



7136 South Yale Avenue, Suite 414
Tulsa, Oklahoma 74136-6378

phone 918.925.9739
fax 866.534.4559

WWW.HZMUD.COM

Customer Information

Operator: Continental Resources, Inc.
302 North Independence St.
Enid, OK 73702

Geologist: Ola Adisa
Continental Resources, Inc.

Mud Logging Details

Logger: Jonathan Faulkner
Kait Salley
Log Interval: 6001' to 15360'
Start Date: February 10, 2011
Release Date: February 25, 2011

Well Information

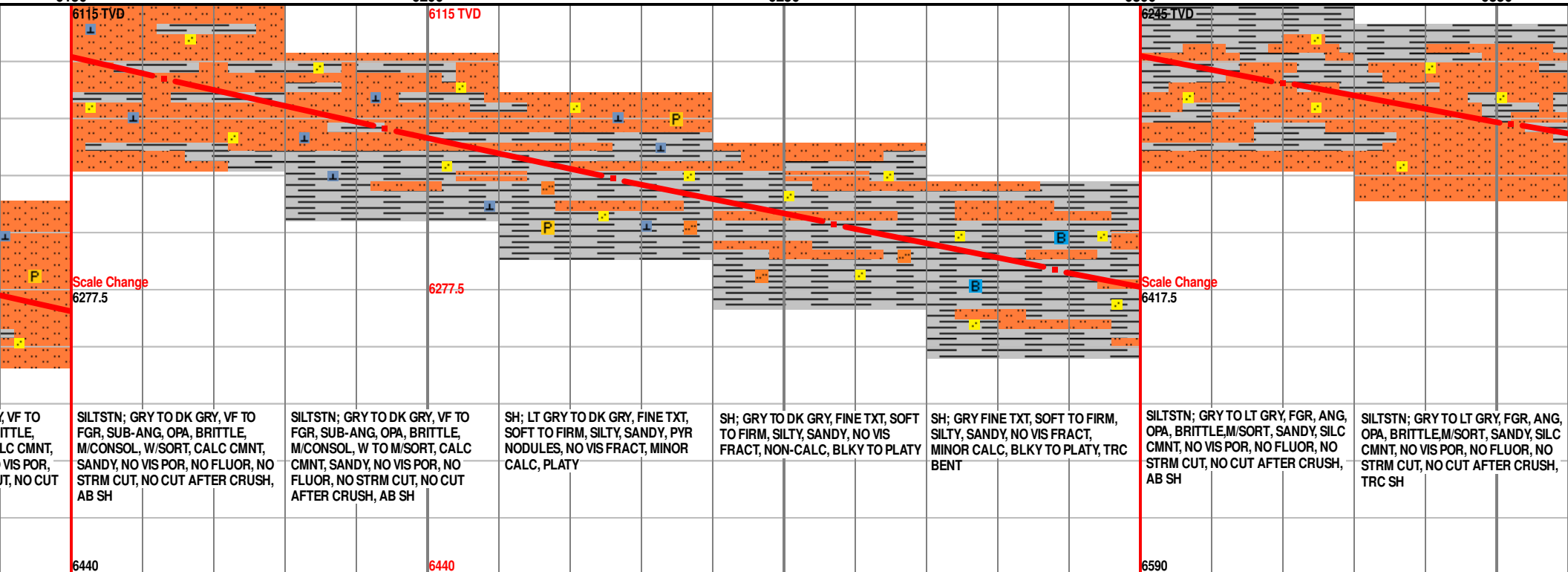
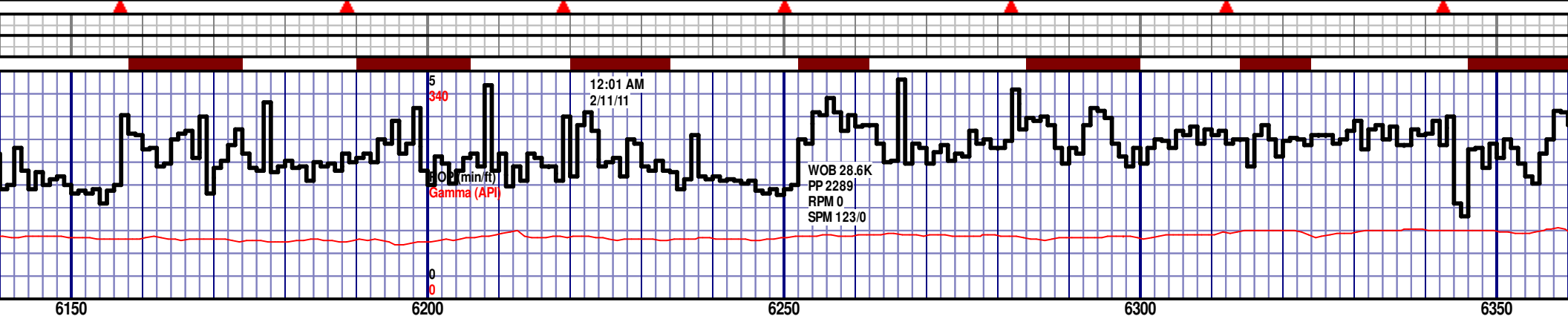
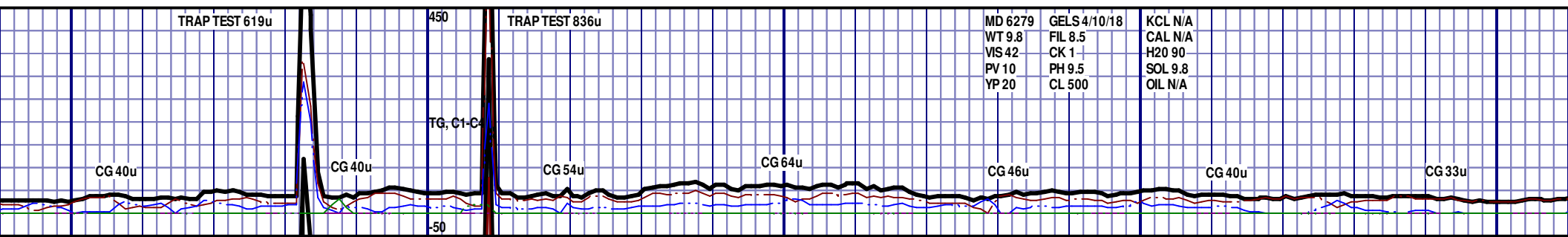
Well Name: Newton 1-4H HZ

