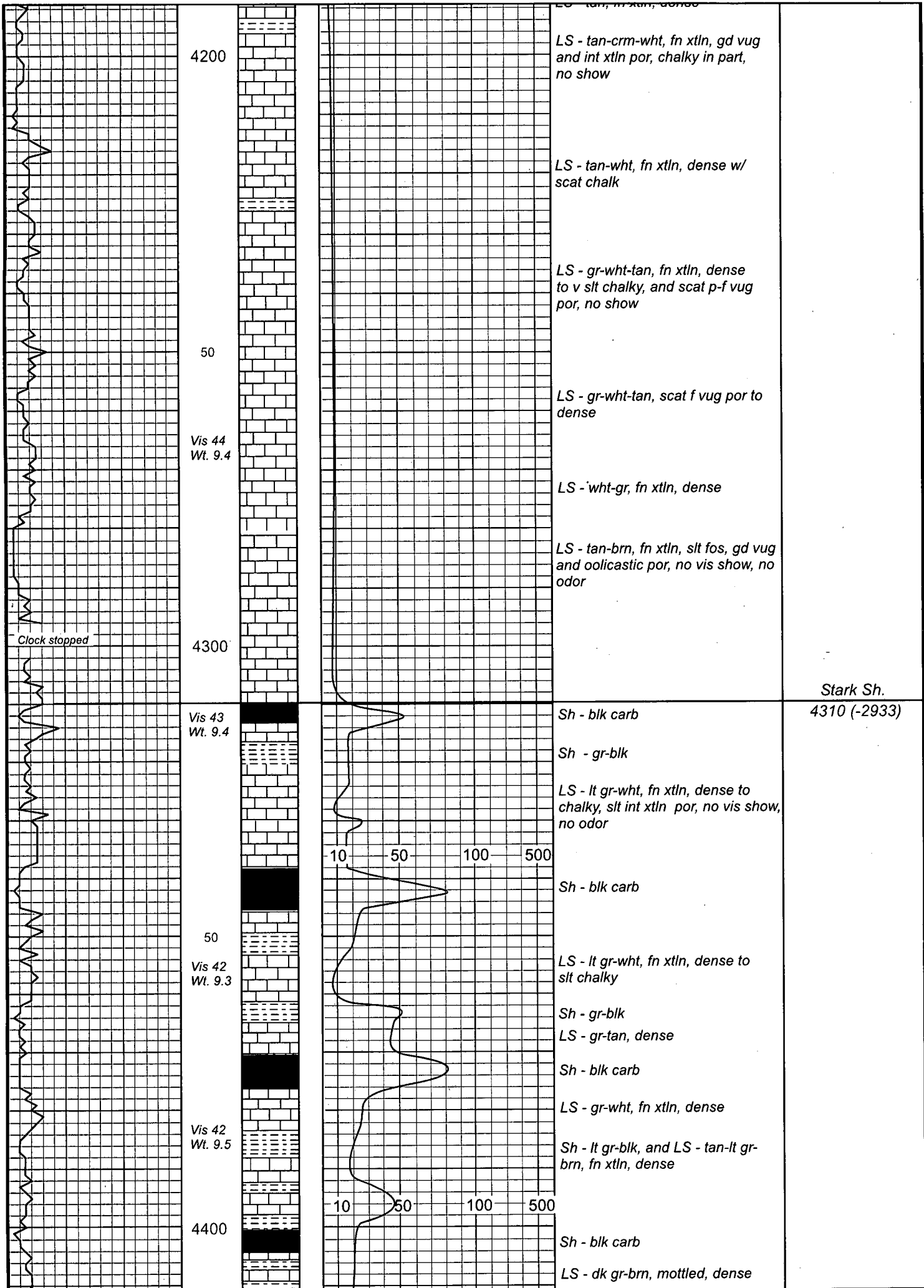
LITHOLOGY

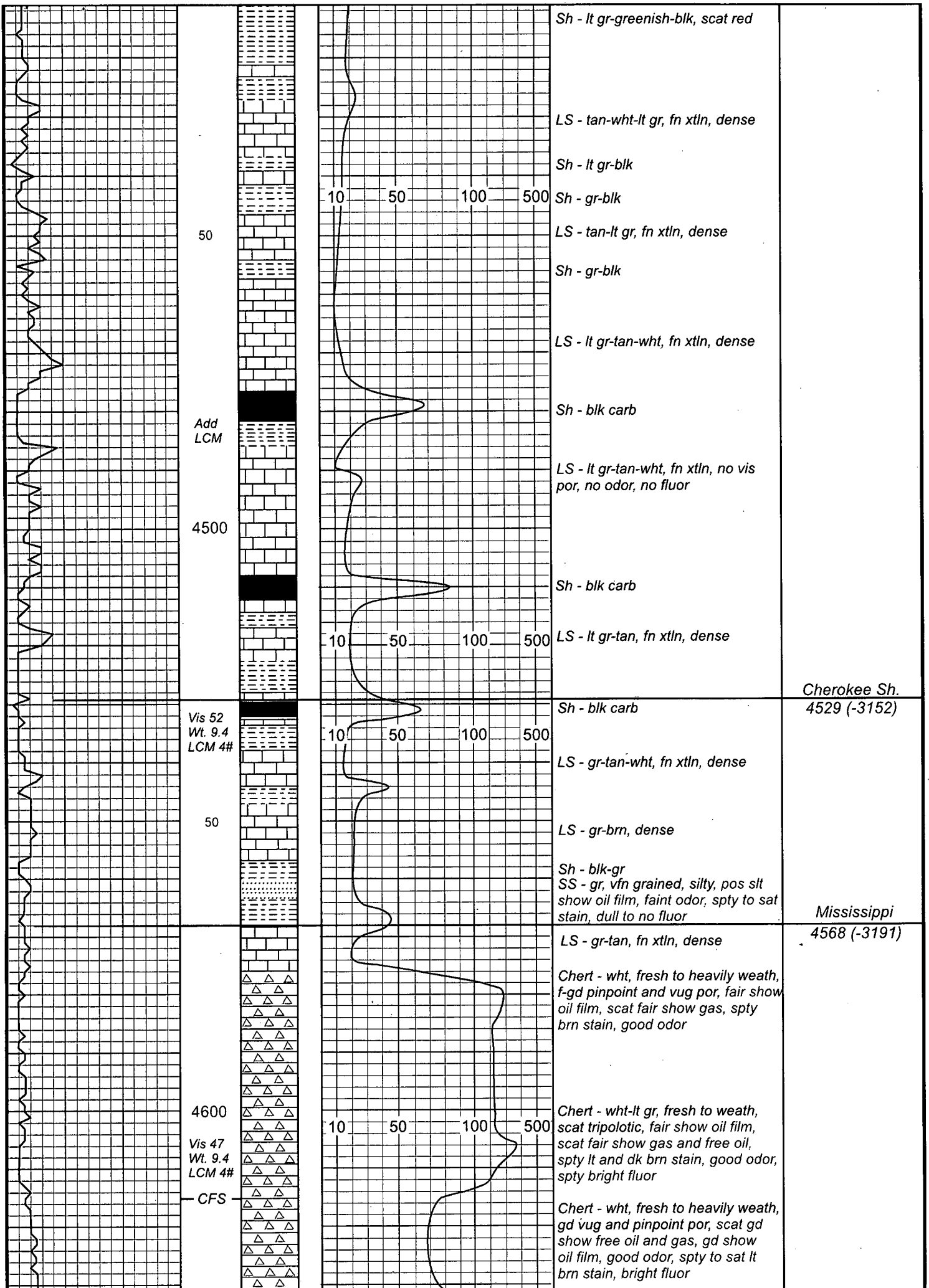
