

| | | | | | | | | | | | | | | |
|-----|----|------|-----|---|-----|----|-----|------------|----|-----|-----------|----|-----|------|
| ONE | TD | 4000 | REC | 0 | 150 | 30 | -10 | 47.0 us/ft | 30 | -10 | 2.77 g/cc | 30 | -10 | LIML |
|-----|----|------|-----|---|-----|----|-----|------------|----|-----|-----------|----|-----|------|

DIRECTIONAL INFORMATION

Maximum Deviation @ KOP @

Remarks:

GTET-DSNT-SDLT-BSAT-ACRT RUN IN COMBINATION
 ANNULAR HOLE VOLUME CALCULATED FOR 5.5 INCH CASING
 CHLORIDES REPORTED AT 1600 PPM

HALLIBURTON DOES NOT GUARANTEE THE ACCURACY OF ANY INTERPRETATION OF THE LOG DATA, CONVERSION OF LOG DATA TO PHYSICAL ROCK PARAMETERS OR RECOMMENDATIONS WHICH MAY BE GIVEN BY HALLIBURTON PERSONNEL OR WHICH APPEAR ON THE LOG OR IN ANY OTHER FORM. ANY USER OF SUCH DATA, INTERPRETATIONS, CONVERSIONS, OR RECOMMENDATIONS AGREES THAT HALLIBURTON IS NOT RESPONSIBLE EXCEPT WHERE DUE TO GROSS NEGLIGENCE OR WILLFUL MISCONDUCT, FOR ANY LOSS, DAMAGES, OR EXPENSES RESULTING FROM THE USE THEREOF.