Location: Section 4-T9N-R61W
600' FNL, 700' FEL

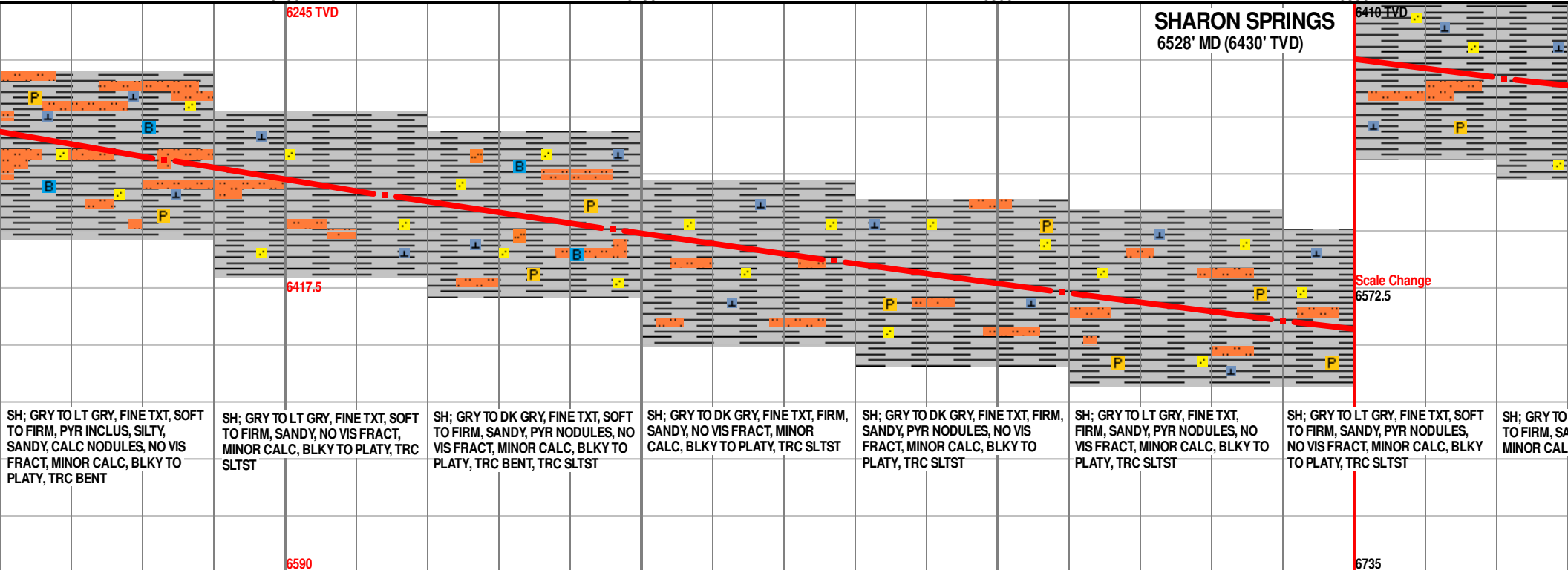
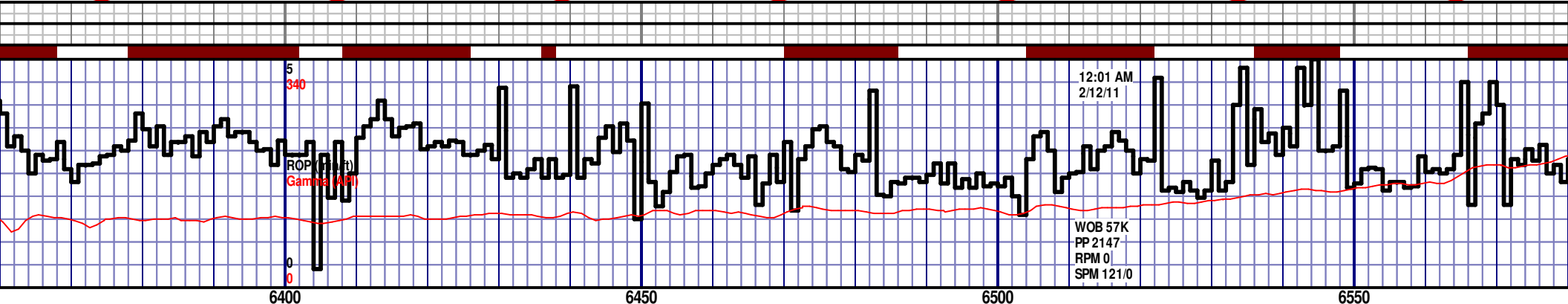
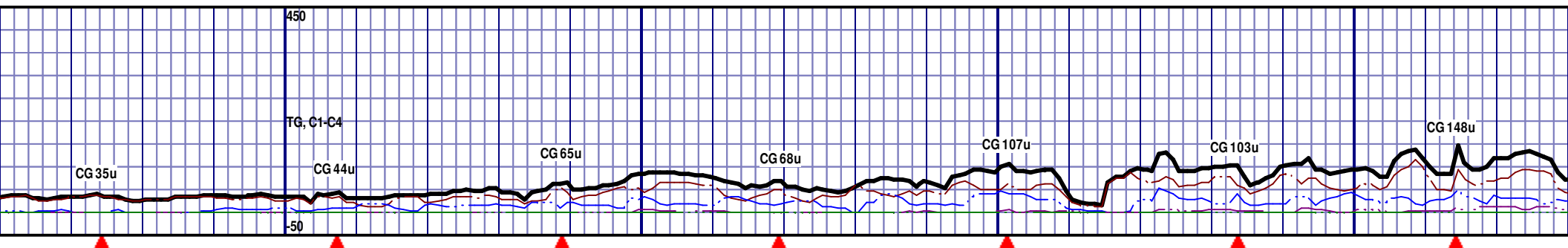
County: Weld
State: Colorado

Drilling Rig: Cyclone 12
Total Depth: 15360'
TD Date: February 25, 2011
Formation: Niobrara Lower "B"
KB Elevation: 5001'
GR Elevation: 4985'
API Number: 05-123-32780

