

# Timothy G. Pierce

## Petroleum Geologist

### GEOLOGIST'S REPORT

#### DRILLING TIME AND SAMPLE LOG

|                                                       |                     |                                                                |  |
|-------------------------------------------------------|---------------------|----------------------------------------------------------------|--|
| COMPANY <u>R &amp; B Oil and Gas, Inc.</u>            |                     | ELEVATIONS                                                     |  |
| LEASE <u>Fullerton 'A' #1</u>                         |                     | KB <u>1327'</u>                                                |  |
| FIELD <u>Wildcat</u>                                  |                     | DF _____                                                       |  |
| LOCATION <u>SE SW</u>                                 |                     | GL <u>1318'</u>                                                |  |
| SEC <u>27</u> TWSP <u>34S</u> RGE <u>10W</u>          |                     | Measurements Are All<br>From <u>Kelly Bushing</u>              |  |
| COUNTY <u>Barber</u> STATE <u>Kansas</u>              |                     |                                                                |  |
| CONTRACTOR <u>Landmark Drilling Rig #6</u>            |                     |                                                                |  |
| SPUD <u>8-18-2011</u> COMP <u>8-29-2011</u>           |                     | CASING                                                         |  |
| RTD <u>5311</u> LTD <u>5306</u>                       |                     | CONDUCTOR _____                                                |  |
| MUD UP <u>3165</u> TYPE MUD <u>Chemical</u>           |                     | SURFACE <u>8-5/8" at 270'</u>                                  |  |
| SAMPLES SAVED FROM <u>4200</u> TO <u>RTD</u>          |                     | PRODUCTION <u>None</u>                                         |  |
| DRILLING TIME KEPT FROM <u>2500</u> TO <u>RTD</u>     |                     | ELECTRICAL<br>SURVEYS<br><u>DIL / CN-CD</u><br><u>Log-Tech</u> |  |
| SAMPLES EXAMINED FROM <u>4200</u> TO <u>RTD</u>       |                     |                                                                |  |
| GEOLOGICAL SUPERVISION FROM <u>4100</u> to <u>RTD</u> |                     |                                                                |  |
| GEOLOGIST ON WELL <u>Tim Pierce</u>                   |                     |                                                                |  |
| FORMATION TOPS                                        | ELECTRIC LOG        | SAMPLE                                                         |  |
| <u>Onaga Sh.</u>                                      | <u>2568 (-1241)</u> | <u>2576 (-1249)</u>                                            |  |
| <u>Heebner Sh.</u>                                    | <u>3606 (-2279)</u> | <u>3610 (-2283)</u>                                            |  |
| <u>Iatan L.S.</u>                                     | <u>3876 (-2549)</u> | <u>3858 (-2531)</u>                                            |  |
| <u>Stark Sh.</u>                                      | <u>4348 (-3021)</u> | <u>4352 (-3025)</u>                                            |  |
| <u>Cherokee Sh.</u>                                   | <u>4597 (-3270)</u> | <u>4596 (-3269)</u>                                            |  |
| <u>Mississippi</u>                                    | <u>4712 (-3385)</u> | <u>4713 (-3386)</u>                                            |  |
| <u>Viola</u>                                          | <u>5112 (-3785)</u> | <u>5116 (-3789)</u>                                            |  |
| <u>Simpson</u>                                        | <u>5212 (-3885)</u> | <u>5212 (-3885)</u>                                            |  |

REMARKS Sample quality throughout the entire well was very poor, samples of individual zones were nearly impossible to distinguish and therefore difficult to evaluate. Lithology on this log is based on drill time and electric log comparison of offset wells. Electric logs indicate the top porosity zone of the Mississippi is absent when compared to the Dale #1 in Sec. 34 to the South, which is believed to be the productive interval in that well.

Shows of gas and oil in the Chattanooga and Maquoketa were the only sample shows observed, electric logs indicate a lack of reservoir development in these zones, therefore it has been recommended to plug and abandon the Fullerton 'A' #1 as a dry hole.

