

Timothy G. Pierce

Petroleum Geologist

GEOLOGIST'S REPORT

DRILLING TIME AND SAMPLE LOG

COMPANY <u>N-10 Exploration, LLC</u>		ELEVATIONS	
LEASE <u>Medicine River Ranch 'D' #5</u>		KB <u>1354'</u>	
FIELD <u>Landis</u>		DF <u> </u>	
LOCATION <u>1980' FNL & 1855' FWL</u>		GL <u>1344'</u>	
SEC <u>10</u> TWP <u>34S</u> RGE <u>11W</u>		Measurements Are All From <u>Kelly Bushing</u>	
COUNTY <u>Barber</u> STATE <u>Kansas</u>			
CONTRACTOR <u>Hardt Drilling Rig #1</u>		CASING	
SPUD <u>4-23-2012</u> COMP <u>5-01-2012</u>		CONDUCTOR <u> </u>	
RTD <u>4891</u> LTD <u>4892</u>		SURFACE <u>8-5/8"</u> at <u>256'</u>	
MUD UP <u>3000</u> TYPE MUD <u>Chemical</u>		PRODUCTION <u>5-1/2"</u> at <u>4857'</u>	
SAMPLES SAVED FROM <u>4000</u> TO <u>RTD</u>		ELECTRICAL	
DRILLING TIME KEPT FROM <u>4000</u> TO <u>RTD</u>		SURVEYS	
SAMPLES EXAMINED FROM <u>4000</u> TO <u>RTD</u>		DIL / CN-CD	
GEOLOGICAL SUPERVISION FROM <u>4171'</u> to <u>RTD</u>		Log-Tech <u> </u>	
GEOLOGIST ON WELL <u>Tim Pierce</u>			
FORMATION TOPS	ELECTRIC LOG	SAMPLE	
Heebner Sh.	3587 (-2233)	NA	
Stark Sh.	4276 (-2922)	4275 (-2921)	
Cherokee Sh.	4493 (-3139)	4492 (-3138)	
Mississippi	4531 (-3177)	4536 (-3182)	
Kinderhook Sh.	4734 (-3380)	4734 (-3380)	
Chattanooga Sh.	4818 (-3464)	4816 (-3462)	
Viola	4861 (-3507)	4865 (-3511)	

API # 15-007-23,858

REMARKS Samples and electric logs indicate a productive zone in the Mississippi from 4540'-4600'.

The Cherokee Sand from 4521'-4526' carried a show of oil, this zone should be perforated and treated before this well is abandoned.

The Pawnee LS from 4450'-4453' carried a gas kick, however no sample show was observed, this zone should be considered

The Hushpuckney shale at 4306'-4312' carried a slight show of gas and oil, and the black shale at 4088'-4095' carried a show of gas