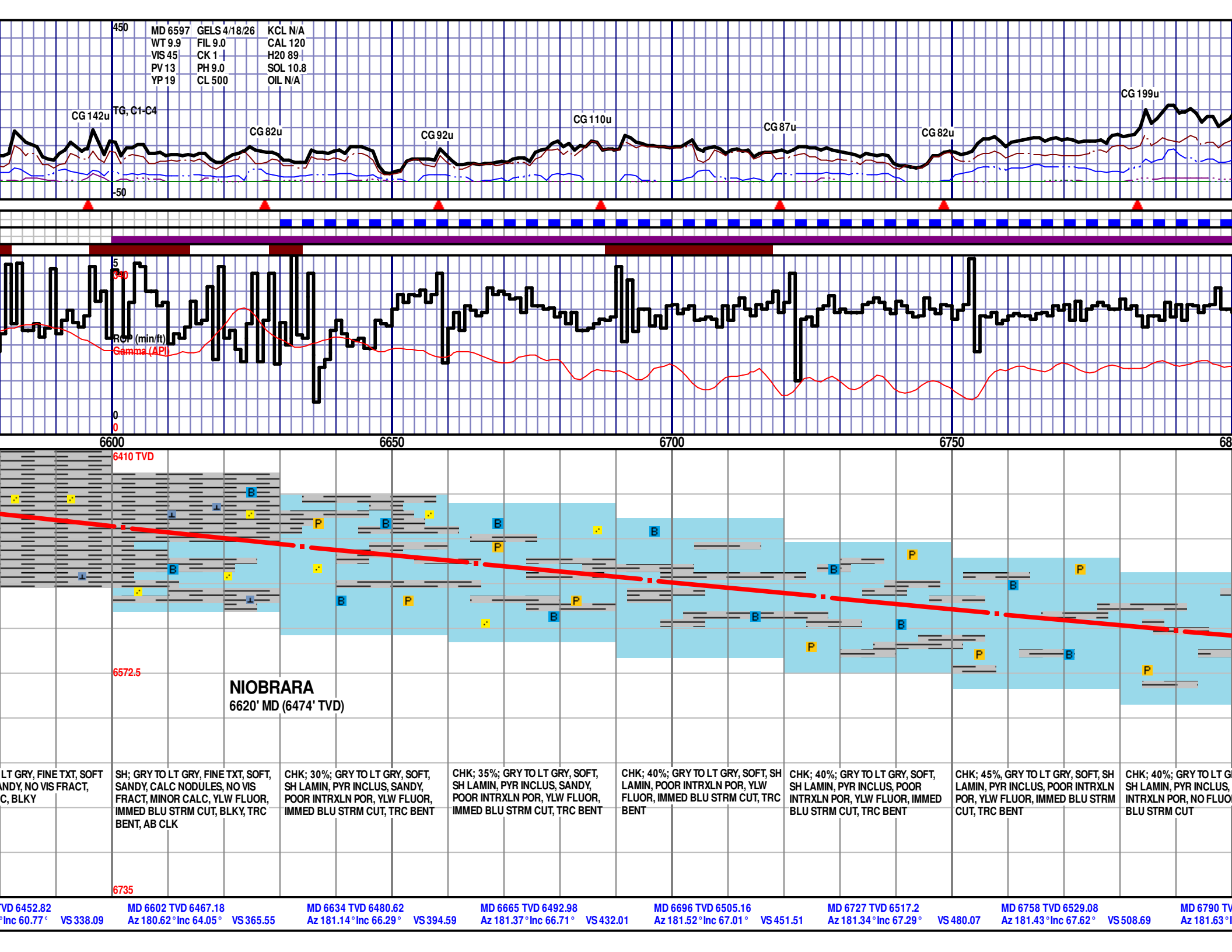


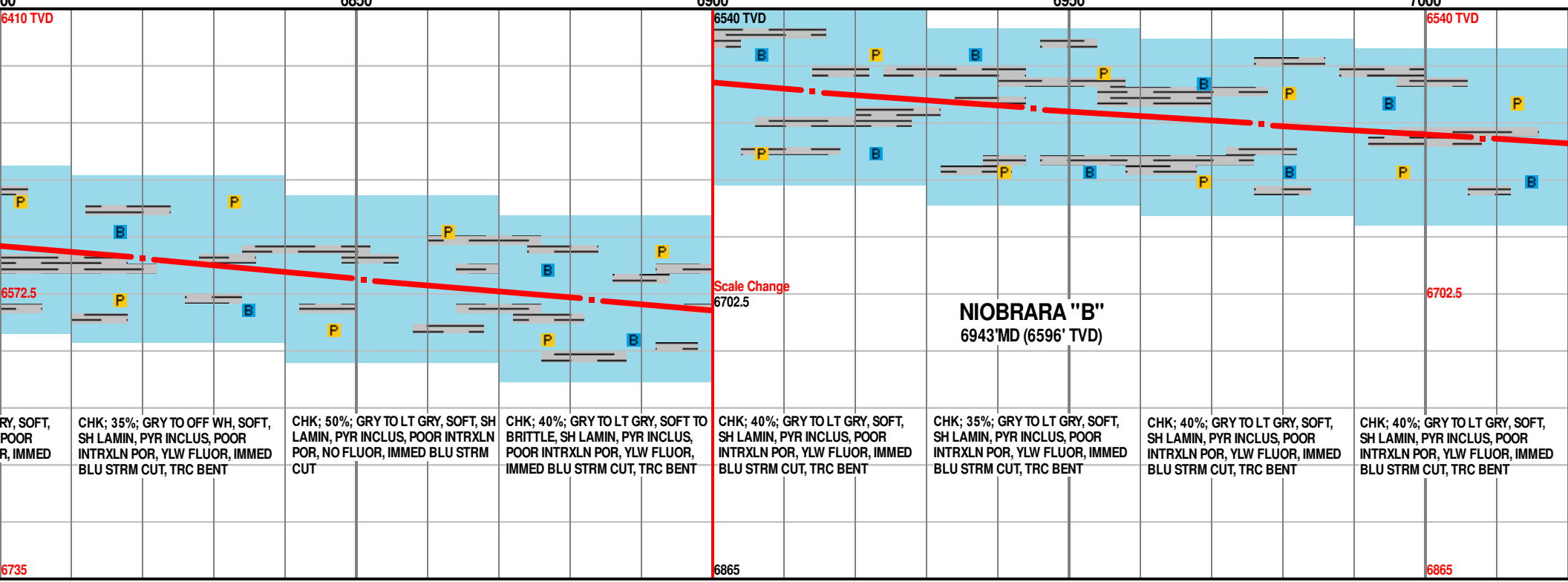
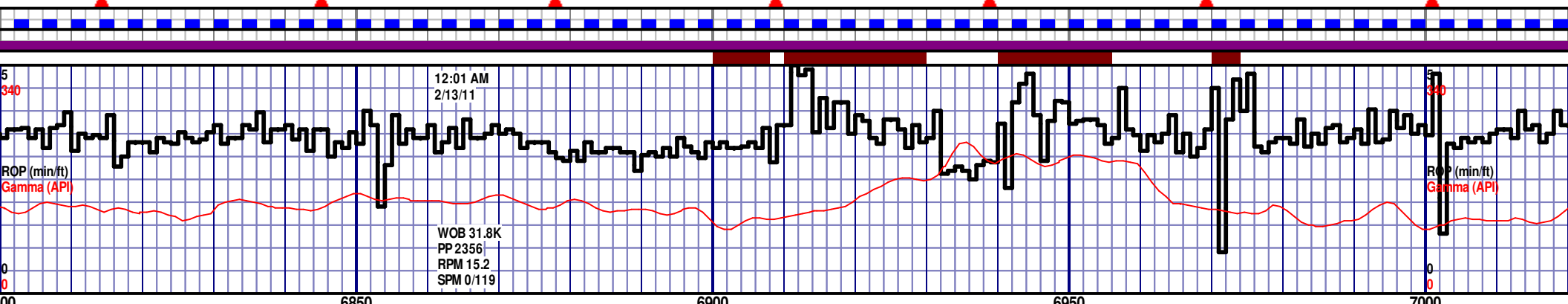
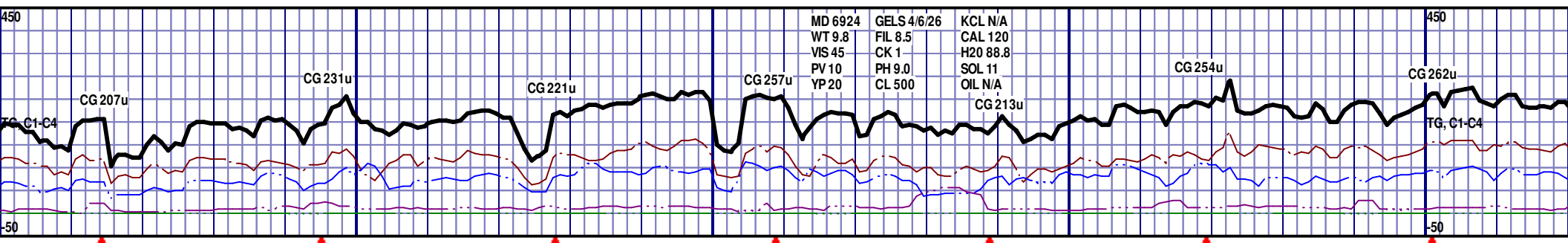