Timothy G. Pierce

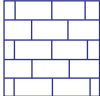
### LEGEND



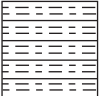
Anhydrite



Sandstone



Limestone



Shale



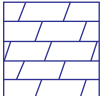
Carb Sh



Cherty LS



Chert



Dolomite

DRILLING TIME IN MINUTES PER FOOT  
Rate of Penetration Decreases  
→

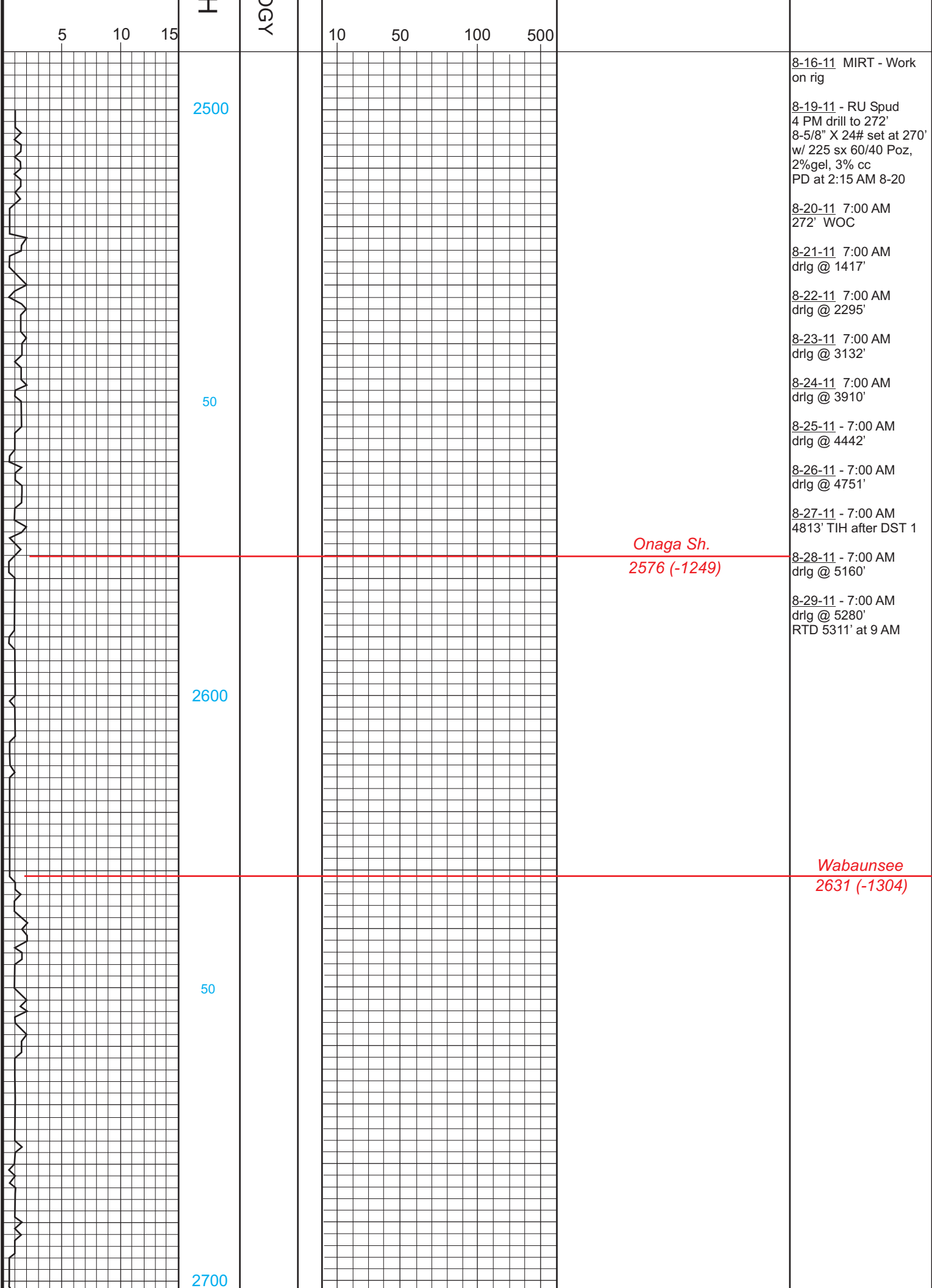
DEPTH

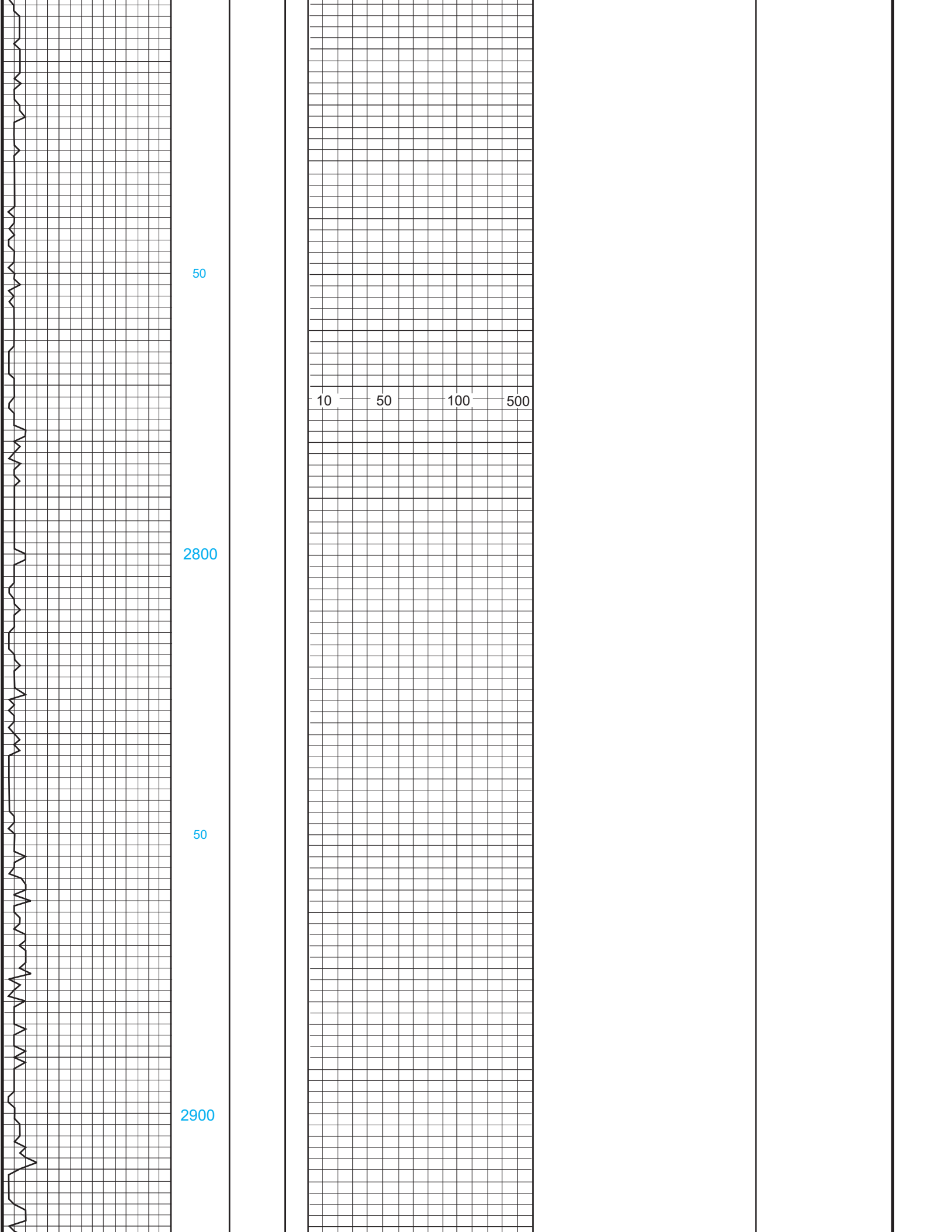
LITHOLOG

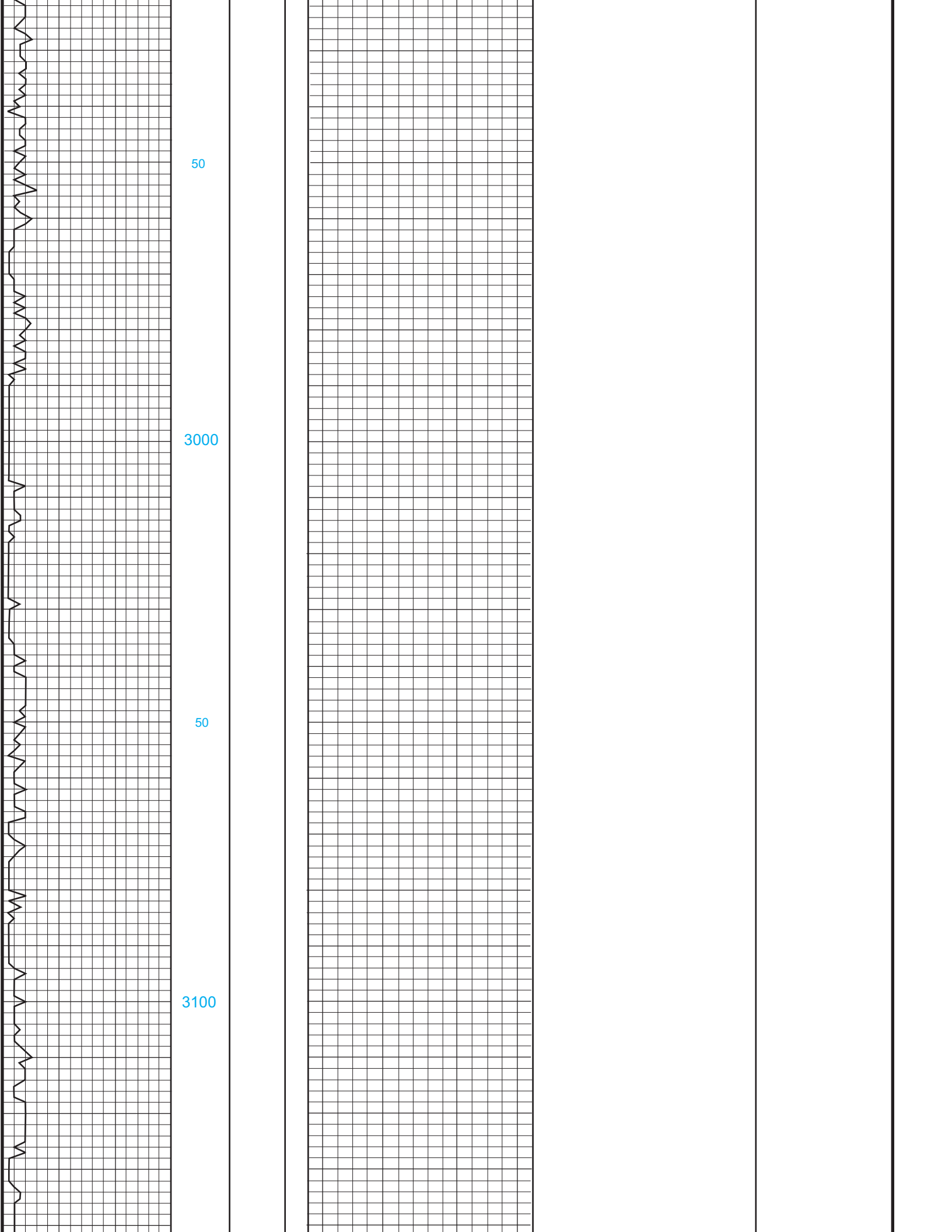
GAS SCALE

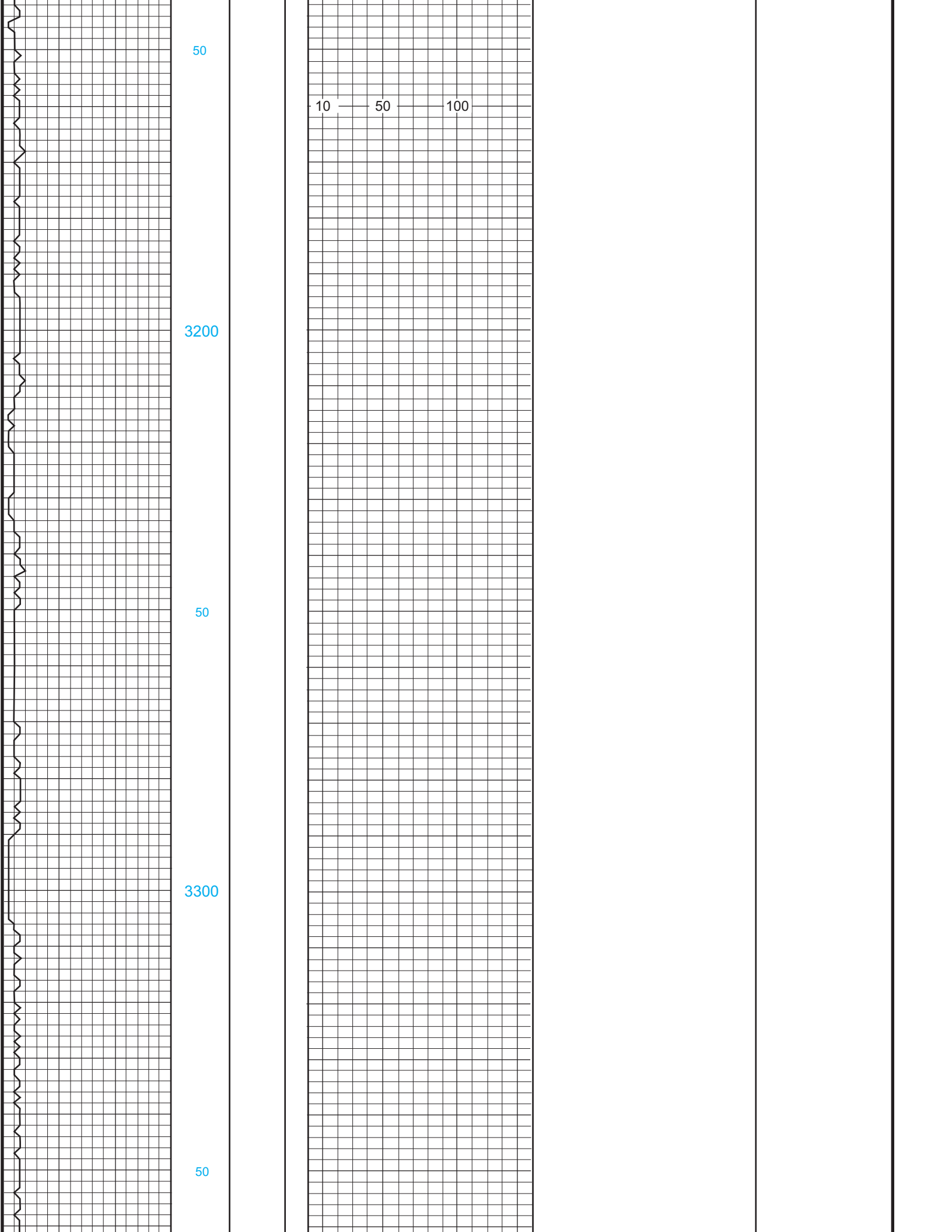