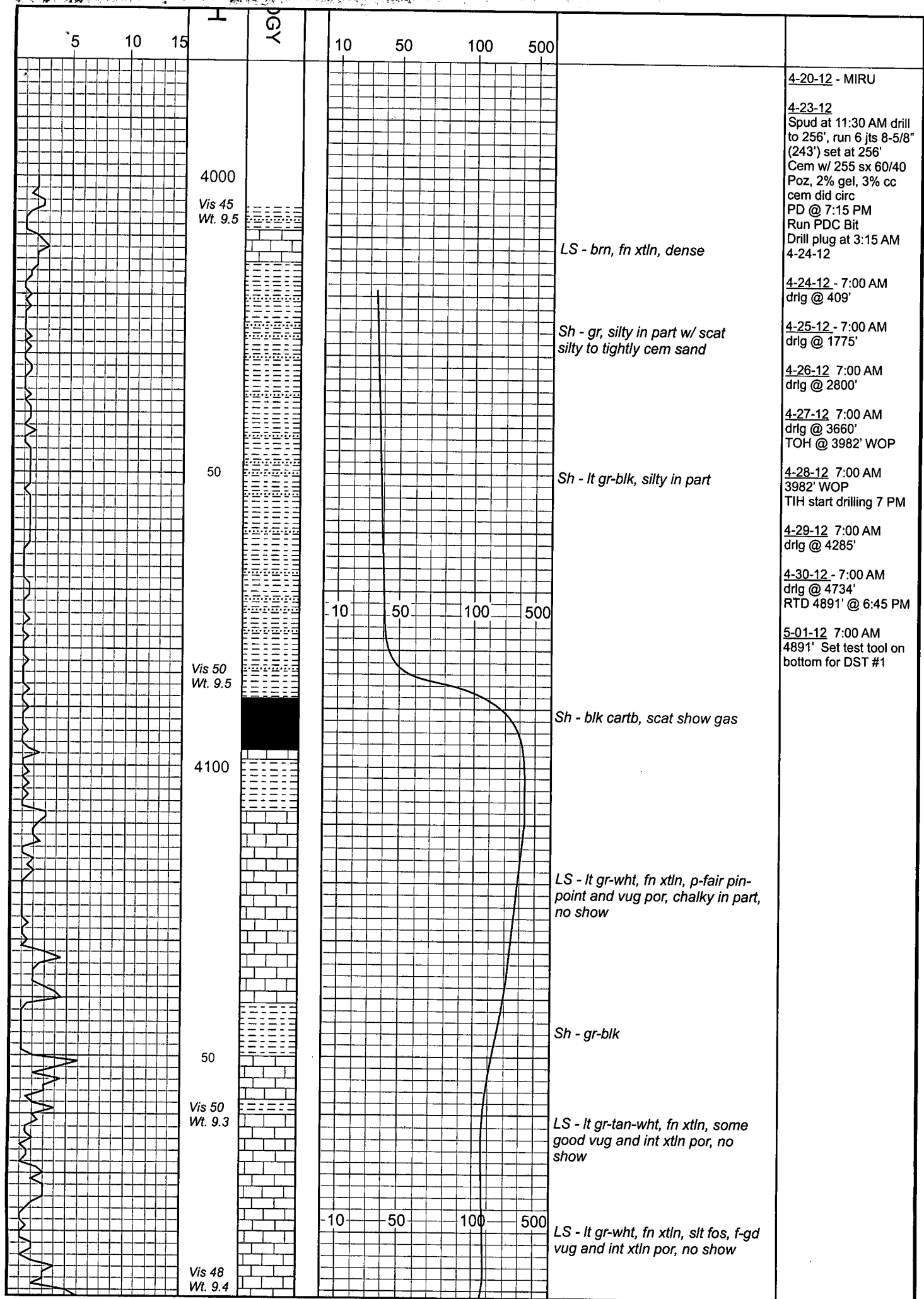
A gas increase was noted in the Indian Cave section from 2582'-2600', electric logs indicate this zone could be gas productive.