TVD 6128.33	MD 6163 TVD 6157.17	MD 6194 TVD 6185.39	MD 6226 TVD 6213.73	MD 6257 TVD 6240.39	MD 6288 TVD 6266.29	MD 6320 TVD 6292.24	MD 6352
3°Inc 20.13° VS 57.35	Az 187.13°Inc 22.87° VS 68.62	Az 186.21°Inc 26.05° VS 81.37	Az 184.06°Inc 29.29° VS 96.17	Az 182.88°Inc 32.02° VS 111.94	Az 181.56°Inc 34.62° VS 128.95	Az 181.27°Inc 36.99° VS 147.67	Az 182.1

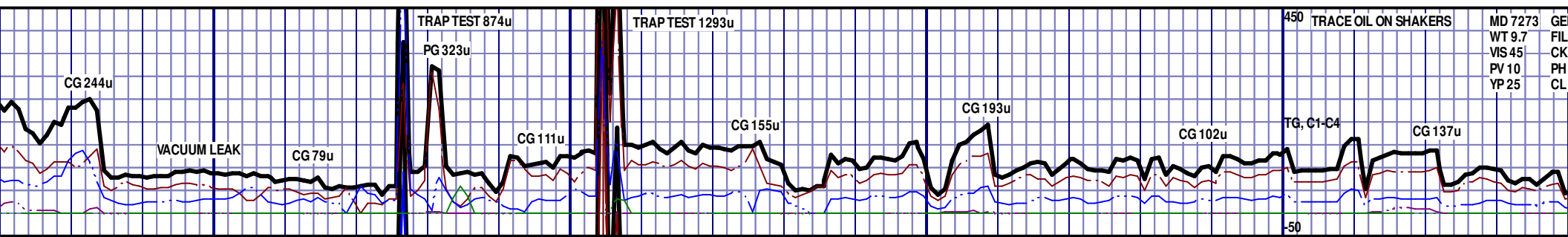


TVD 6317.29 °Inc 40.01° VS 167.57	MD 6383 TVD 6340.26 Az 182.5°Inc 44.29° VS 188.36	MD 6414 TVD 6361.65 Az 182.84°Inc 48.45° VS 210.76	MD 6446 TVD 6382.3 Az 183.06°Inc 51.15° VS 235.17	MD 6477 TVD 6401.32 Az 183.08°Inc 53.15° VS 259.61	MD 6509 TVD 6419.99 Az 183.19°Inc 55.47° VS 285.56	MD 6540 TVD 6437.01 Az 182.26°Inc 57.91° VS 311.44	MD 6571 TVD 6454.01 Az 181.15°Inc 60.01° VS 337.37
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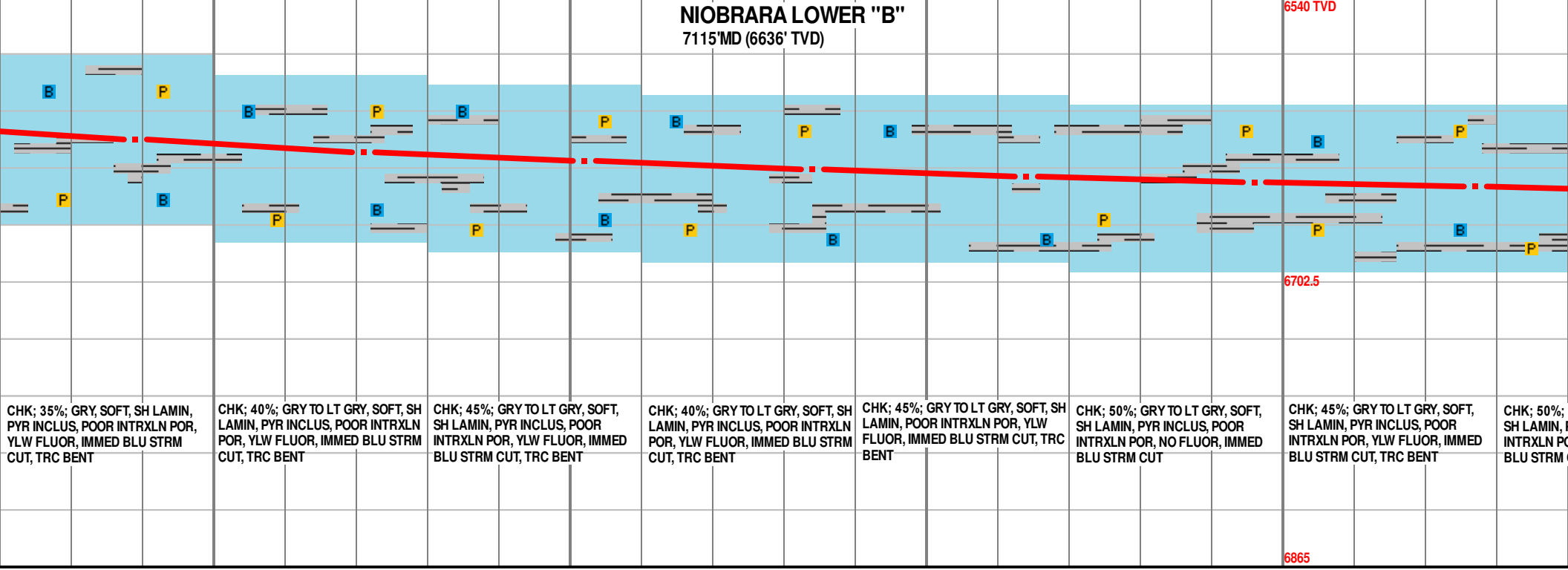
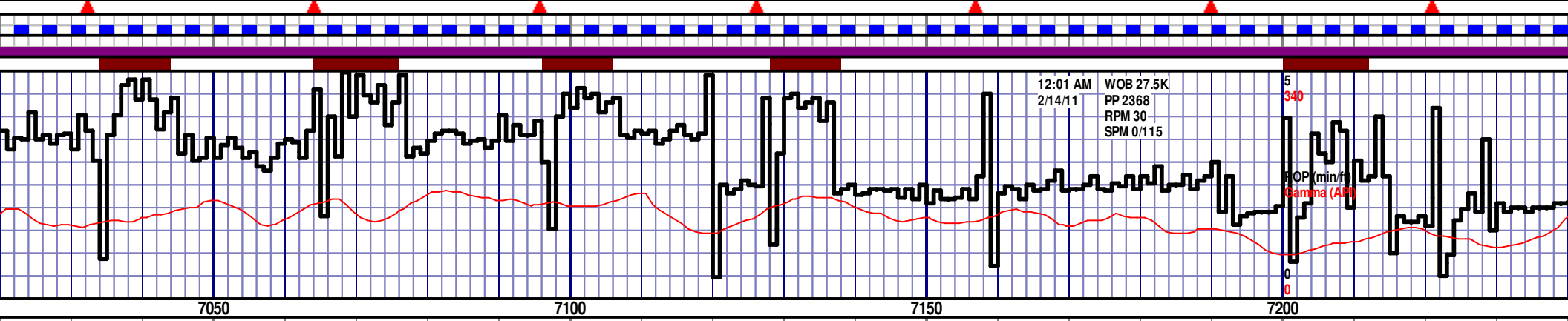