SAMPLE DESCRIPTION

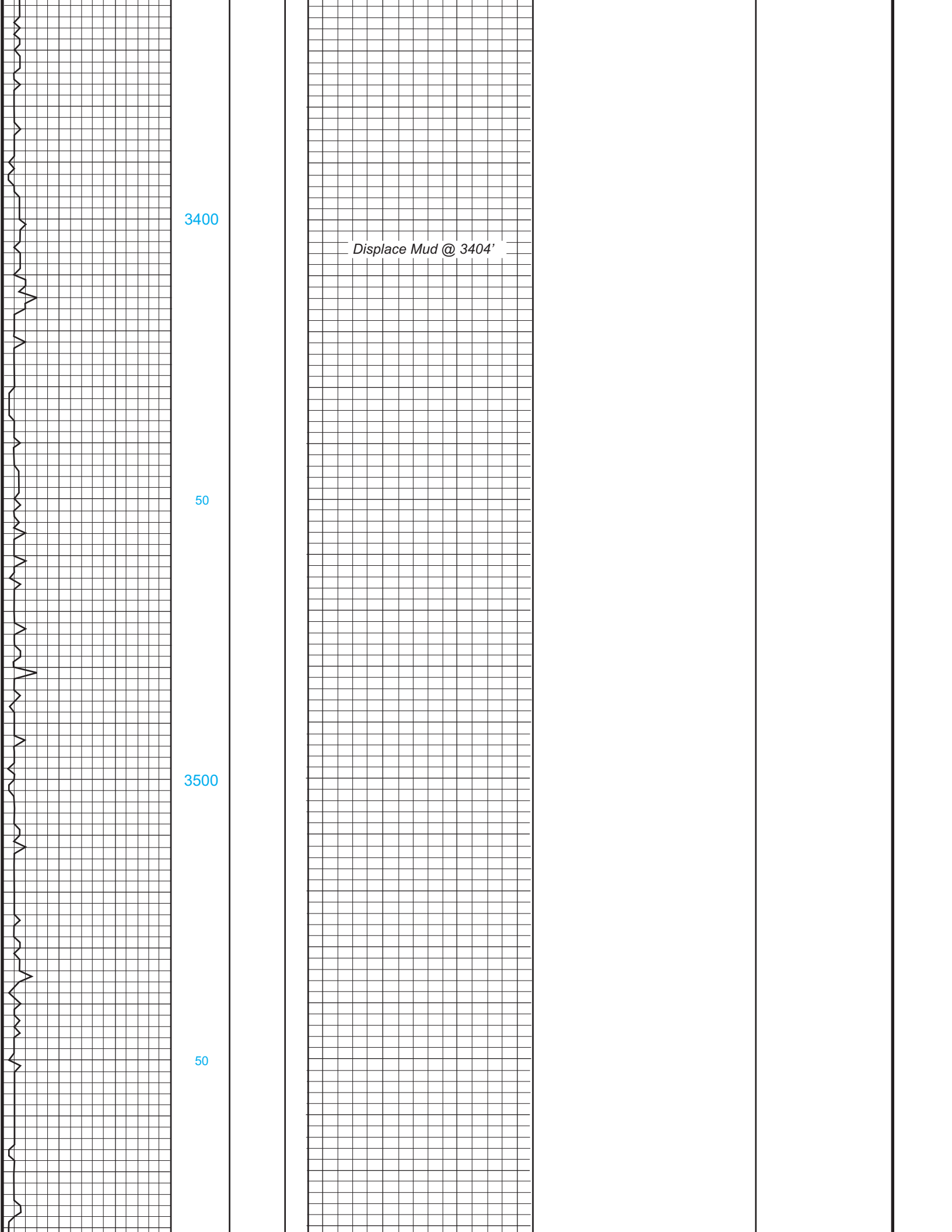
REMARKS

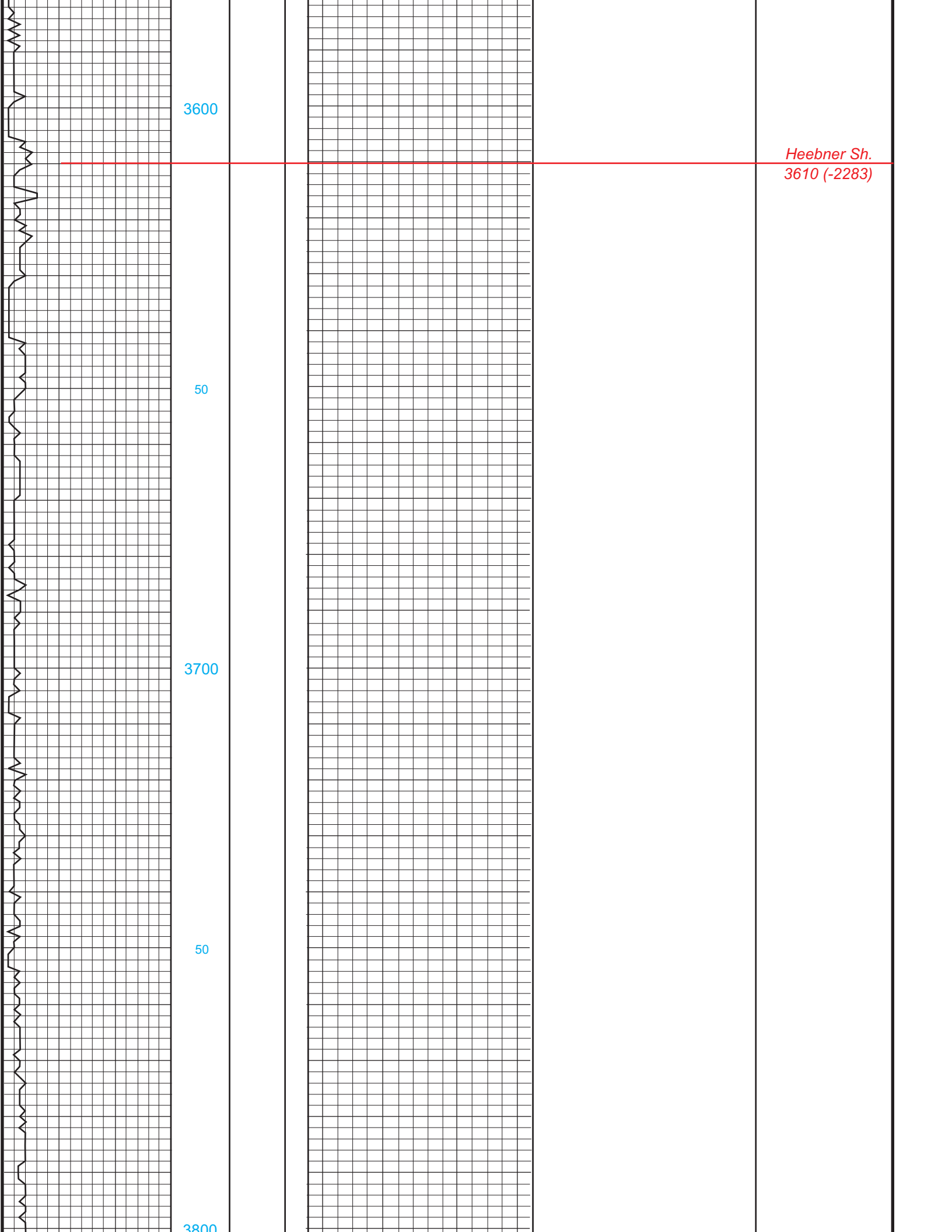


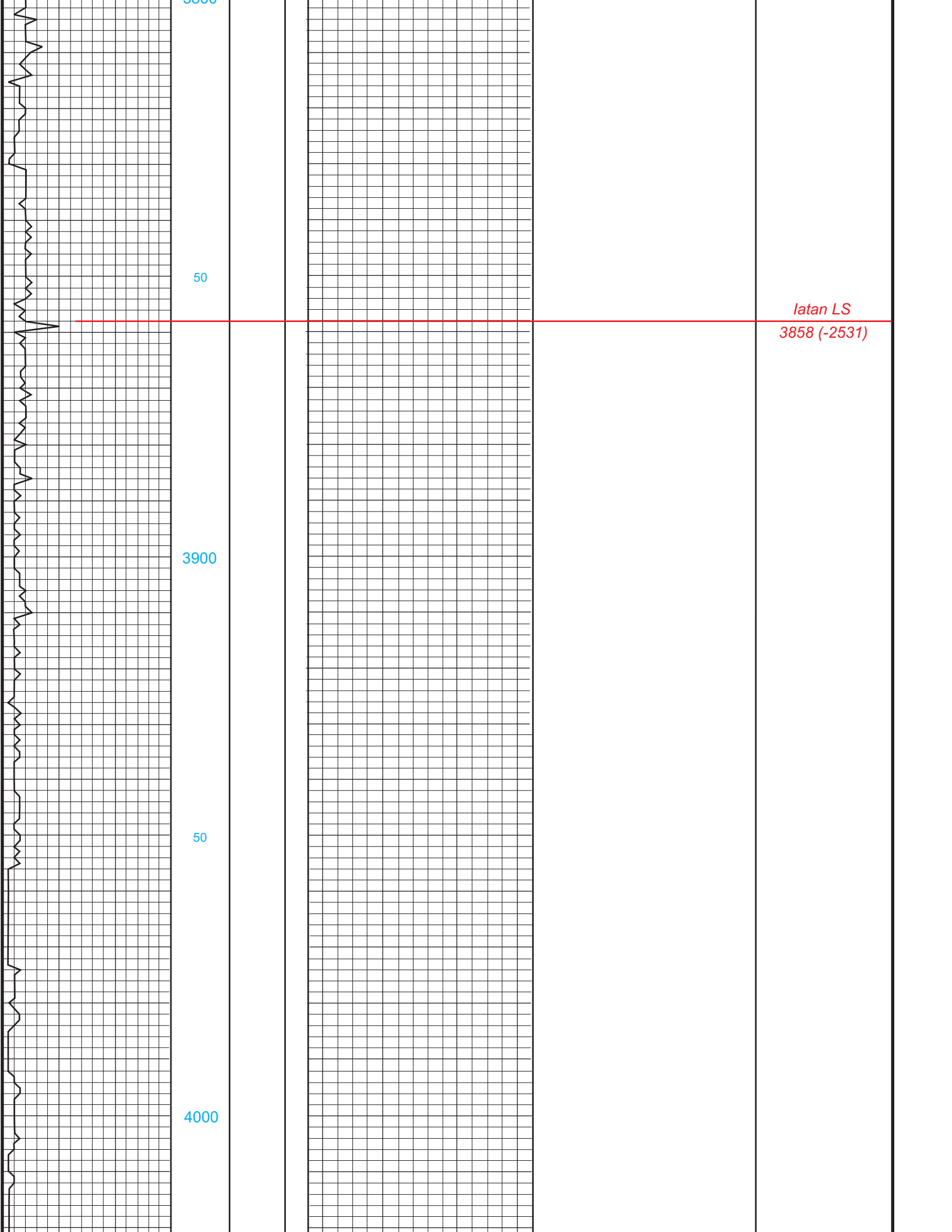


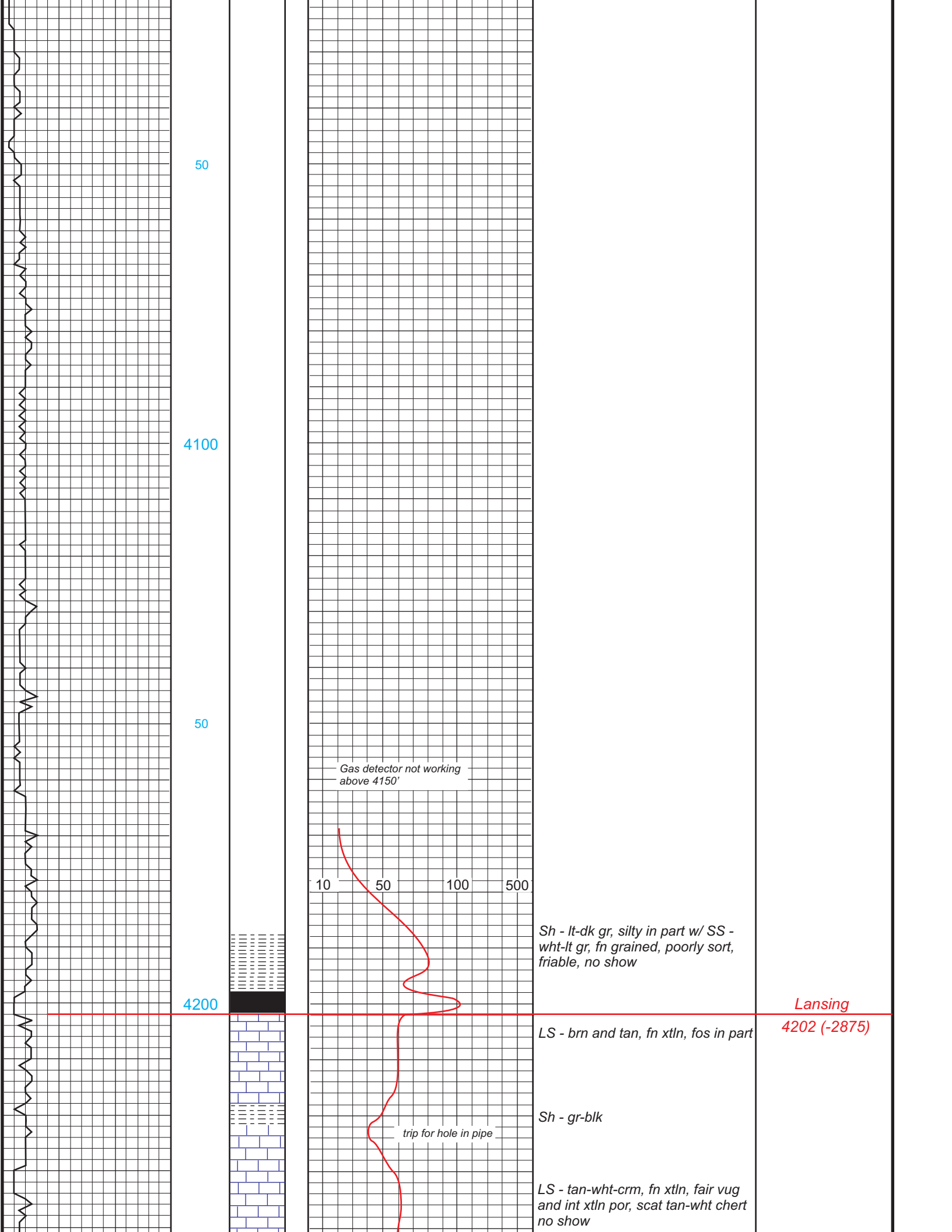


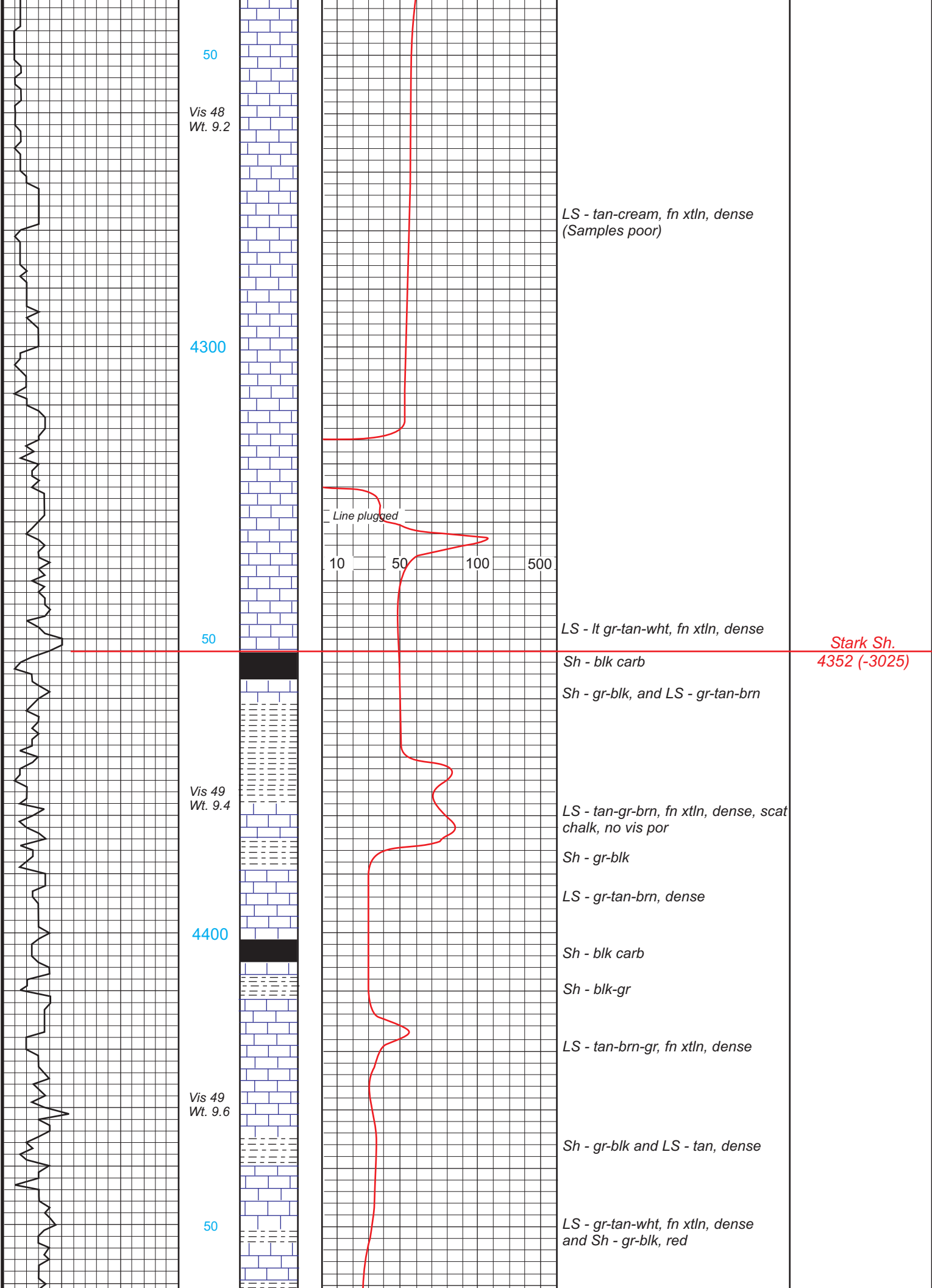