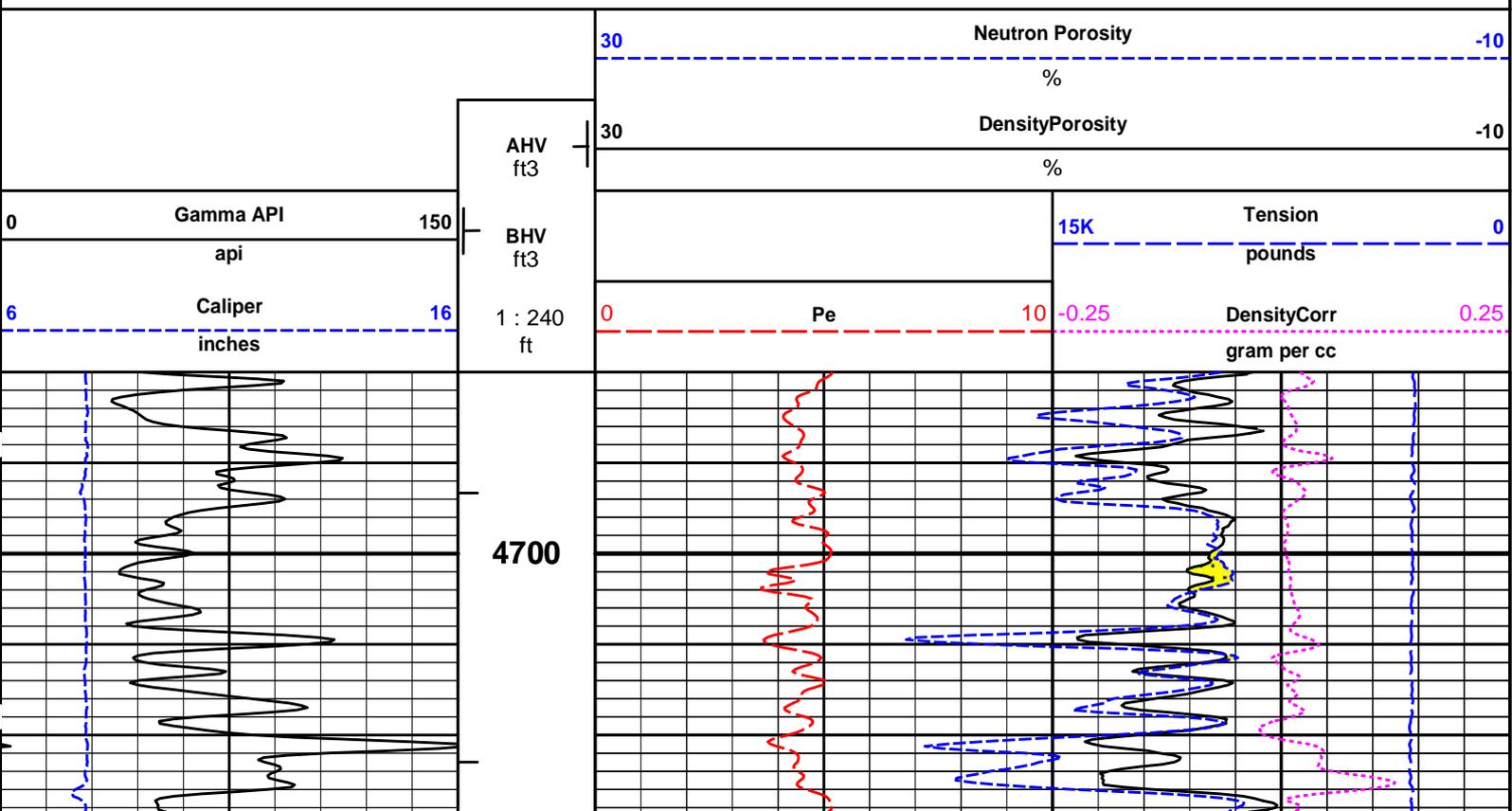
HALLIBURTON

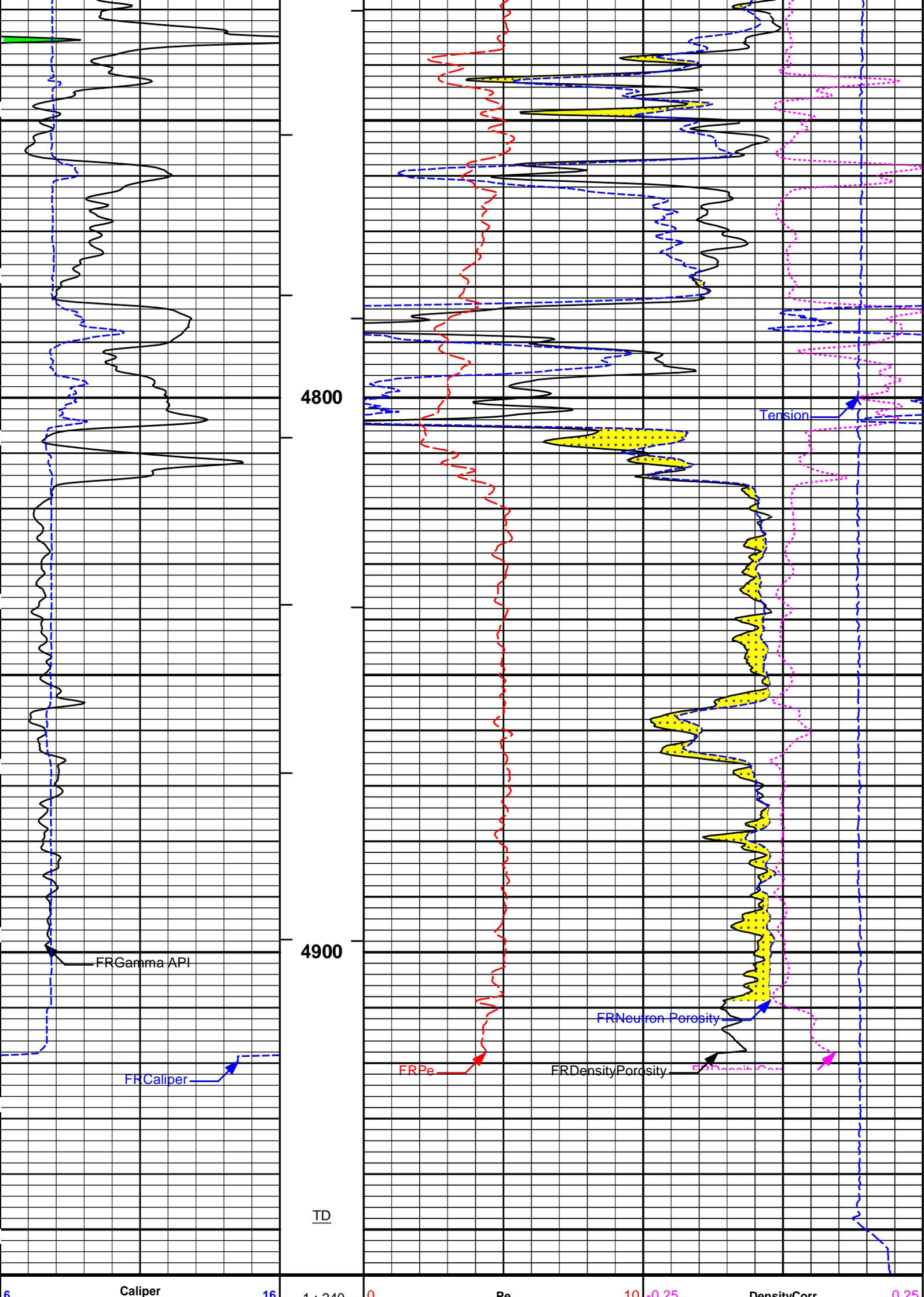


Plot Time: 11-Aug-18 23:36:54
 Plot Range: 4680 ft to 4958.08 ft
 Data: MERIT_RIVERBND4\Well Based\REPEAT\
 Plot File: \\REPEAT\Poro_IQ_5_REPEAT

5 INCH REPEAT LOG

REPEAT SECTION 5" PER 100'





| | | | |
|-----------|---------|------------------|-------------|
| inches | ft | Density | gram per cc |
| Gamma API | BHV ft3 | 15K | Tension |
| api | AHV ft3 | | pounds |
| | 30 | DensityPorosity | -10 |
| | | % | |
| | 30 | Neutron Porosity | -10 |
| | | % | |

HALLIBURTON

Plot Time: 11-Aug-18 23:36:56
 Plot Range: 4680 ft to 4958.08 ft
 Data: MERIT_RIVERBND4\Well Based\REPEAT\
 Plot File: \\REPEAT\Poro_IQ_5_REPEAT