DEPTH

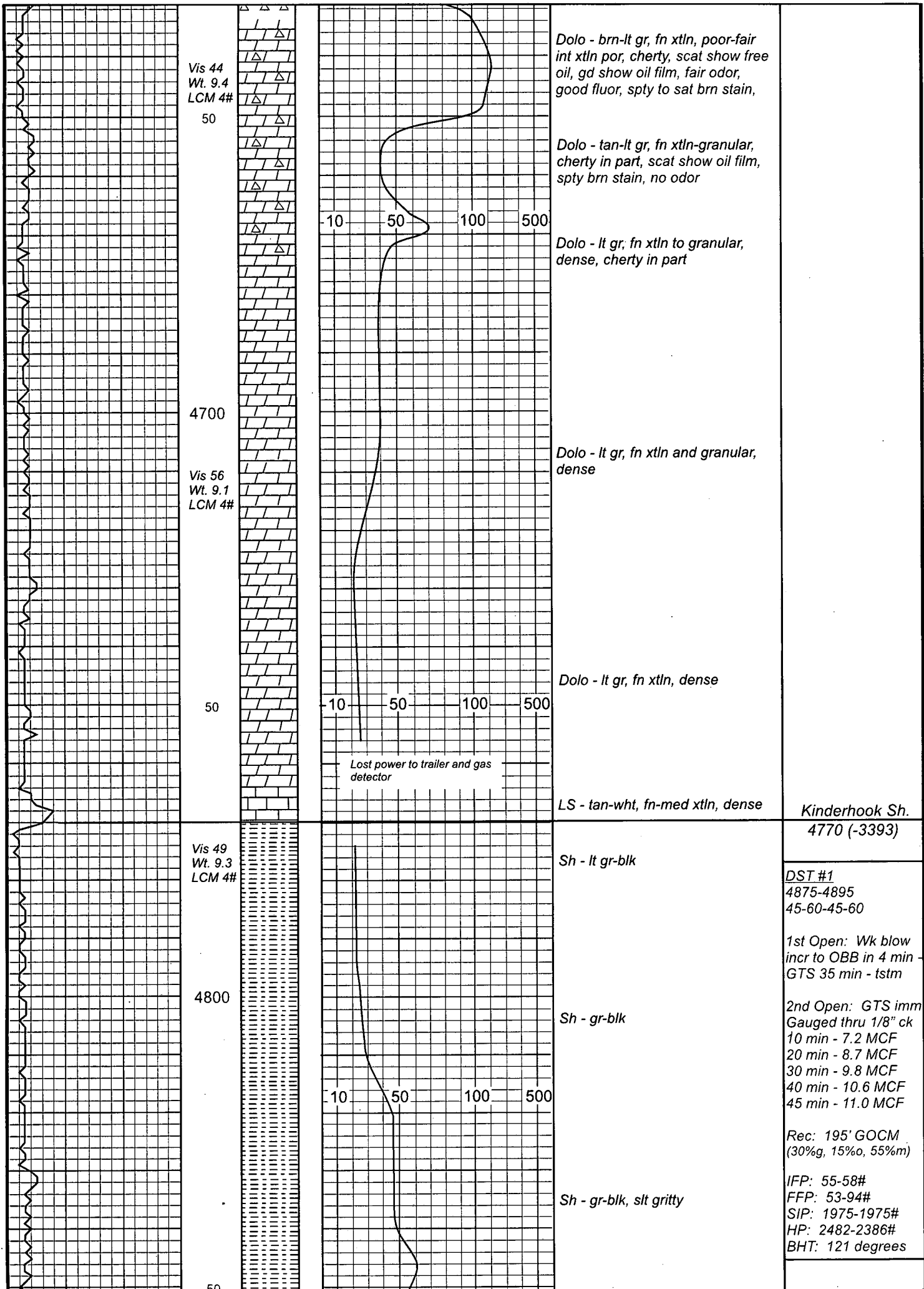
SAMPLE DESCRIPTION

REMARKS









Lost power to trailer and gas detector

Kinderhook Sh.
4770 (-3393)