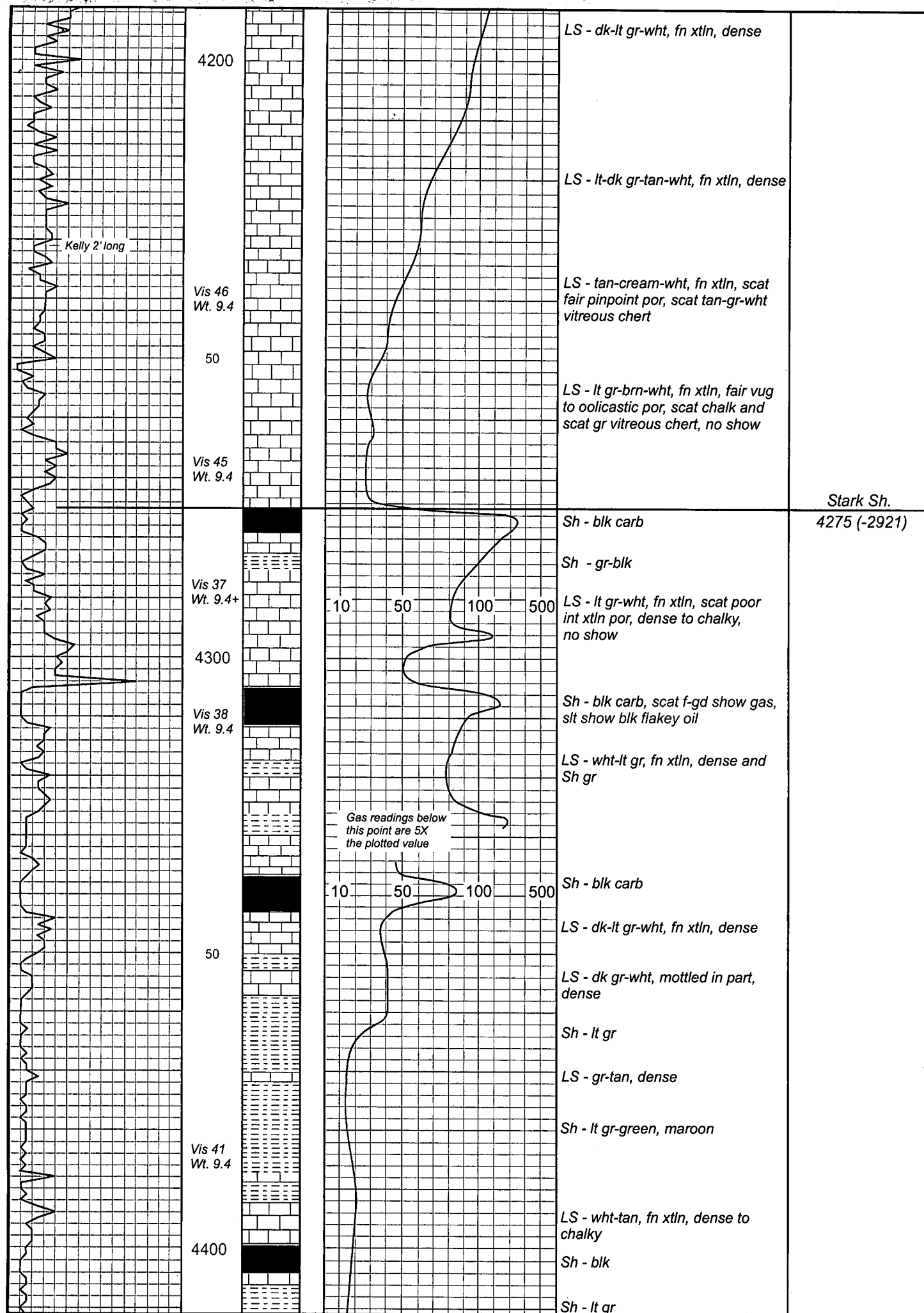
A slight show was noted in the Meisner section, this interval was evaluated by DST after electric logs were run.