MD 6541.23 Inc 67.75° VS 538.28	MD 6820 TVD 6552.54 Az 181.91° Inc 67.94° VS 566.06	MD 6851 TVD 6564.16 Az 182.18° Inc 68.04° VS 594.78	MD 6883 TVD 6576.12 Az 182.42° Inc 68.06° VS 624.44	MD 6914 TVD 6587.19 Az 180.66° Inc 70.11° VS 653.38	MD 6945 TVD 6596.92 Az 179.88° Inc 73.29° VS 682.81	MD 6977 TVD 6605.77 Az 179.69° Inc 74.6° VS 713.56	MD 7008 TVD Az 179.08° Inc
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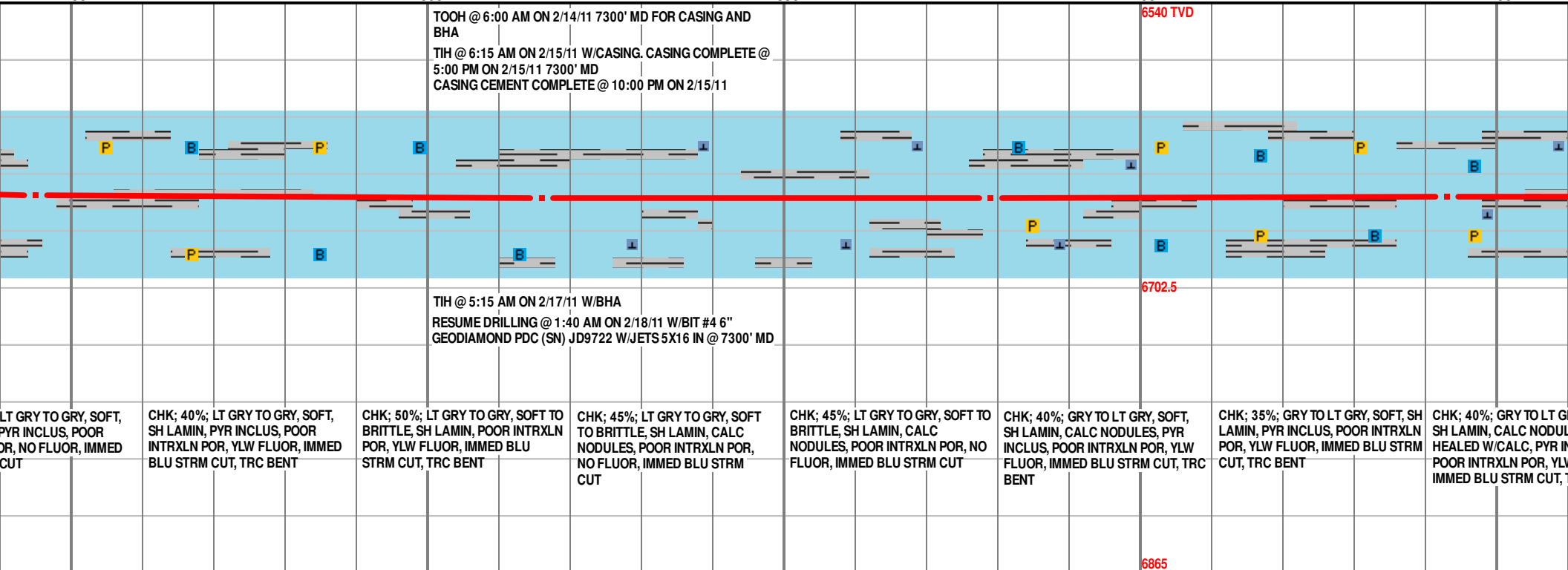
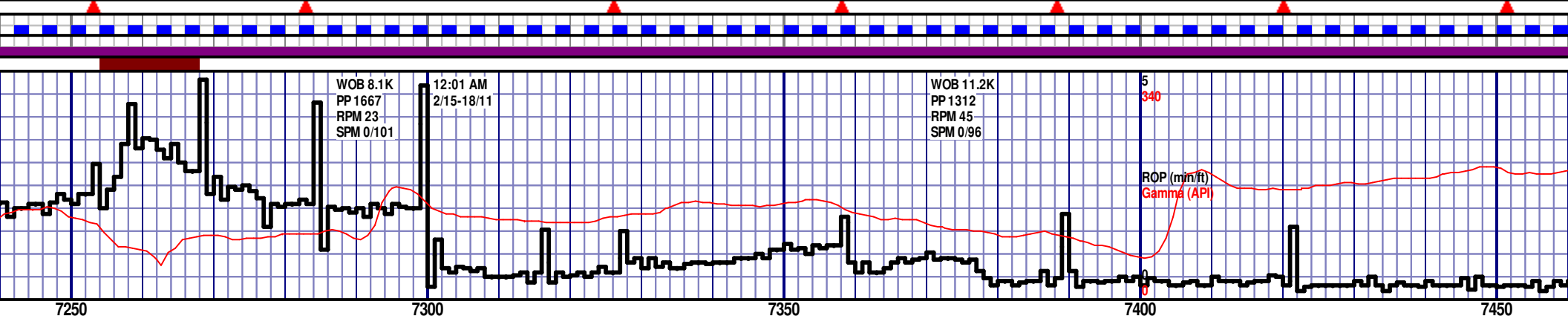
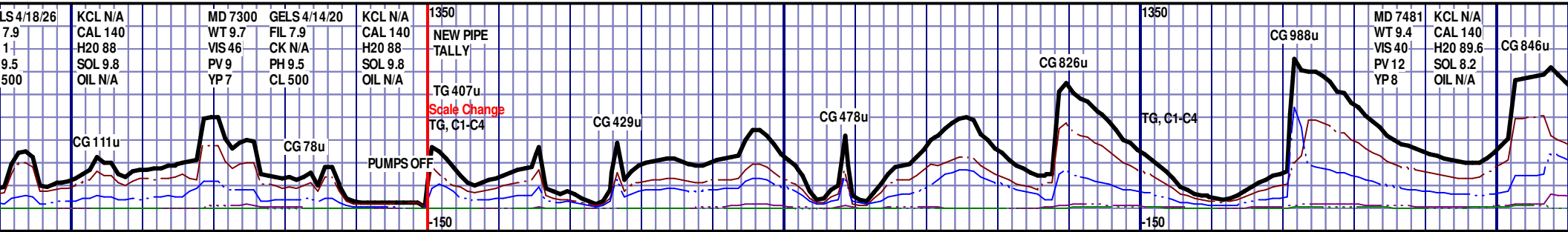
MD 7273
WT 9.7
VS 45
PV 10
YP 25



NIOBRARA LOWER "B"
7115'MD (6636' TVD)