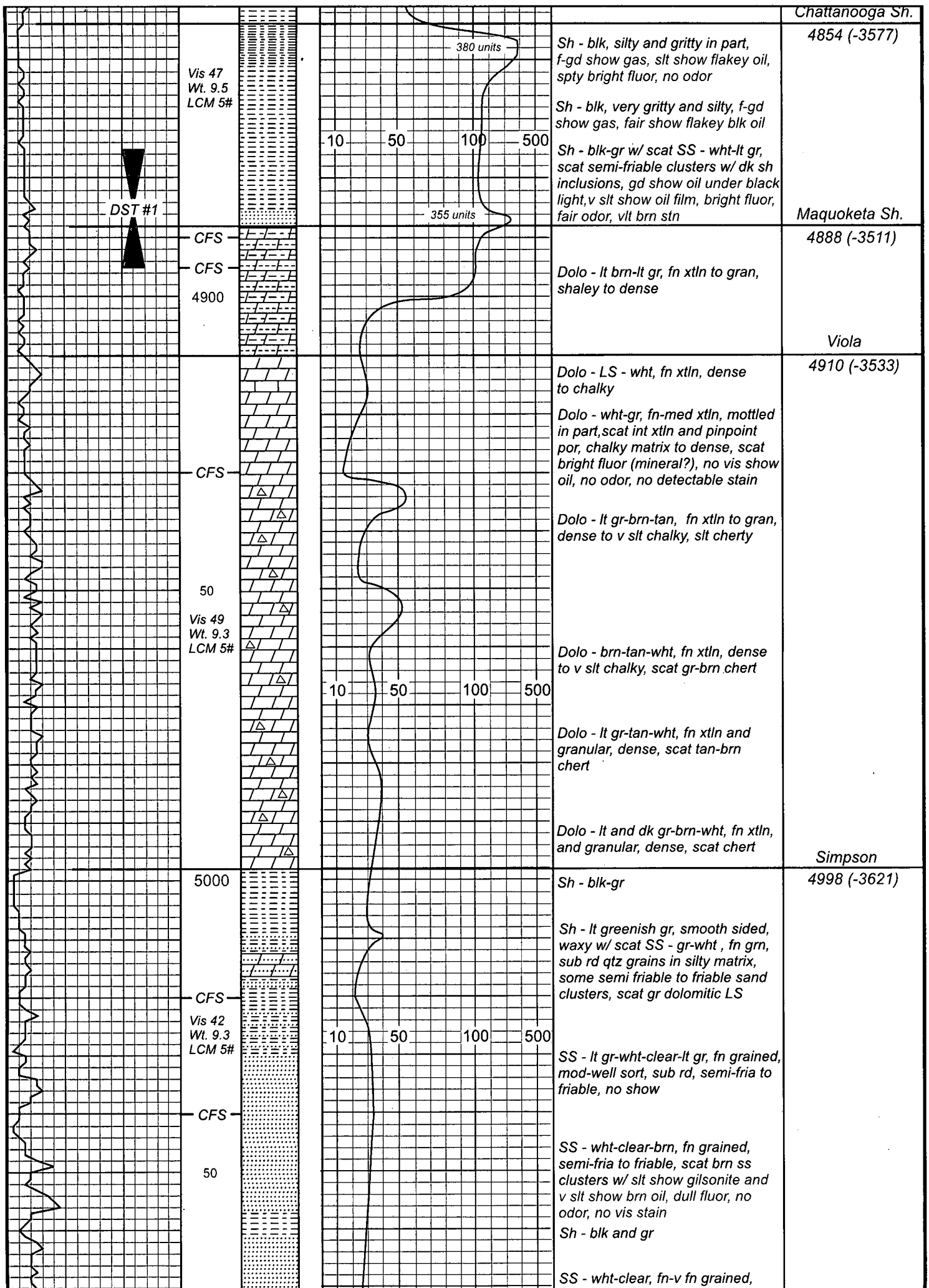
DST #1
4875-4895
45-60-45-60

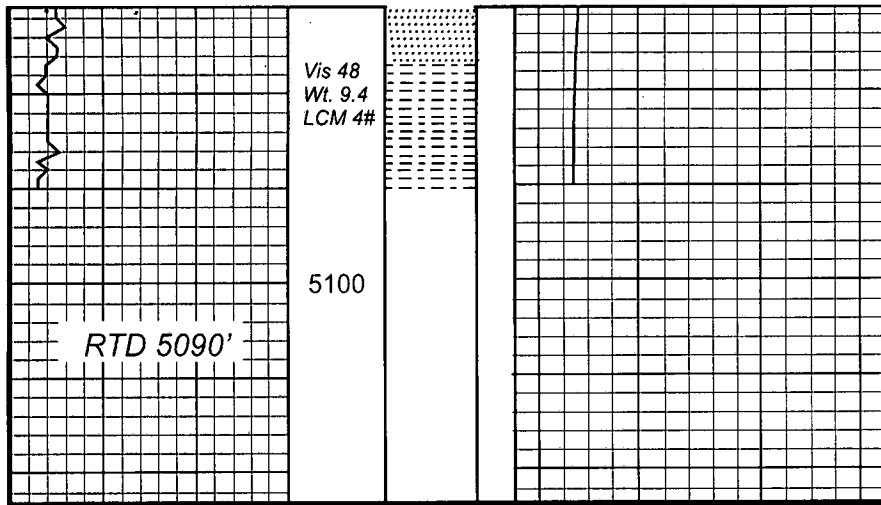
1st Open: Wk blow incr to OBB in 4 min - GTS 35 min - tstm