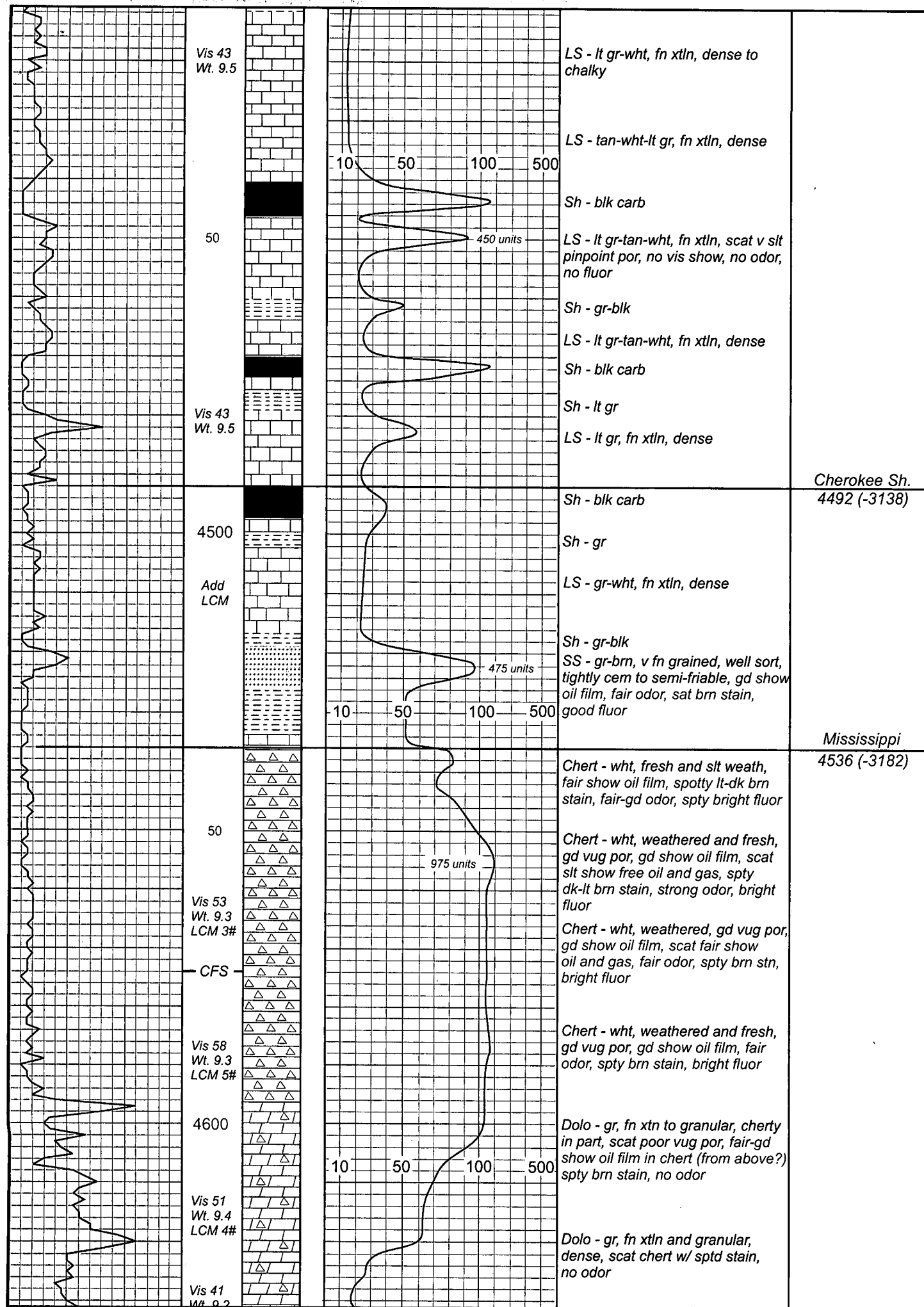
There were no other zones of interest indicated by samples or electric logs