CHK; 35%; GRY, SOFT, SH LAMIN, PYR INCLUS, POOR INTRXLN POR, YLW FLUOR, IMMED BLU STRM CUT, TRC BENT	CHK; 40%; GRY TO LT GRY, SOFT, SH LAMIN, PYR INCLUS, POOR INTRXLN POR, YLW FLUOR, IMMED BLU STRM CUT, TRC BENT	CHK; 45%; GRY TO LT GRY, SOFT, SH LAMIN, PYR INCLUS, POOR INTRXLN POR, YLW FLUOR, IMMED BLU STRM CUT, TRC BENT	CHK; 40%; GRY TO LT GRY, SOFT, SH LAMIN, PYR INCLUS, POOR INTRXLN POR, YLW FLUOR, IMMED BLU STRM CUT, TRC BENT	CHK; 45%; GRY TO LT GRY, SOFT, SH LAMIN, PYR INCLUS, POOR INTRXLN POR, YLW FLUOR, IMMED BLU STRM CUT, TRC BENT	CHK; 50%; GRY TO LT GRY, SOFT, SH LAMIN, PYR INCLUS, POOR INTRXLN POR, NO FLUOR, IMMED BLU STRM CUT	CHK; 45%; GRY TO LT GRY, SOFT, SH LAMIN, PYR INCLUS, POOR INTRXLN POR, YLW FLUOR, IMMED BLU STRM CUT, TRC BENT	CHK; 50%; GRY TO LT GRY, SOFT, SH LAMIN, PYR INCLUS, POOR INTRXLN POR, YLW FLUOR, IMMED BLU STRM CUT, TRC BENT
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6613.89 75.06° VS743.48	MD 7039 TVD 6621.47 Az 179.08° Inc 76.63° VS773.53	MD 7071 TVD 6628.3 Az 178.81° Inc 78.71° VS804.78	MD 7102 TVD 6633.78 Az 179.22° Inc 80.94° VS835.29	MD 7134 TVD 6638.35 Az 179.25° Inc 82.61° VS866.96	MD 7164 TVD 6642.09 Az 179.24° Inc 83.08° VS897.71	MD 7196 TVD 6645.58 Az 178.79° Inc 84.41° VS928.52	MD 7227 TVD 6649.07 Az 178.4° Inc 85.00° VS959.27
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LT GRY TO GRY, SOFT, PYR INCLUS, POOR POR, NO FLUOR, IMMEDIATE BLU STRM CUT

CHK; 40%; LT GRY TO GRY, SOFT, SH LAMIN, PYR INCLUS, POOR INTRXLN POR, YLW FLUOR, IMMEDIATE BLU STRM CUT, TRC BENT

CHK; 50%; LT GRY TO GRY, SOFT TO BRITTLE, SH LAMIN, POOR INTRXLN POR, YLW FLUOR, IMMEDIATE BLU STRM CUT, TRC BENT

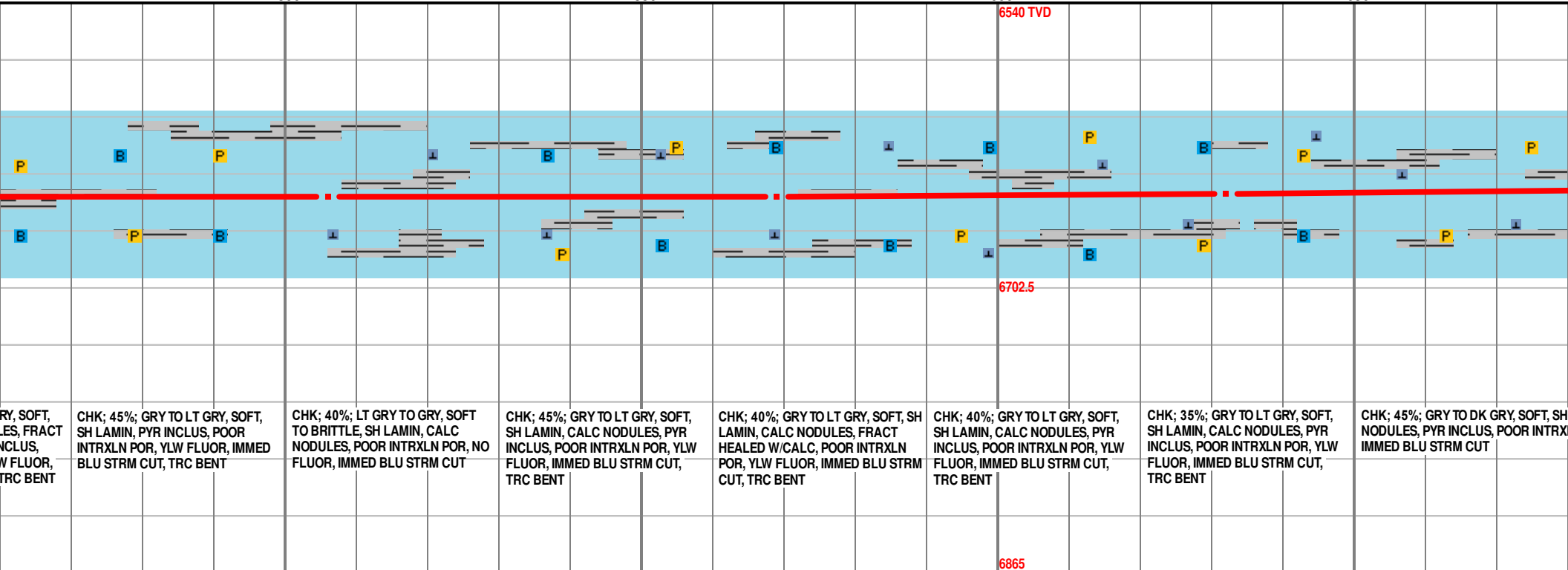
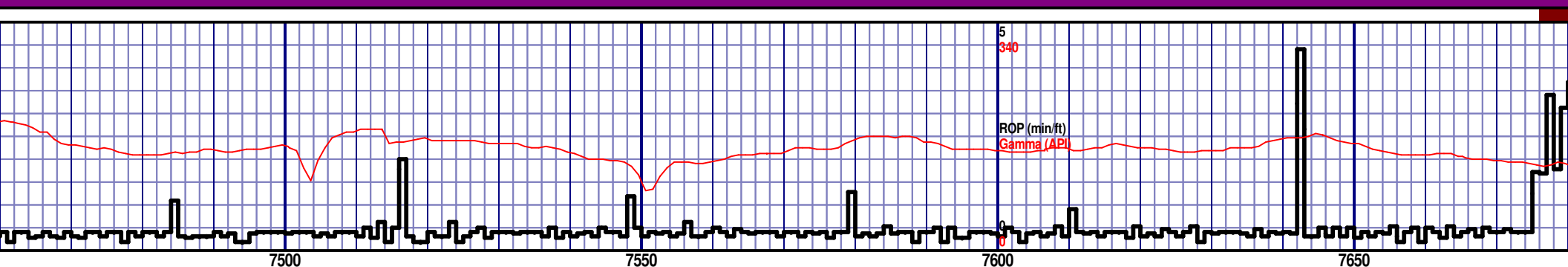
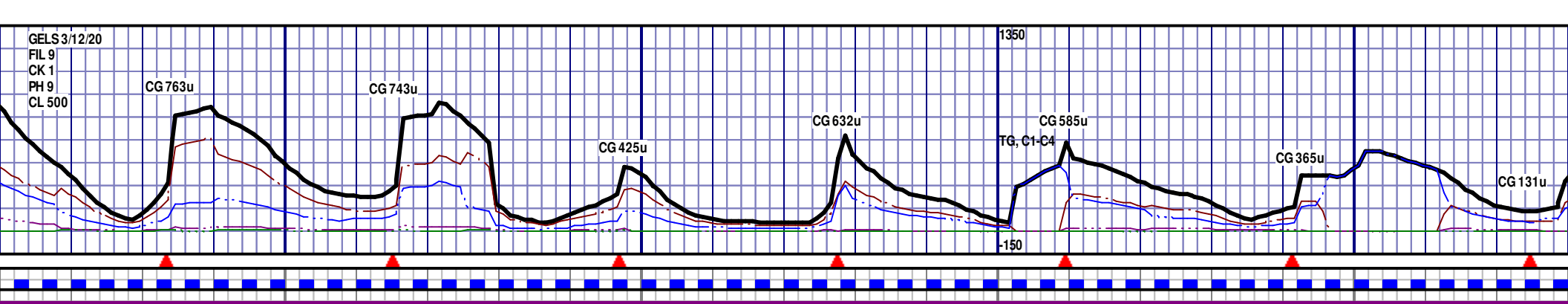
CHK; 45%; LT GRY TO GRY, SOFT TO BRITTLE, SH LAMIN, CALC NODULES, POOR INTRXLN POR, NO FLUOR, IMMEDIATE BLU STRM CUT