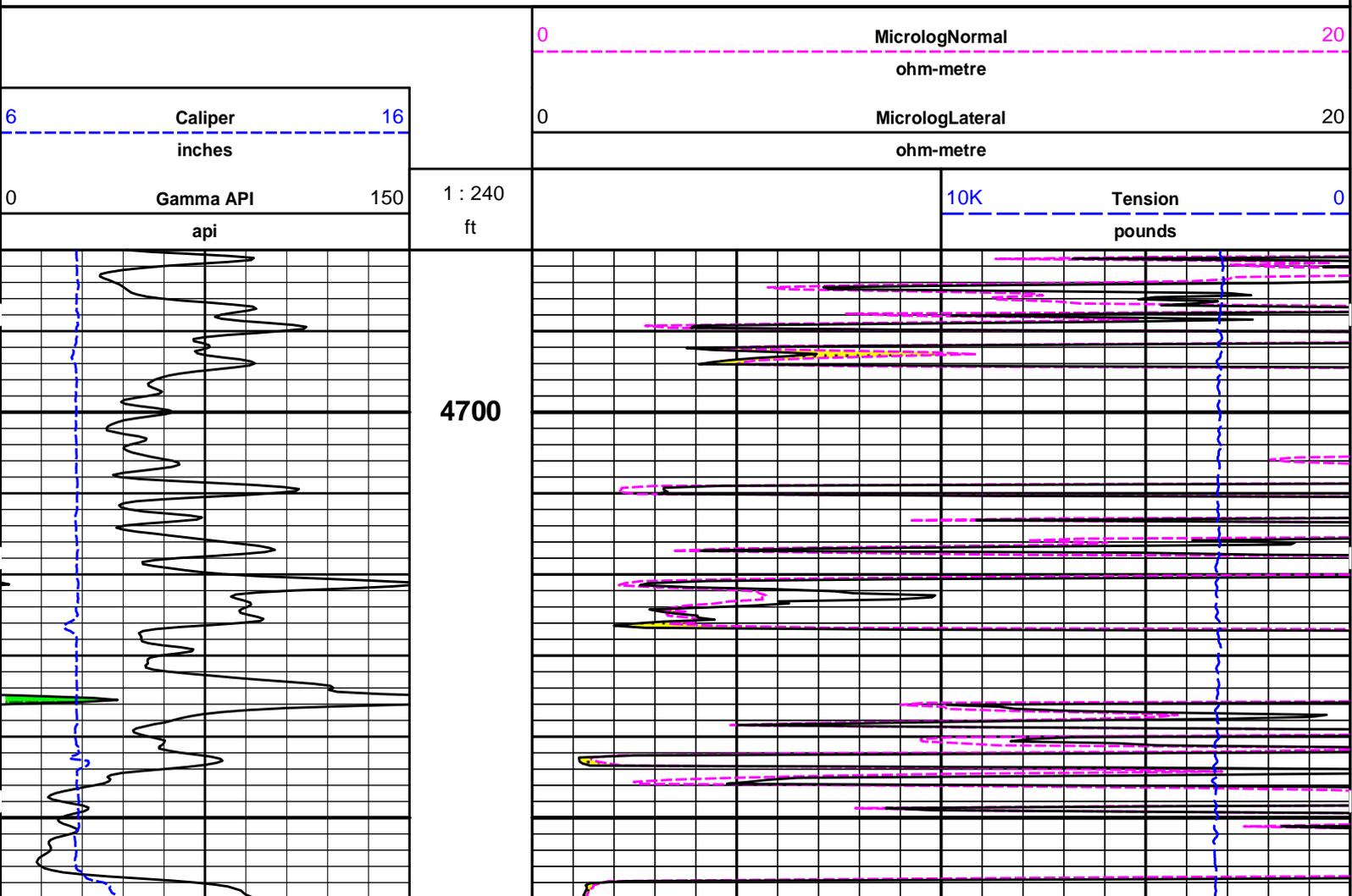
5 INCH REPEAT LOG

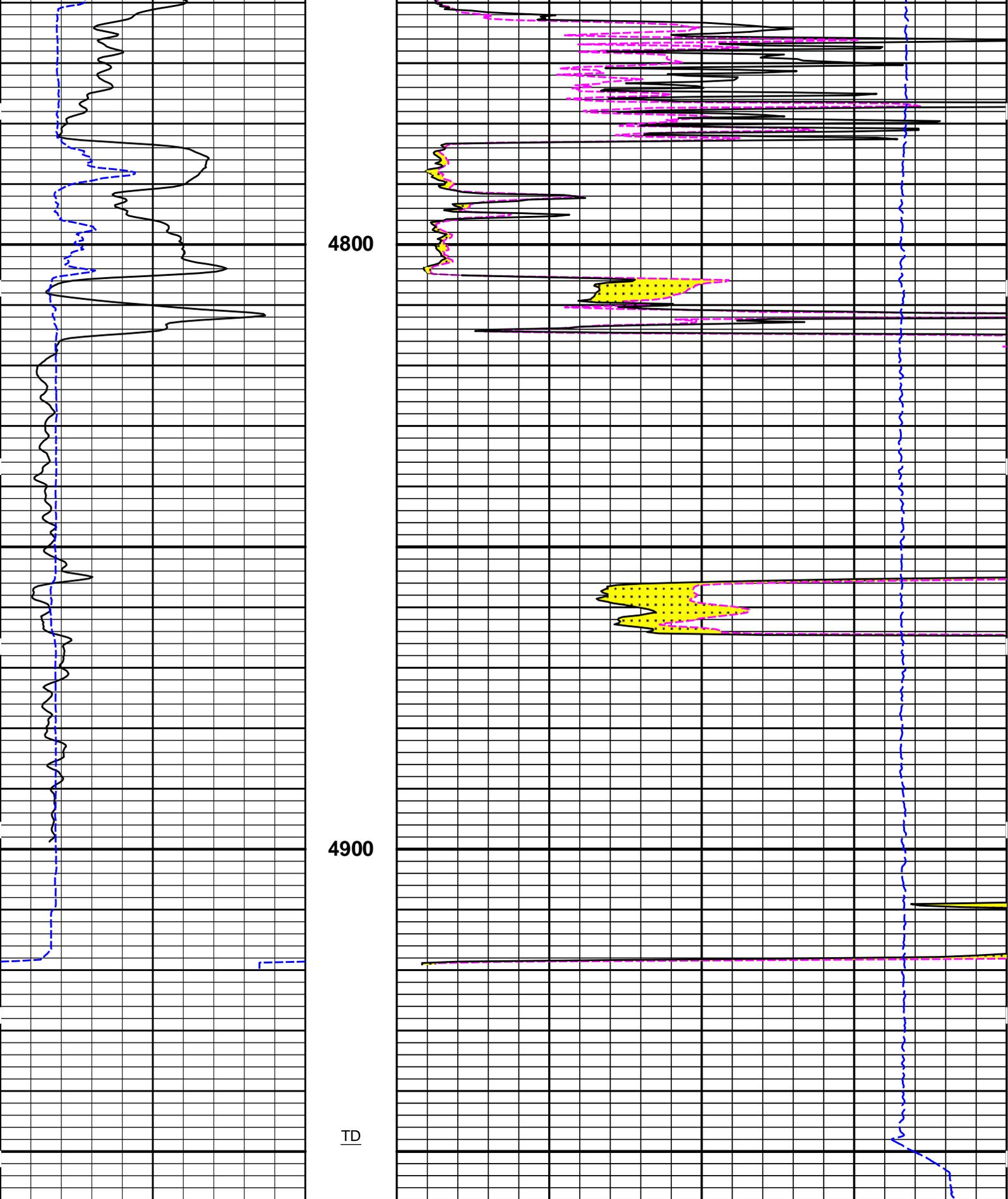
REPEAT SECTION 5" PER 100'

HALLIBURTON

Plot Time: 11-Aug-18 23:36:56
 Plot Range: 4680 ft to 4958.08 ft
 Data: MERIT_RIVERBND4\Well Based\REPEAT\
 Plot File: \\LOCAL\MERIT_RIVERBND4\Well Based\REPEAT\Microlog_IQ_5_rep

REPEAT SECTION





| | | | | | | |
|---|-----------|-----|---------|-----|-----------------|----|
| 0 | Gamma API | 150 | 1 : 240 | 10K | Tension | 0 |
| | api | | ft | | pounds | |
| 6 | Caliper | 16 | | 0 | MicrologLateral | 20 |
| | inches | | | | ohm-metre | |
| | | | | 0 | MicrologNormal | 20 |
| | | | | | ohm-metre | |