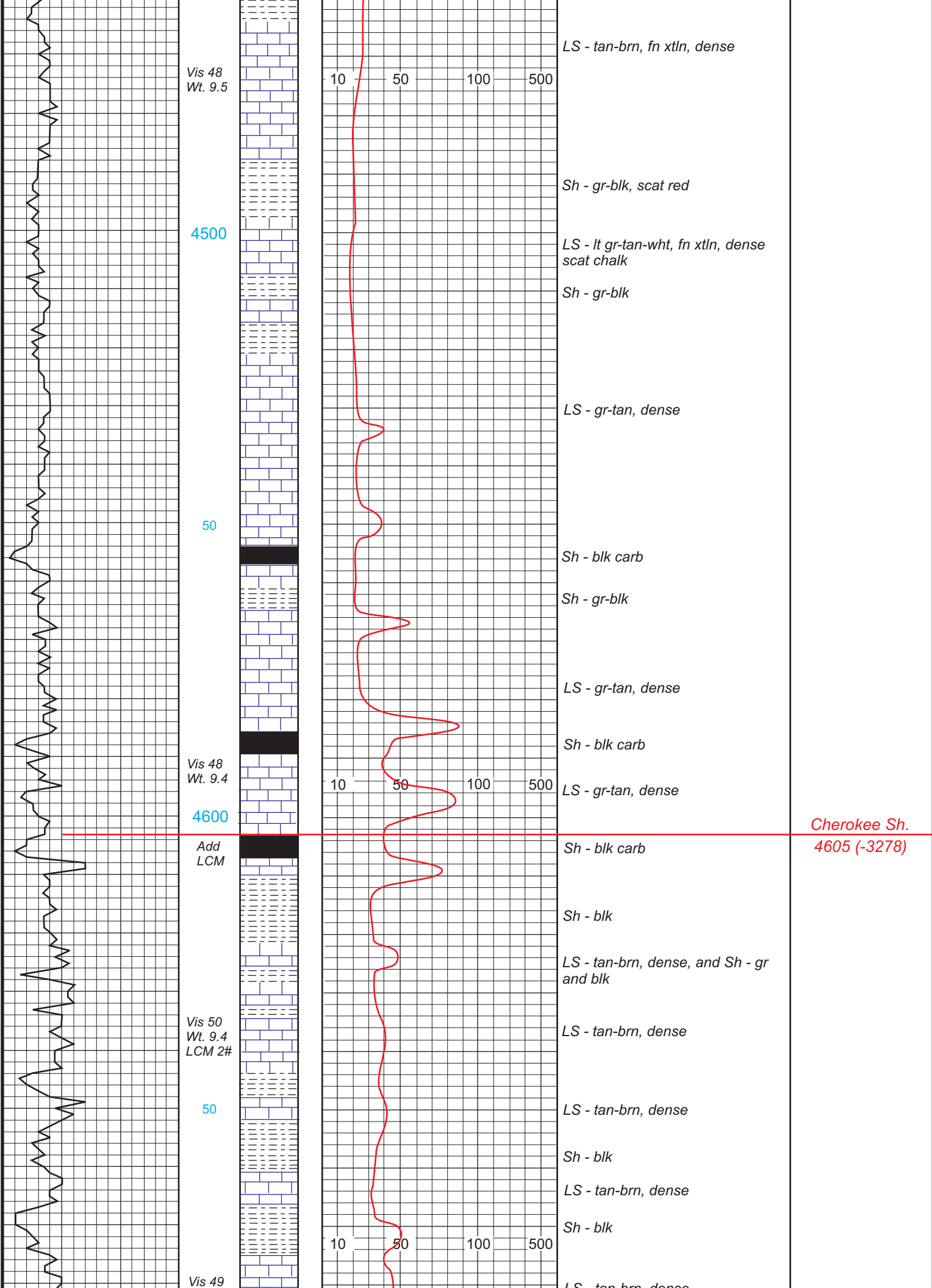


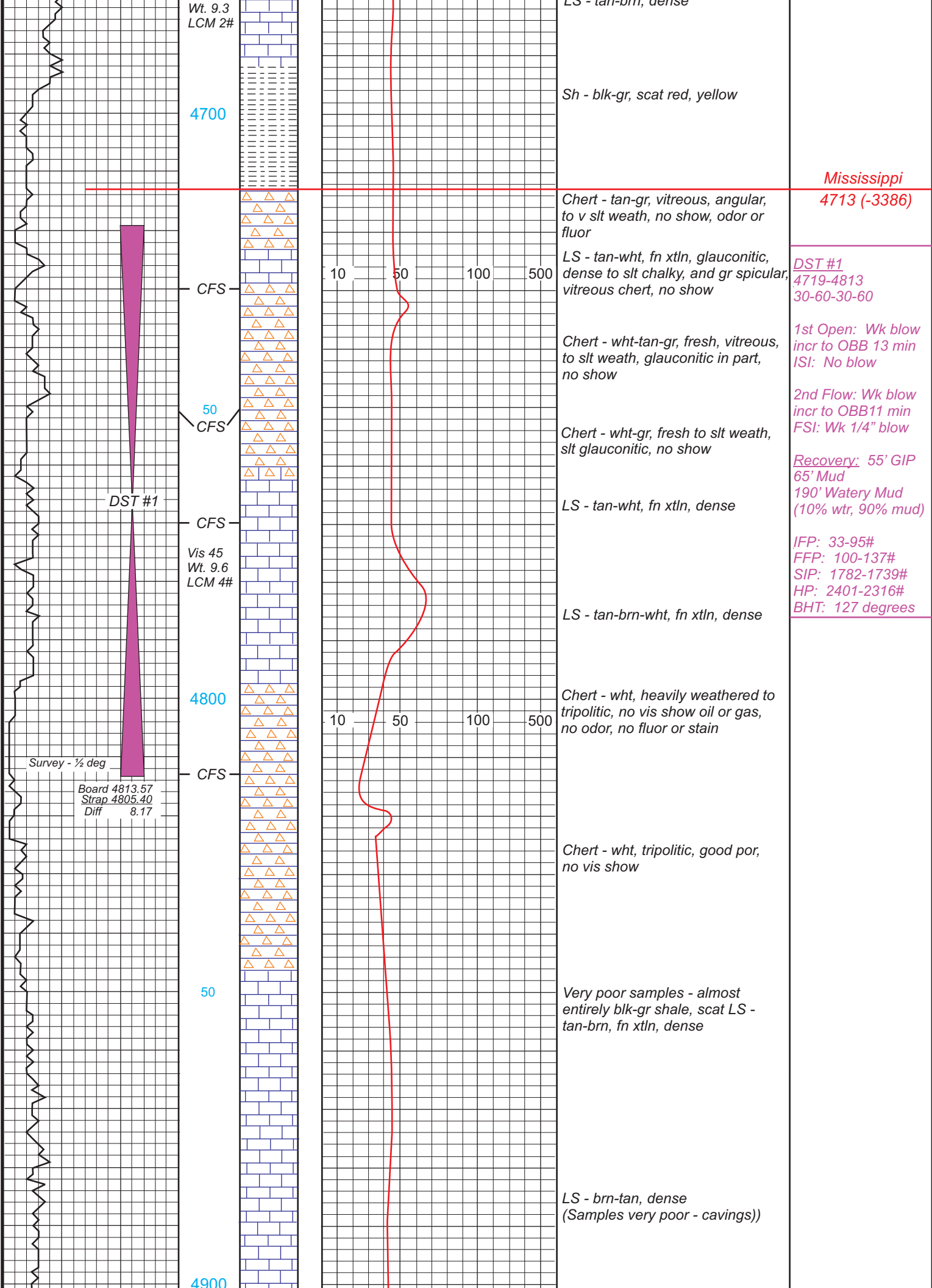


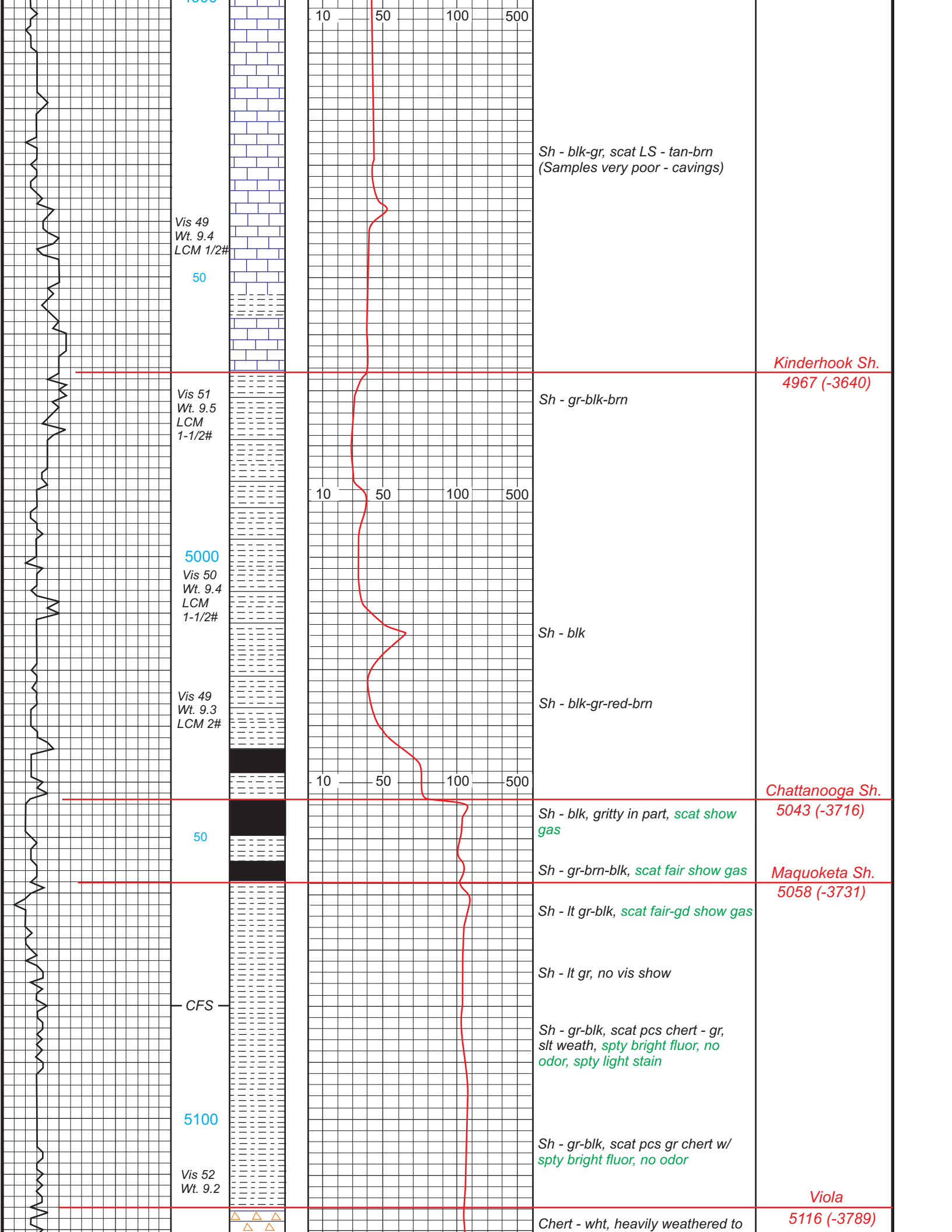


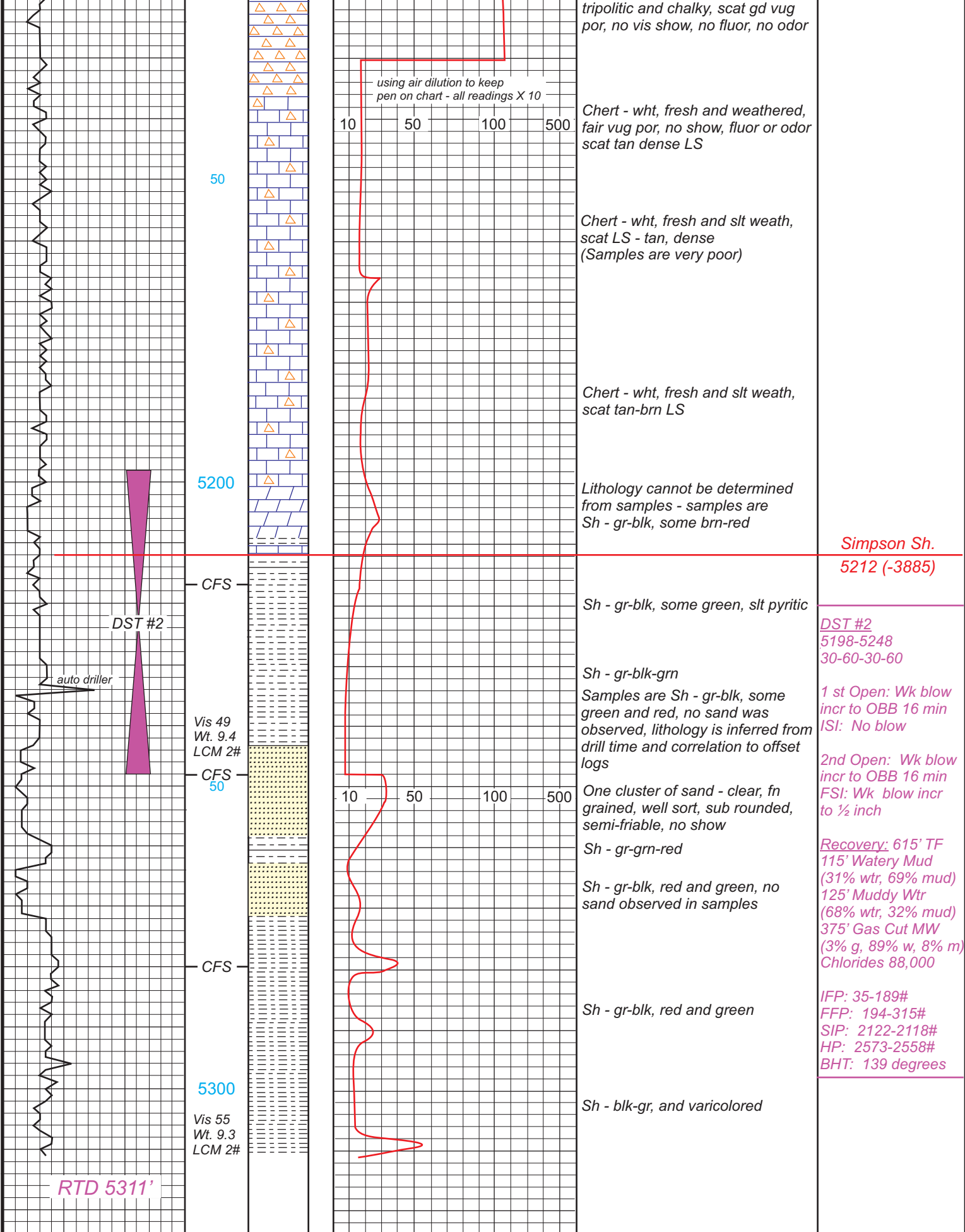




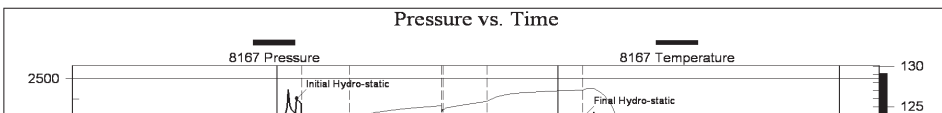