CHK; 45%; LT GRY TO GRY, SOFT TO BRITTLE, SH LAMIN, CALC NODULES, POOR INTRXLN POR, NO FLUOR, IMMEDIATE BLU STRM CUT

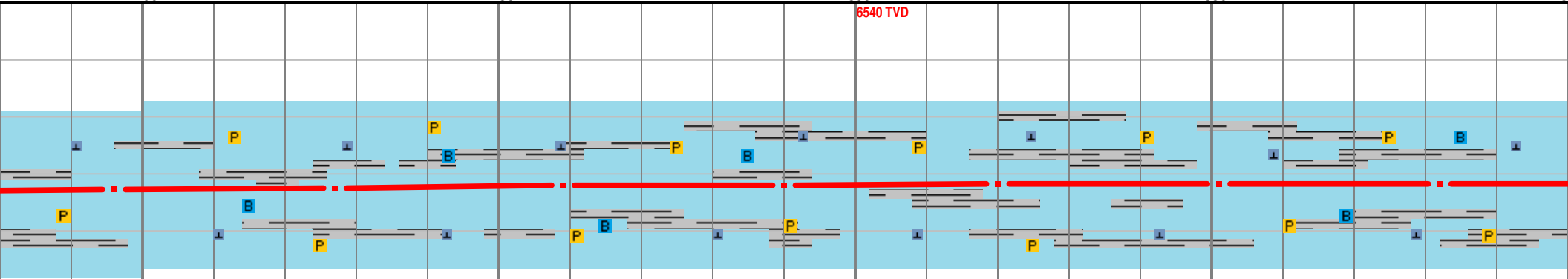
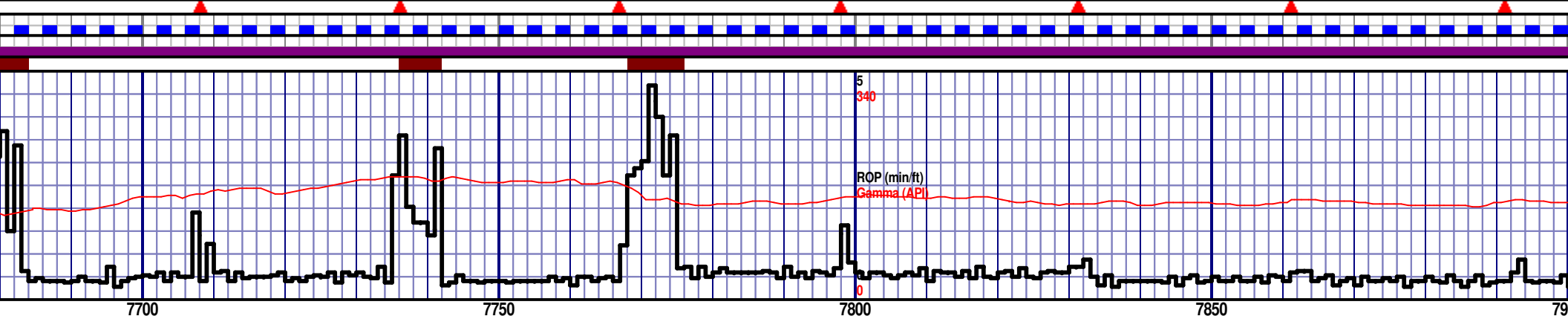
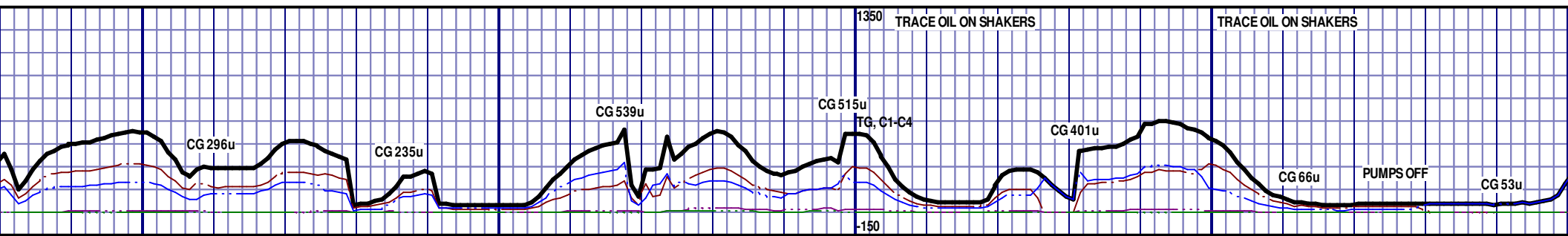
CHK; 40%; GRY TO LT GRY, SOFT, SH LAMIN, CALC NODULES, PYR INCLUS, POOR INTRXLN POR, YLW FLUOR, IMMEDIATE BLU STRM CUT, TRC BENT

CHK; 35%; GRY TO LT GRY, SOFT, SH LAMIN, PYR INCLUS, POOR INTRXLN POR, YLW FLUOR, IMMEDIATE BLU STRM CUT, TRC BENT

CHK; 40%; GRY TO LT GRY, SOFT, SH LAMIN, CALC NODULES, PYR INCLUS, POOR INTRXLN POR, YLW FLUOR, IMMEDIATE BLU STRM CUT, TRC BENT



RY, SOFT, ES, FRACT INCLUS, W FLUOR, TRC BENT	CHK; 45%; GRY TO LT GRY, SOFT, SH LAMIN, PYR INCLUS, POOR INTRXLN POR, YLW FLUOR, IMMED BLU STRM CUT, TRC BENT	CHK; 40%; LT GRY TO GRY, SOFT TO BRITTLE, SH LAMIN, CALC NODULES, POOR INTRXLN POR, YLW FLUOR, IMMED BLU STRM CUT	CHK; 45%; GRY TO LT GRY, SOFT, SH LAMIN, CALC NODULES, PYR INCLUS, POOR INTRXLN POR, YLW FLUOR, IMMED BLU STRM CUT, TRC BENT	CHK; 40%; GRY TO LT GRY, SOFT, SH LAMIN, CALC NODULES, FRACT HEALED W/CALC, POOR INTRXLN POR, YLW FLUOR, IMMED BLU STRM CUT, TRC BENT	CHK; 40%; GRY TO LT GRY, SOFT, SH LAMIN, CALC NODULES, PYR INCLUS, POOR INTRXLN POR, YLW FLUOR, IMMED BLU STRM CUT, TRC BENT	CHK; 35%; GRY TO LT GRY, SOFT, SH LAMIN, CALC NODULES, PYR INCLUS, POOR INTRXLN POR, YLW FLUOR, IMMED BLU STRM CUT, TRC BENT	CHK; 45%; GRY TO DK GRY, SOFT, SH LAMIN, CALC NODULES, PYR INCLUS, POOR INTRXLN POR, IMMED BLU STRM CUT
	MD 7506 TVD 6650.6 Az 179.11° Inc 90.19° VS 1238.26			MD 7569 TVD 6650.26 Az 179.05° Inc 90.43° VS 1301.26		MD 7632 TVD 6648.9 Az 179.96° Inc 92.04° VS 1364.24	