2nd Open: GTS imm
Gauged thru 1/8" ck
10 min - 7.2 MCF
20 min - 8.7 MCF
30 min - 9.8 MCF
40 min - 10.6 MCF
45 min - 11.0 MCF

Rec: 195' GOCM (30%g, 15%o, 55% m)

IFP: 55-58#
FFP: 53-94#
SIP: 1975-1975#
HP: 2482-2386#
BHT: 121 degrees

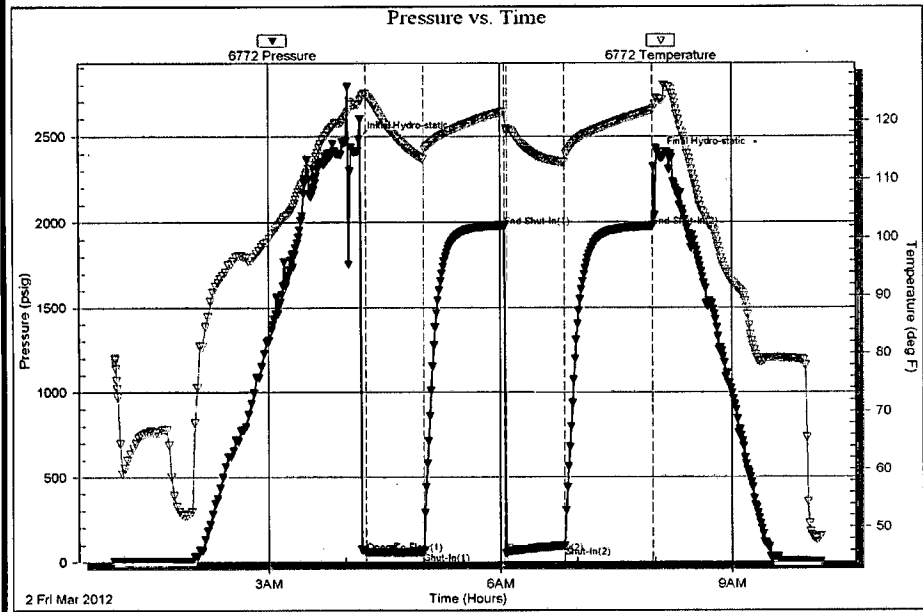




semi-mable, some quartzitic like,
slt glauconitic,

Sh - blk-gr, some green

Serial #: 6772 H-10 Exploration LLC. Medicine River Ranch DST Test Number: 1



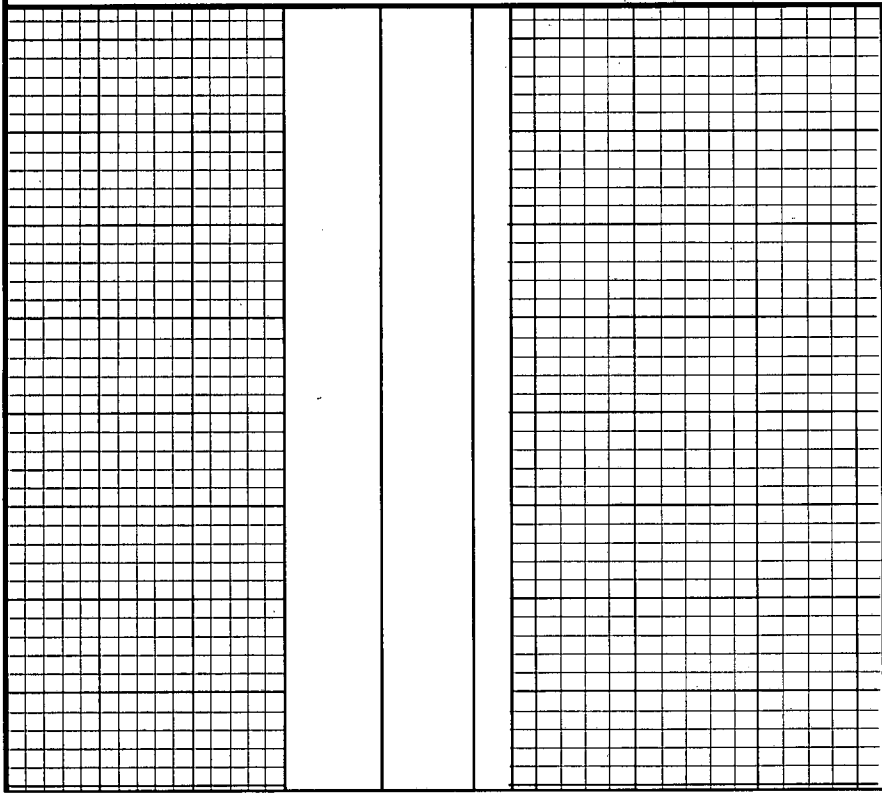
DST #1
4875-4895
45-60-45-60

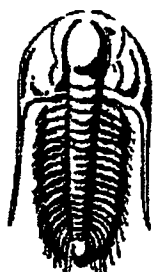
1st Open: Wk blow
incr to OBB in 4 min -
GTS 35 min - tstm

2nd Open: GTS imm
Gauged thru 1/8" ck
10 min - 7.2 MCF
20 min - 8.7 MCF
30 min - 9.8 MCF
40 min - 10.6 MCF
45 min - 11.0 MCF

Rec: 195' GOCM
(30%g, 15%o, 55%m)

IFP: 55-58#
FFP: 53-94#
SIP: 1975-1975#
HP: 2482-2386#
BHT: 121 degrees





**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

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

Box 195
Attica KS 67009

ATTN: Tim Pierce

Medicine River Ranch

10-34s-11w Barber,KS