Plot Range: 4680 ft to 4958.08 ft

Data: MERIT_RIVERBND4\Well Based\REPEAT\

Plot File: \\-LOCAL-MERIT_RIVERBND4\Well Based\REPEAT\Microlog_IQ_5_rep

REPEAT SECTION

HALLIBURTON

Plot Time: 11-Aug-18 23:36:57

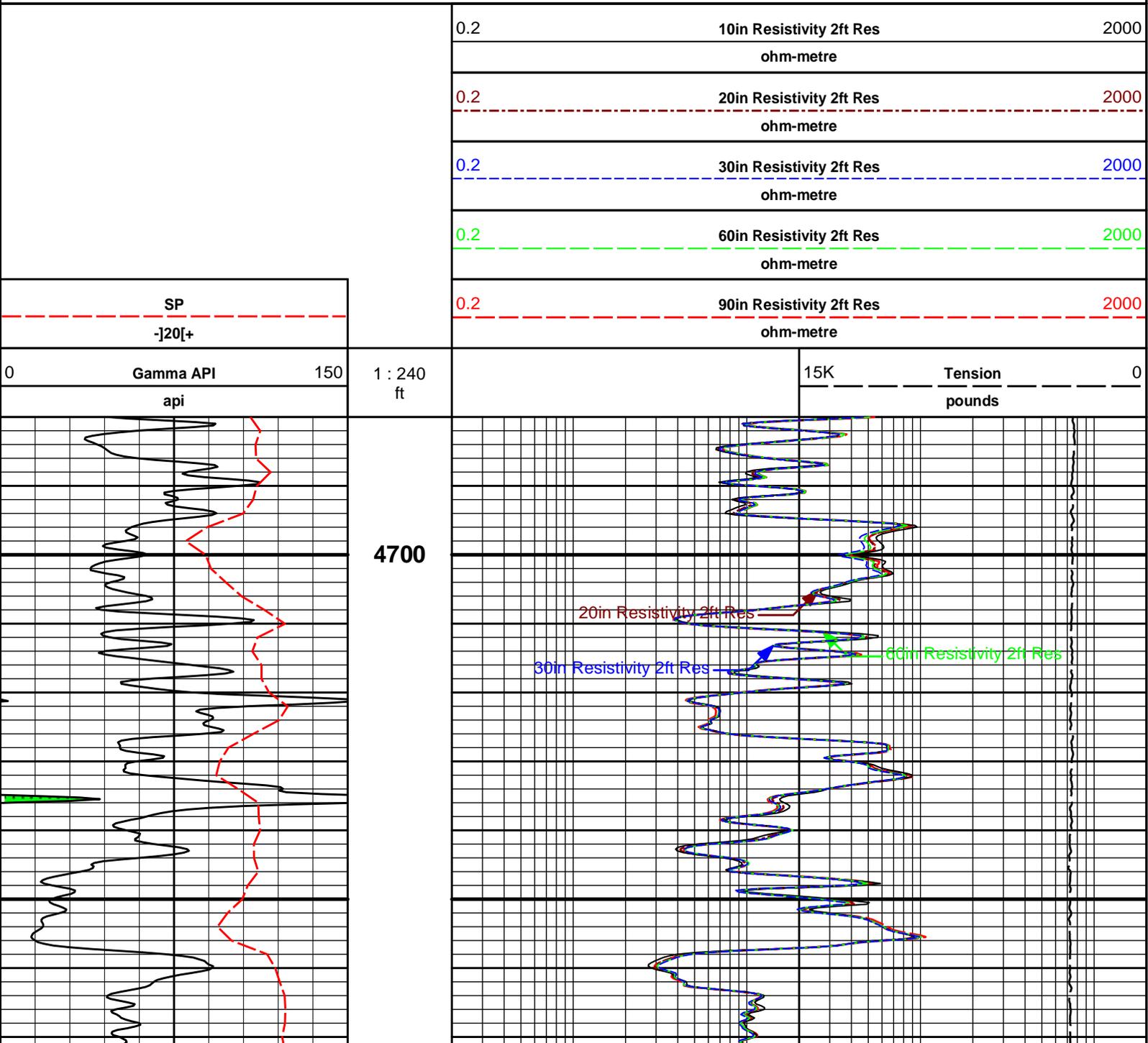
Plot Range: 4680 ft to 4958.08 ft

Data: MERIT_RIVERBND4\Well Based\REPEAT\

Plot File: \\-LOCAL-MERIT_RIVERBND4\Well Based\REPEAT\ACRT_5inch_REPEAT

5 INCH REPEAT SECTION

REPEAT SECTION 5" PER 100'