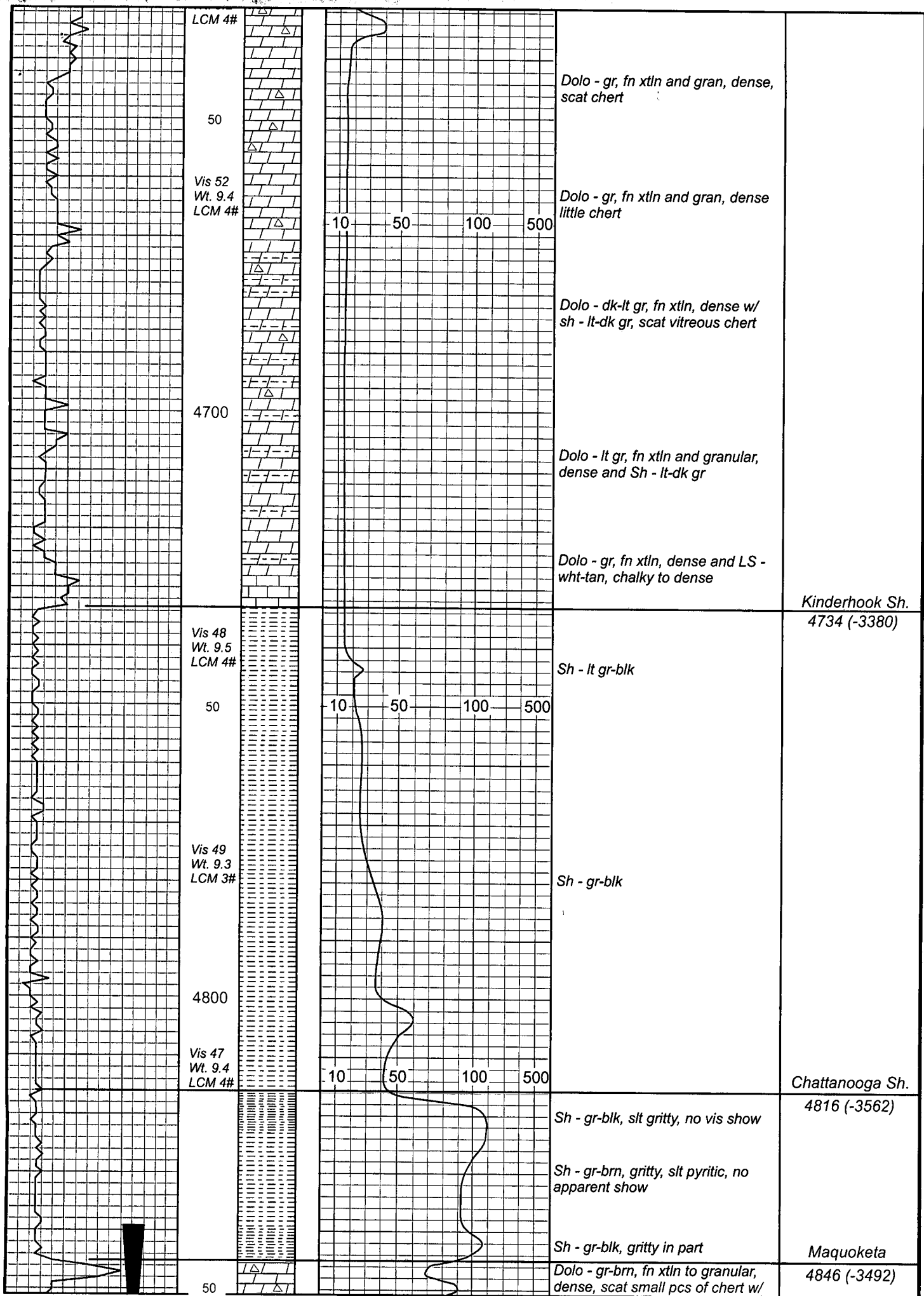
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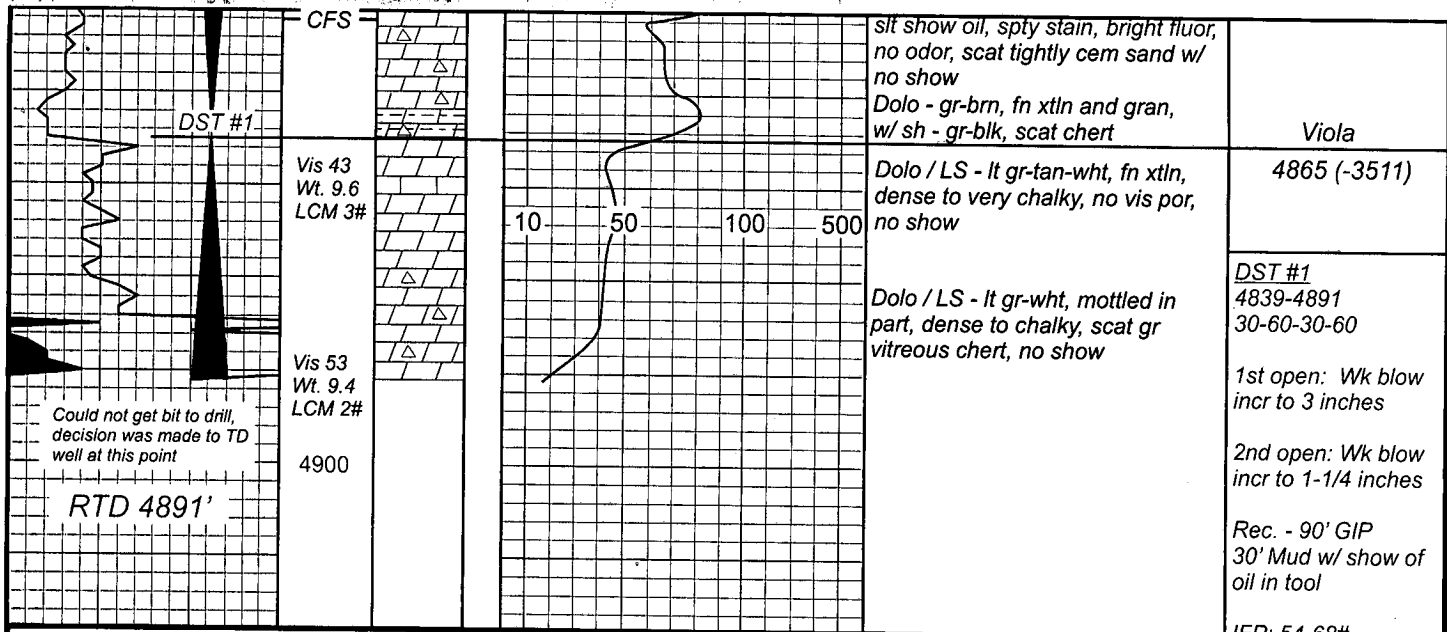
LEGEND				
				