Start Date: 2012.03.02 @ 01:00:00

End Date: 2012.03.02 @ 10:09:30

Job Ticket #: 41246 DST #: 1

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

ORIGINAL

Printed: 2012.03.09 @ 15:52:39

N-10 Exploration LLC.

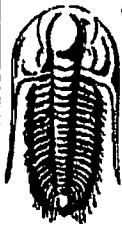
10-34s-11w Barber,KS

Medicine River Ranch

DST # 1

Melsner Sand

2012.03.02



TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

N-10 Exploration LLC.

10-34s-11w Barber,KS

Box 195
Attica KS 67009

Medicine River Ranch

ATTN: Tim Pierce

Job Ticket: 41246 DST#: 1

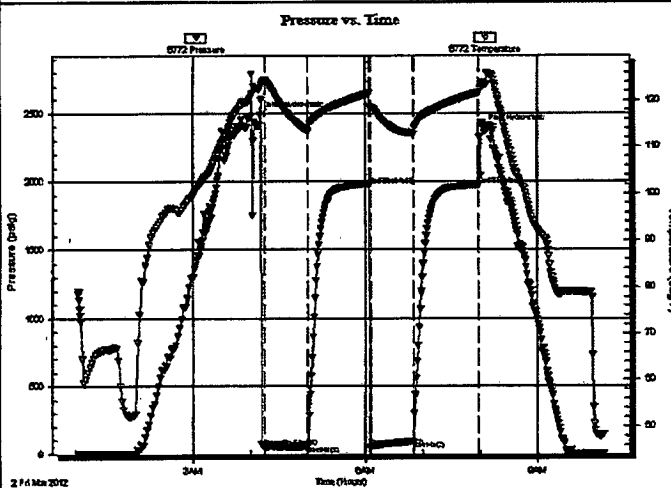
Test Start: 2012.03.02 @ 01:00:00

GENERAL INFORMATION:

Formation: Meisner Sand
 Deviated: No Whipstock: ft (KB)
 Test Type: Conventional Bottom Hole (Initial)
 Time Tool Opened: 04:15:15 Tester: Harley Davidson
 Time Test Ended: 10:09:30 Unit No: 58
 Interval: 4875.00 ft (KB) To 4895.00 ft (KB) (TVD) Reference Elevations: 1377.00 ft (KB)
 Total Depth: 4895.00 ft (KB) (TVD) 1367.00 ft (CF)
 Hole Diameter: 7.88 Inches Hole Condition: Fair KB to GR/CF: 10.00 ft