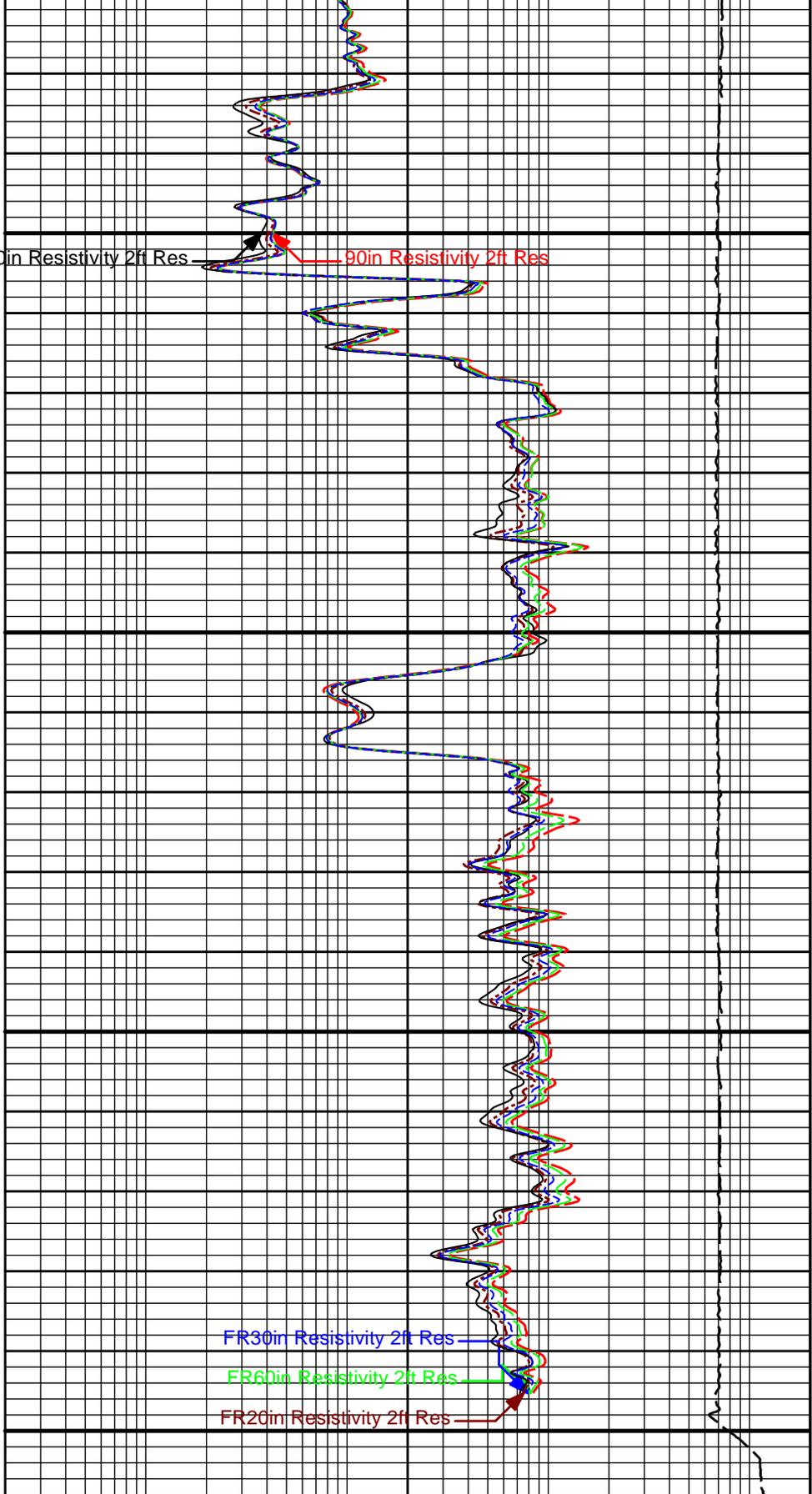
4800

10in Resistivity 2ft Res

90in Resistivity 2ft Res

4900

TD



FR30in Resistivity 2ft Res

FR60in Resistivity 2ft Res

FR20in Resistivity 2ft Res

| | | | | | | |
|---|-----------|-----|---------------|-----|--------------------------|------|
| 0 | Gamma API | 150 | 1 : 240 ft | 15K | Tension | 0 |
| | api | | | | pounds | |
| | SP | | | 0.2 | 90in Resistivity 2ft Res | 2000 |
| | - 20 + | | | | ohm-metre | |
| | | | | 0.2 | 60in Resistivity 2ft Res | 2000 |
| | | | | | ohm-metre | |
| | | | | 0.2 | 30in Resistivity 2ft Res | 2000 |
| | | | | | ohm-metre | |
| | | | | 0.2 | 20in Resistivity 2ft Res | 2000 |
| | | | | | ohm-metre | |

| | | |
|-----|--------------------------|------|
| | ohm-metre | |
| 0.2 | 10in Resistivity 2ft Res | 2000 |
| | ohm-metre | |

HALLIBURTON

Plot Time: 11-Aug-18 23:36:59
 Plot Range: 4680 ft to 4958.08 ft
 Data: MERIT_RIVERBND4\Well Based\REPEAT\
 Plot File: \\LOCAL\MERIT_RIVERBND4\Well Based\REPEAT\ACRT_5inch_REPEAT

5 INCH REPEAT SECTION

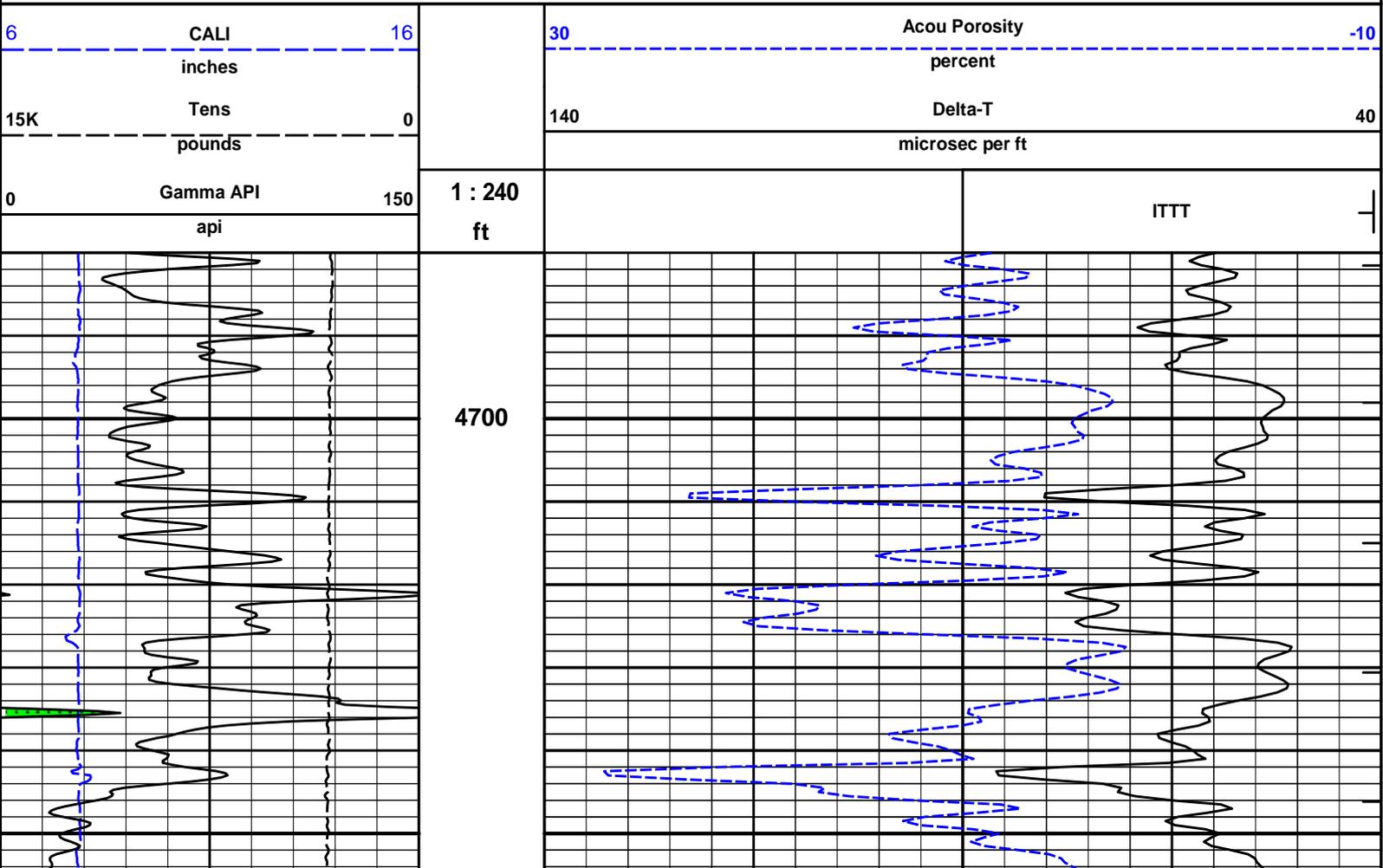
REPEAT SECTION 5" PER 100'

HALLIBURTON

Plot Time: 11-Aug-18 23:36:59
 Plot Range: 4680 ft to 4958.08 ft
 Data: MERIT_RIVERBND4\Well Based\REPEAT*
 Plot File: \\REPEAT\BSAT_5inch_RPT