Anhydrite	Sandstone	Limestone	Shale	Carb Sh
				
Cherty LS	Chert	Dolomite		
DRILLING TIME IN MINUTES PER FOOT Rate of Penetration Decreases ↓	DEPT	LITHOLOGY	GAS SCALE	SAMPLE DESCRIPTION
REMARKS				



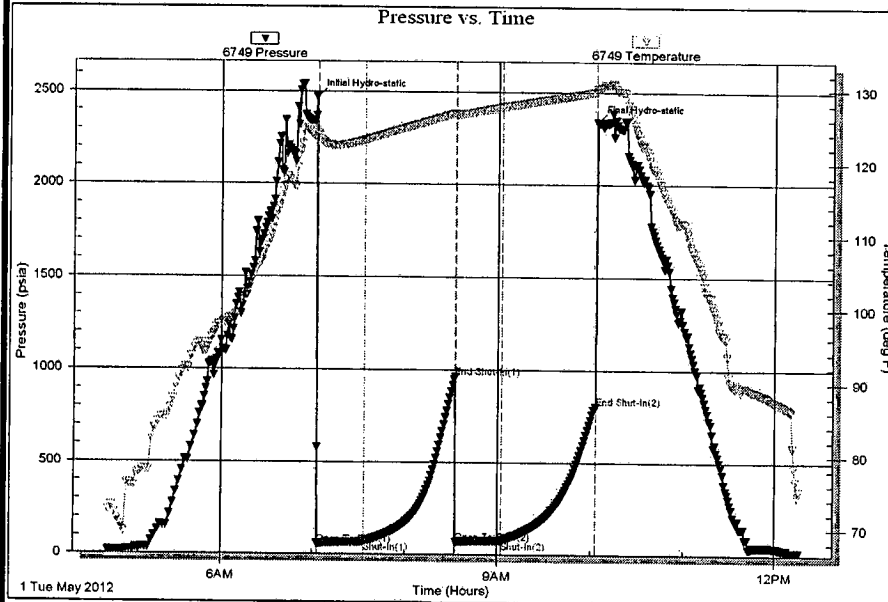








Serial #: 6749 Inside N-10 Exploration LLC Medicine River Ran D5 DST Test Number: 1



DST #1
4839-4891
30-60-30-60

1st open: Wk blow
incr to 3 inches

2nd open: Wk blow
incr to 1-1/4 inches

Rec. - 90' GIP
30' Mud w/ show of
oil in tool

IFP: 54-68#
FFP: 68-75#
SIP: 962-805#
HP: 2468-2335#
BHT: 130 degrees