Serial #: 6772 Outside Capacity: 8000.00 psig
 Press@RunDepth: 93.84 psig @ 4877.00 ft (KB) Last Calib.: 2012.03.02
 Start Date: 2012.03.02 End Date: 2012.03.02 Time On Btm: 2012.03.02 @ 04:10:15
 Start Time: 01:00:05 End Time: 10:09:30 Time Off Btm: 2012.03.02 @ 08:03:15

TEST COMMENT: IF- Good building blow BOB 4 min GTS 35 min TSTM
 IS- No blow back
 FF- Strong blow BOB ASAO, GTS ASAO.
 FS- No blow back.



PRESSURE SUMMARY

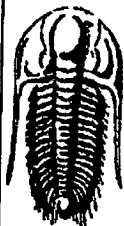
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2482.00	122.70	Initial Hydro-static
5	54.61	124.42	Open To Flow (1)
50	58.34	113.30	Shut-In(1)
113	1974.95	121.49	End Shut-In(1)
115	52.67	118.13	Open To Flow (2)
160	93.84	112.71	Shut-In(2)
228	1975.29	121.65	End Shut-In(2)
233	2385.81	123.51	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
195.00	15%oil 30%gas 55%mud	1.61

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
First Gas Rate	0.13	5.00	7.26
Last Gas Rate	0.13	14.00	10.63
Max. Gas Rate	0.13	14.00	10.63



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

N-10 Exploration LLC.

10-34s-11w Barber,KS

Box 195
Attica KS 67009

Medicine River Ranch

Job Ticket: 41246

DST#: 1

ATTN: Tim Pierce

Test Start: 2012.03.02 @ 01:00:00

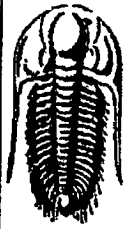
Tool Information

Drill Pipe:	Length: 4759.00 ft	Diameter: 3.80 inches	Volume: 66.76 bbl	Tool Weight: 2000.00 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: 123.00 ft	Diameter: 2.25 inches	Volume: 0.60 bbl	Weight to Pull Loose: 120000.0 lb
			Total Volume: 67.36 bbl	Tool Chased 0.00 ft
Drill Pipe Above KB:	30.00 ft			String Weight: Initial 75000.00 lb
Depth to Top Packer:	4875.00 ft			Final 75000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	20.00 ft			
Tool Length:	43.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			4853.00	
Shut In Tool	5.00			4858.00	
Hydraulic tool	5.00			4863.00	
Safety Joint	3.00			4866.00	
Packer	5.00			4871.00	23.00 Bottom Of Top Packer
Packer	4.00			4875.00	
Stubb	1.00			4876.00	
Perforations	1.00			4877.00	
Recorder	0.00	8355	Inside	4877.00	
Recorder	0.00	6772	Outside	4877.00	
Perforations	15.00			4892.00	
Bullnose	3.00			4895.00	20.00 Bottom Packers & Anchor
Total Tool Length:	43.00				



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

N-10 Exploration LLC.

10-34s-11w Barber, KS

Box 195
Attica KS 67009

Medicine River Ranch

Job Ticket: 41246

DST#: 1

ATTN: Tim Pierce

Test Start: 2012.03.02 @ 01:00:00

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:	bbbl		
Water Loss:	9.16 in ³	Gas Cushion Type:			
Resistivity:	ohm.m	Gas Cushion Pressure:	psig		
Salinity:	4000.00 ppm				
Filter Cake:	inches				

Recovery Information

Recovery Table

Length ft	Description	Volume bbbl
195.00	15%oil 30%gas 55%mud	1.615

Total Length: 195.00 ft Total Volume: 1.615 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.

10-34s-11w Barber,KS

Box 195
Attica KS 67009

Medicine River Ranch

Job Ticket: 41246

DST#: 1

ATTN: Tim Pierce

Test Start: 2012.03.02 @ 01:00:00

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)
2	10	0.13	5.00	7.26
2	10	0.13	5.00	7.26
2	20	0.13	9.00	8.76
2	30	0.13	12.00	9.88
2	40	0.13	14.00	10.63