REPEAT SECTION

5" REPEAT SECTION

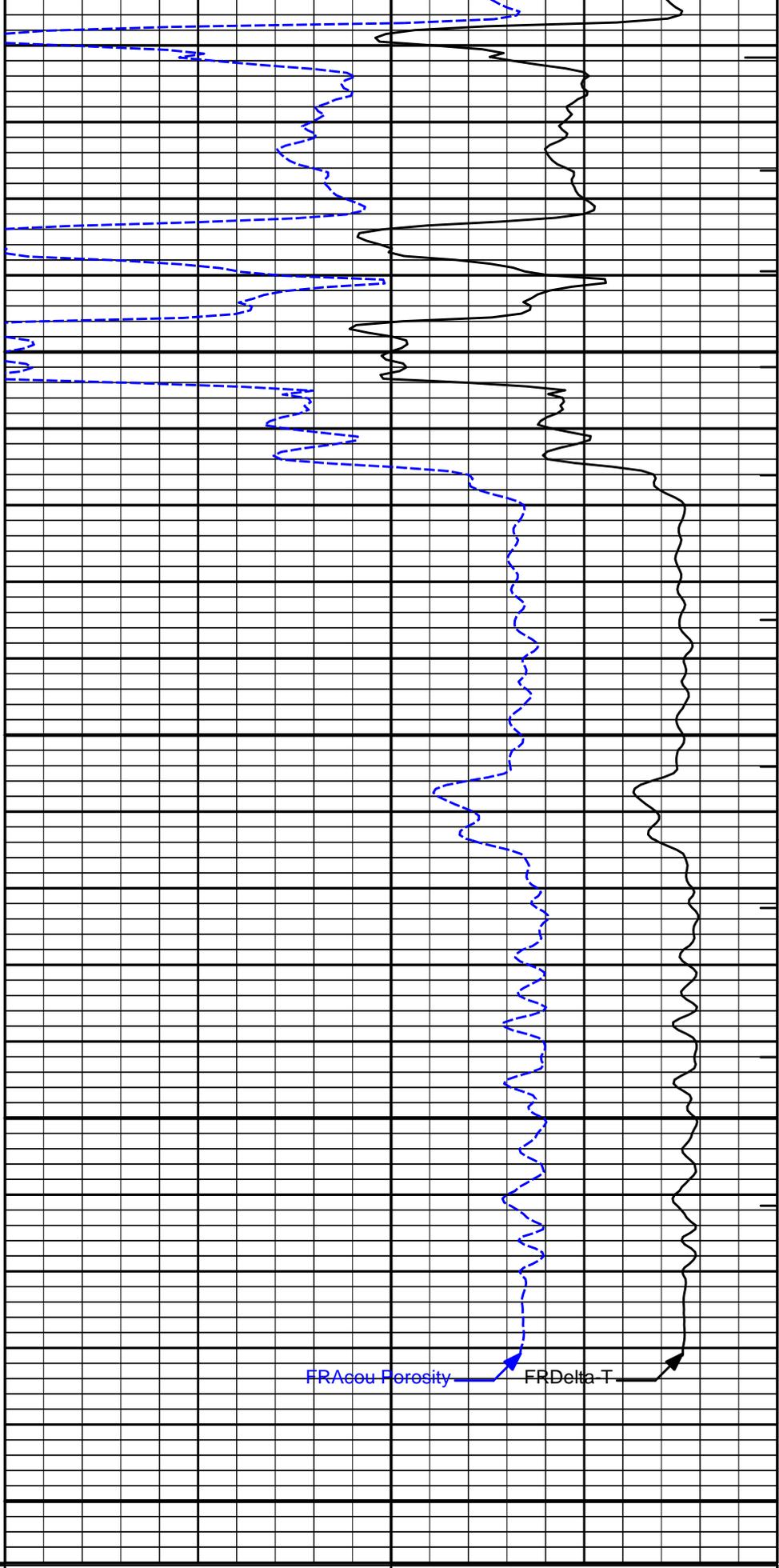




4800

4900

TD



| | | |
|-----|-----------|-----|
| 0 | Gamma API | 150 |
| | api | |
| 15K | Tens | 0 |
| | pounds | |
| 6 | CALI | 16 |
| | inches | |

1 : 240
ft

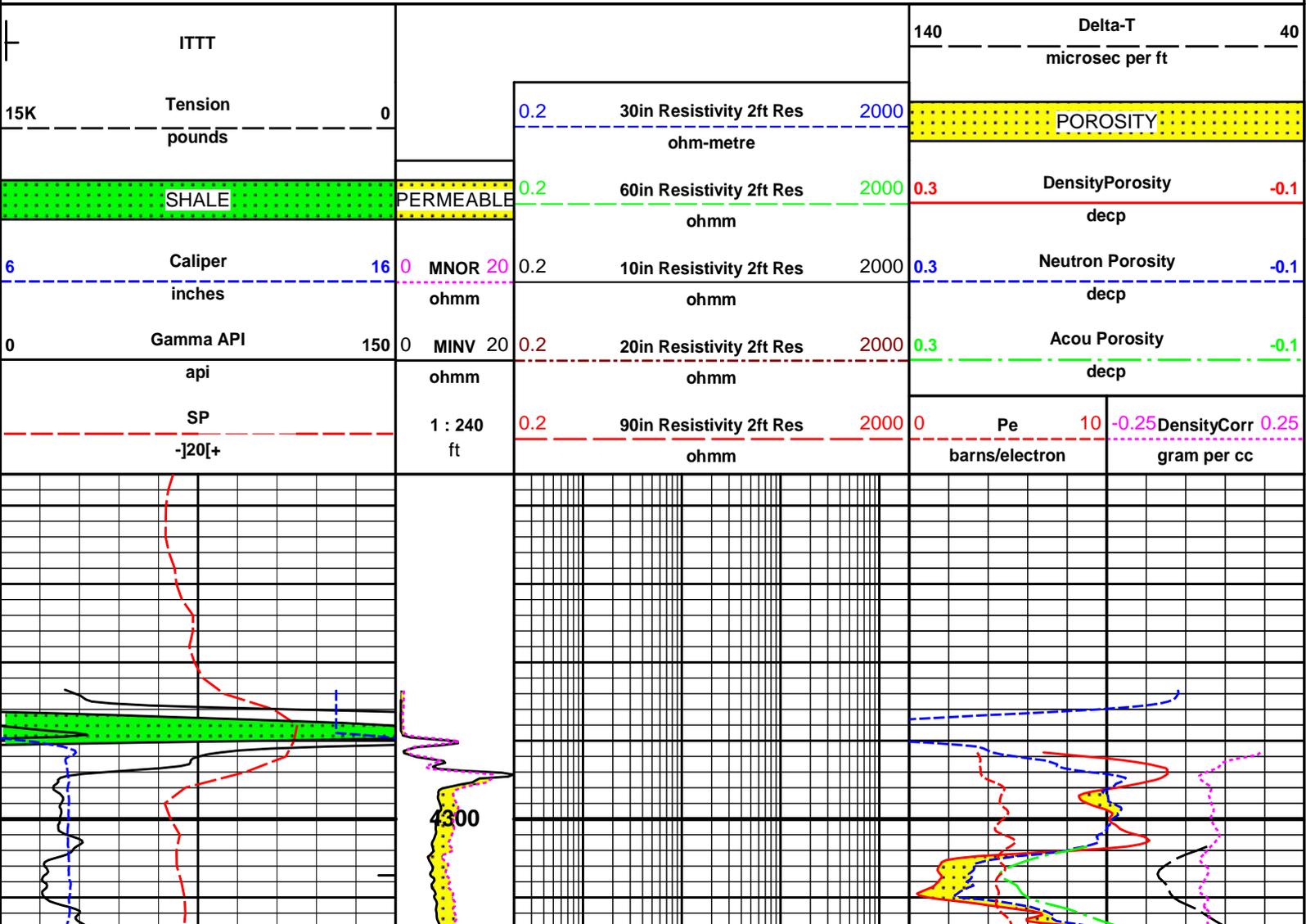
| | | |
|-----|-----------------|-----|
| | ITTT | |
| 140 | Delta-T | 40 |
| | microsec per ft | |
| 30 | Acou Porosity | -10 |
| | percent | |