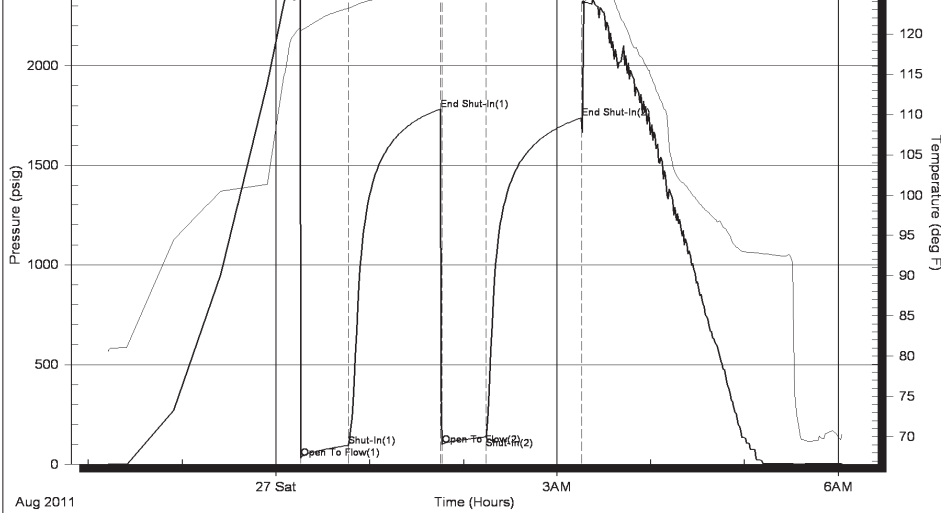


Serial # 8167    Inside    R & B Oil & Gas Inc.    27-34s-10w Barber Ks    DST Test Number: 1

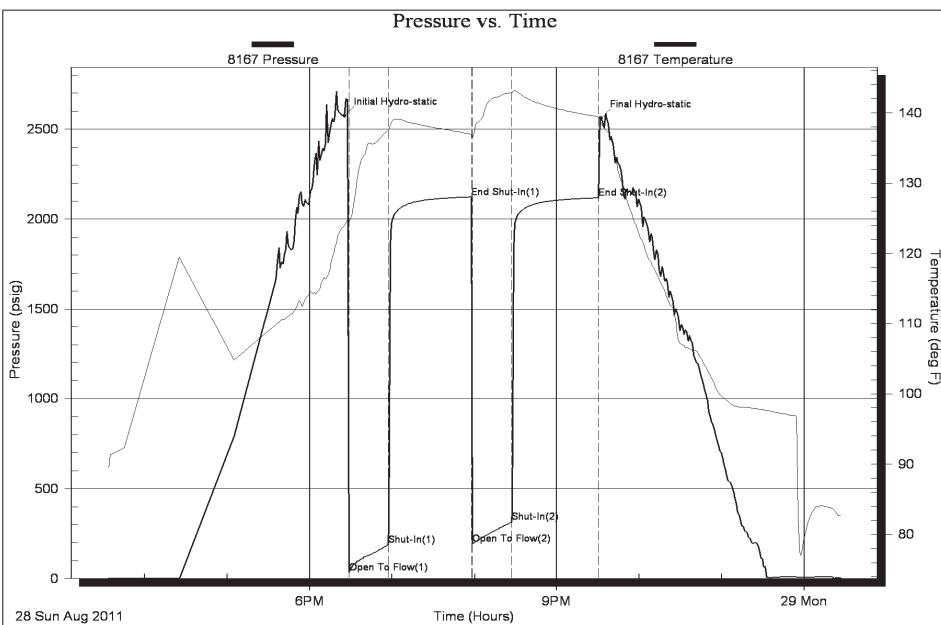


DST #1  
4719-4813  
20 60 20 60

IFP: 33-95#  
FFP: 100-137#  
SIP: 1782-1739#  
HP: 2401-2316#  
BHT: 127 degrees



|                |        |                      |                      |                    |
|----------------|--------|----------------------|----------------------|--------------------|
| Serial #: 8167 | Inside | R & B Oil & Gas Inc. | 27-34s-10w Barber Ks | DST Test Number: 2 |
|----------------|--------|----------------------|----------------------|--------------------|



IFP: 35-189#  
FFP: 194-315#  
SIP: 2122-2118#  
HP: 2573-2558#  
BHT: 139 degrees