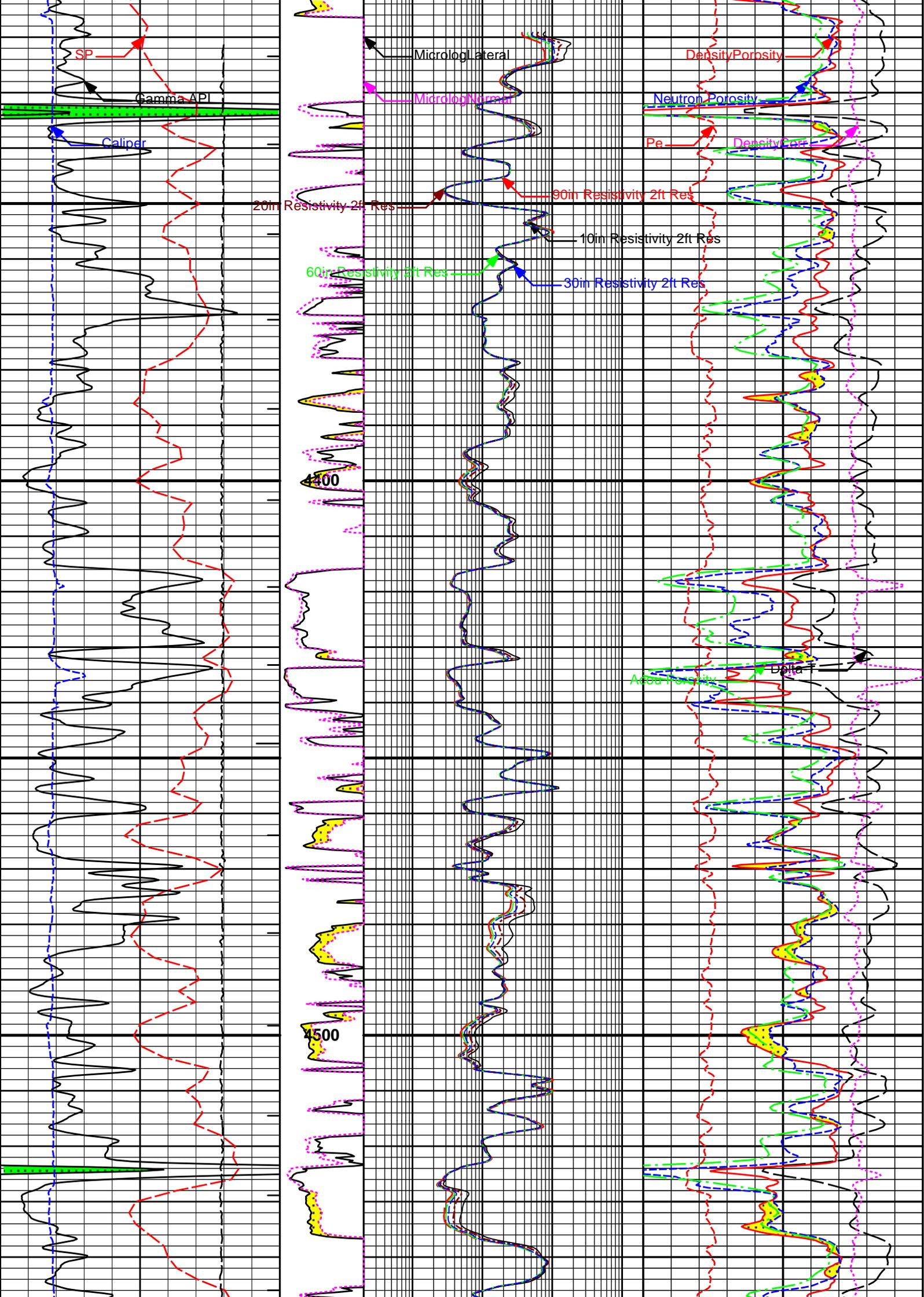
REPEAT SECTION

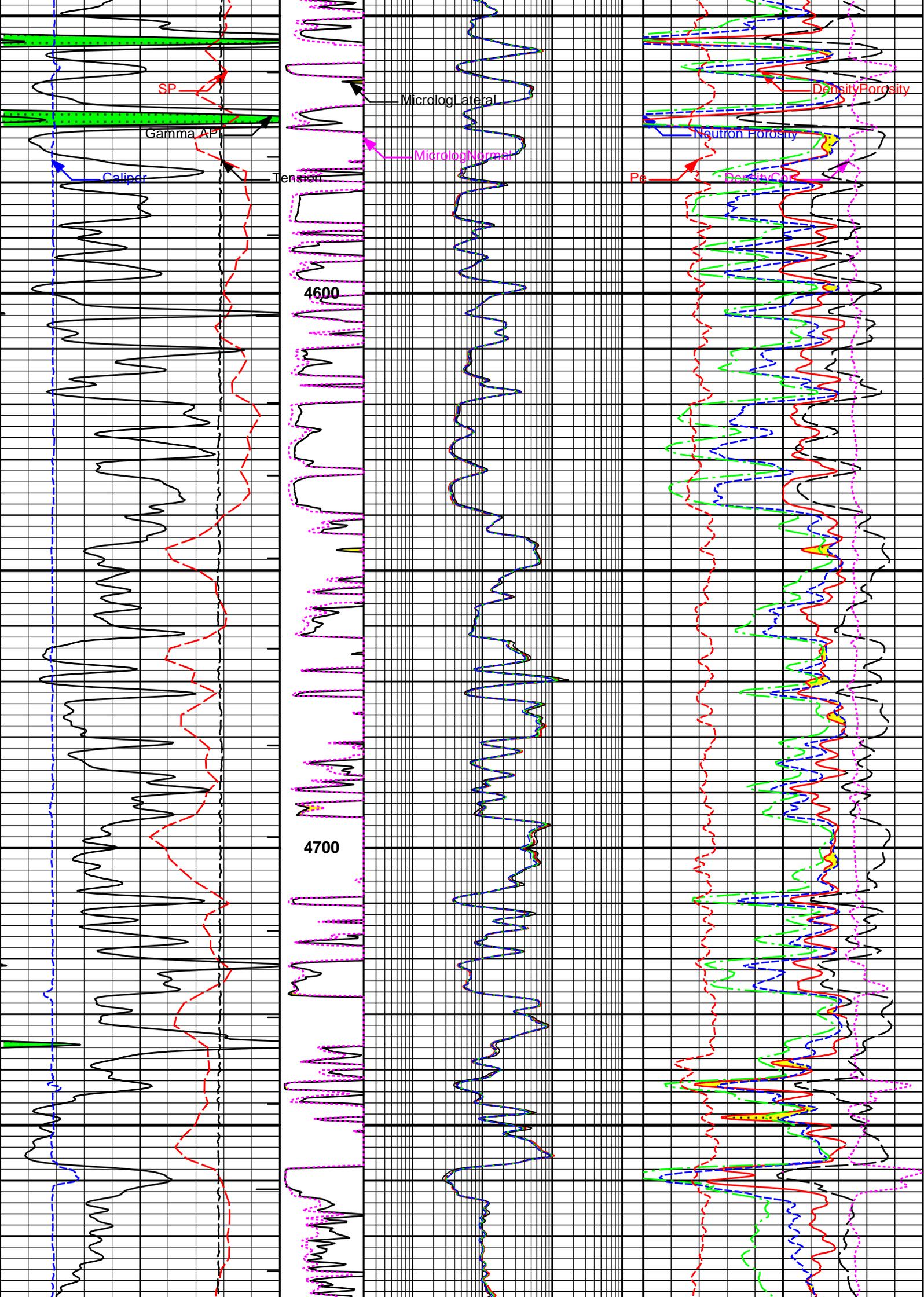
5" REPEAT SECTION

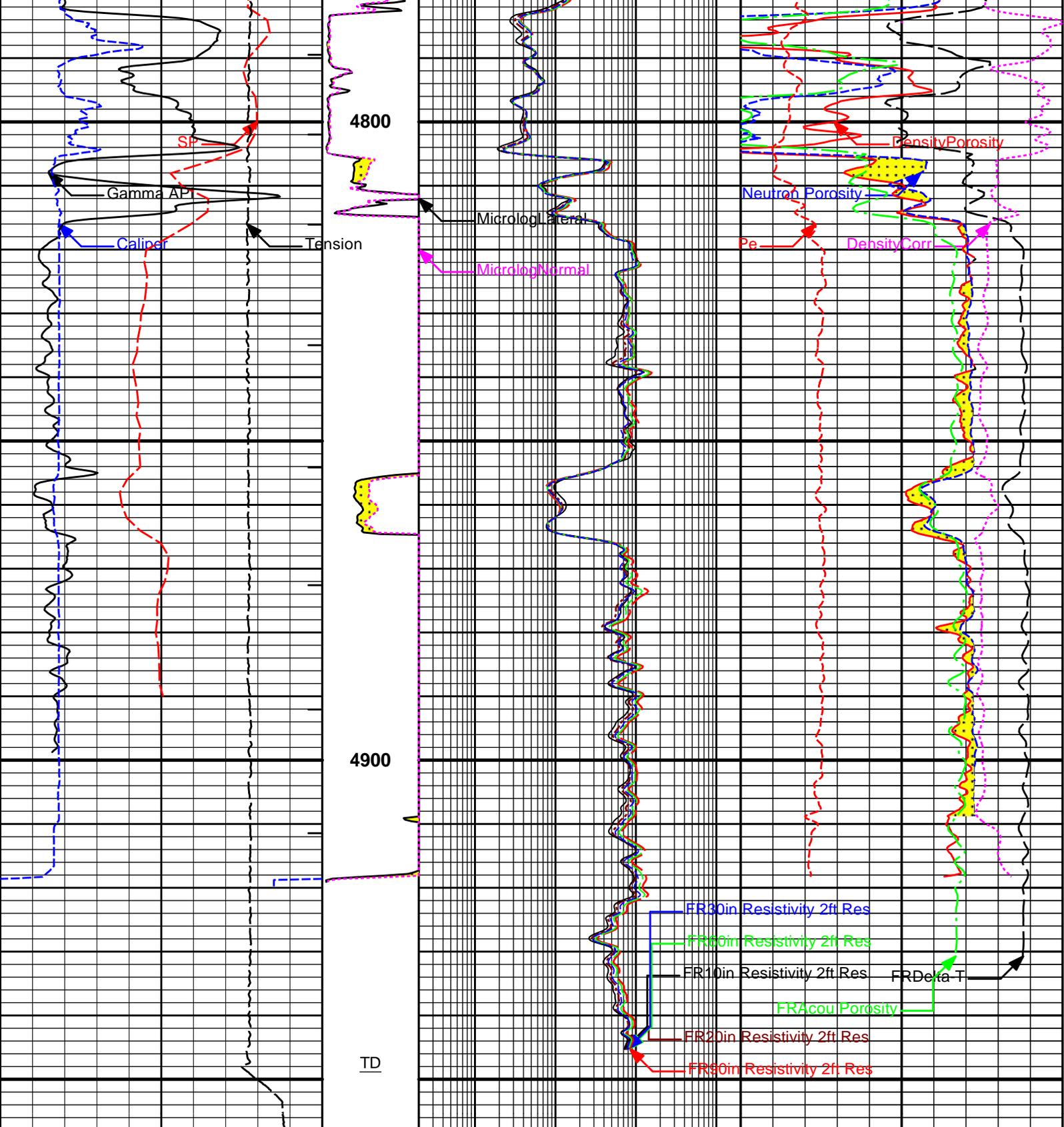
REPEAT SECTION

REPEAT SECTION









| | | | | | | | | | | |
|-----------|------------|-----|--------------------------|------|-----|------------------|----|-------|-------------|------|
| SP | 1 : 240 ft | 0.2 | 90in Resistivity 2ft Res | 2000 | 0 | Pe | 10 | -0.25 | DensityCorr | 0.25 |
| -]20[+ | | | ohmm | | | barns/electron | | | gram per cc | |
| Gamma API | 150 0 | 0.2 | 20in Resistivity 2ft Res | 2000 | 0.3 | Acou Porosity | | | | -0.1 |
| api | | | ohmm | | | decp | | | | |
| Caliper | 16 0 | 0.2 | 10in Resistivity 2ft Res | 2000 | 0.3 | Neutron Porosity | | | | -0.1 |
| inches | | | ohmm | | | decp | | | | |
| SHALE | PERMEABLE | 0.2 | 60in Resistivity 2ft Res | 2000 | 0.3 | DensityPorosity | | | | -0.1 |
| | | | ohmm | | | decp | | | | |
| Tension | 0 | 0.2 | 30in Resistivity 2ft Res | 2000 | | POROSITY | | | | |
| pounds | | | ohm-metre | | | | | | | |
| ITTT | | | | | 140 | Delta-T | | | | 40 |