MD 7696 TVD 6646.62
Az 179.36° Inc 92.04° VS 1428.19

MD 7727 TVD 6645.42
Az 179.12° Inc 92.41° VS 1459.17

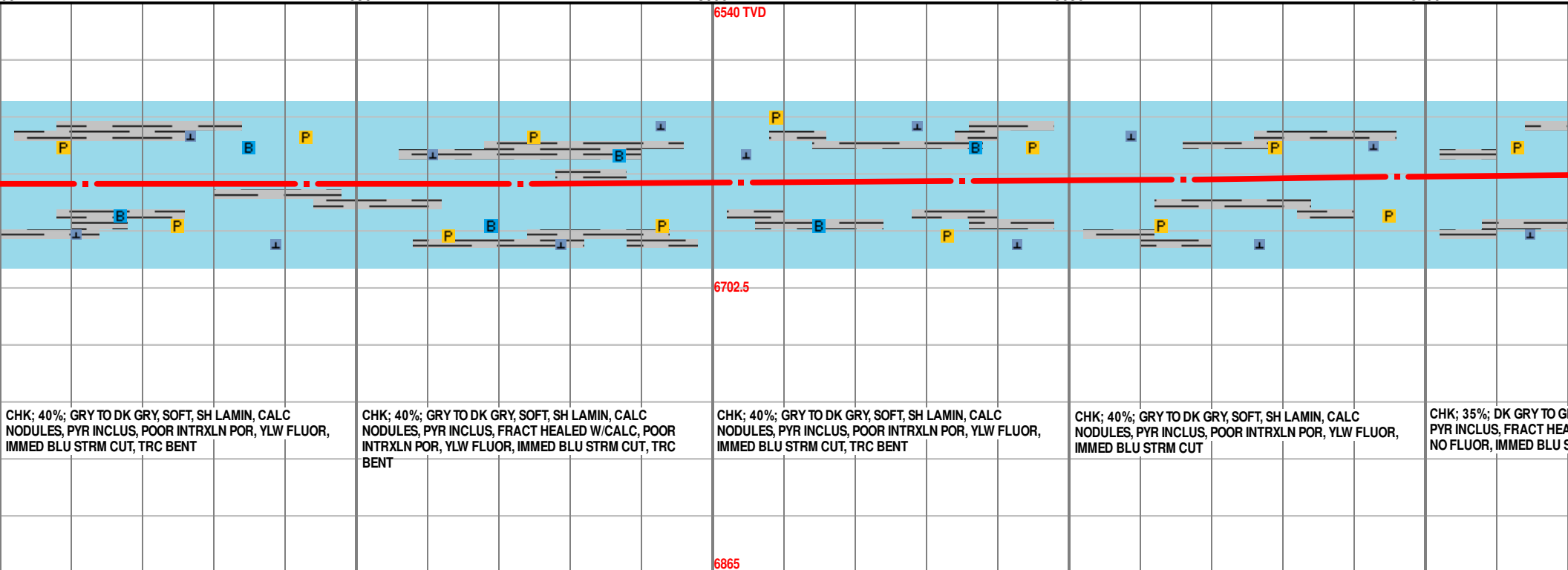
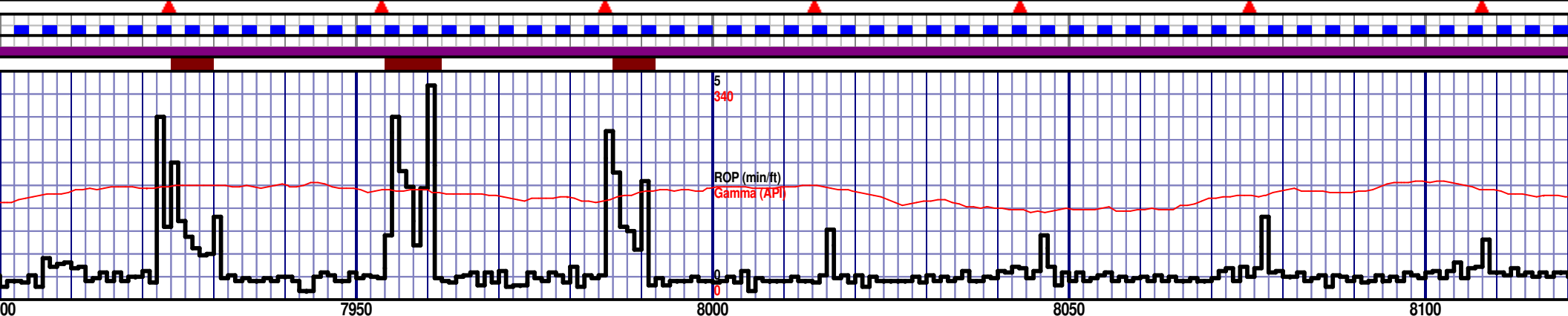
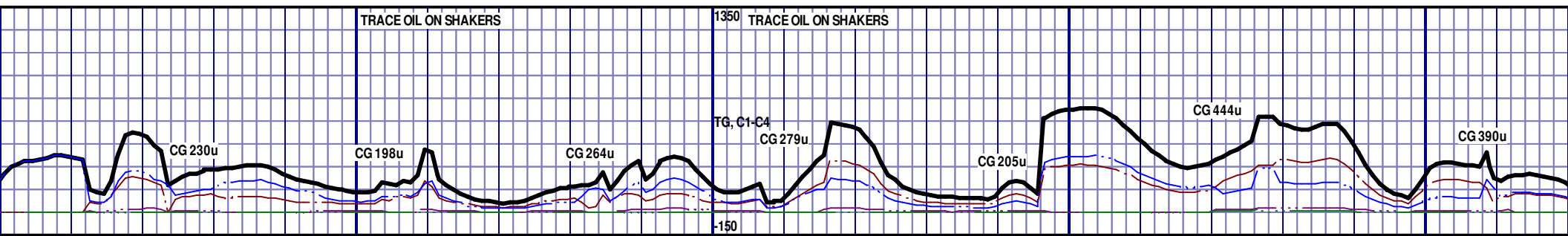
MD 7759 TVD 6644.37
Az 178.77° Inc 91.36° VS 1491.14

MD 7790 TVD 6643.82
Az 178.21° Inc 90.68° VS 1522.13

MD 7820 TVD 6643.4
Az 178.37° Inc 90.93° VS 1552.11

MD 7851 TVD 6643.06
Az 177.82° Inc 90.31° VS 1583.09

MD 7882 TVD 6643.13
Az 176.85° Inc 89.44° VS 1614.07



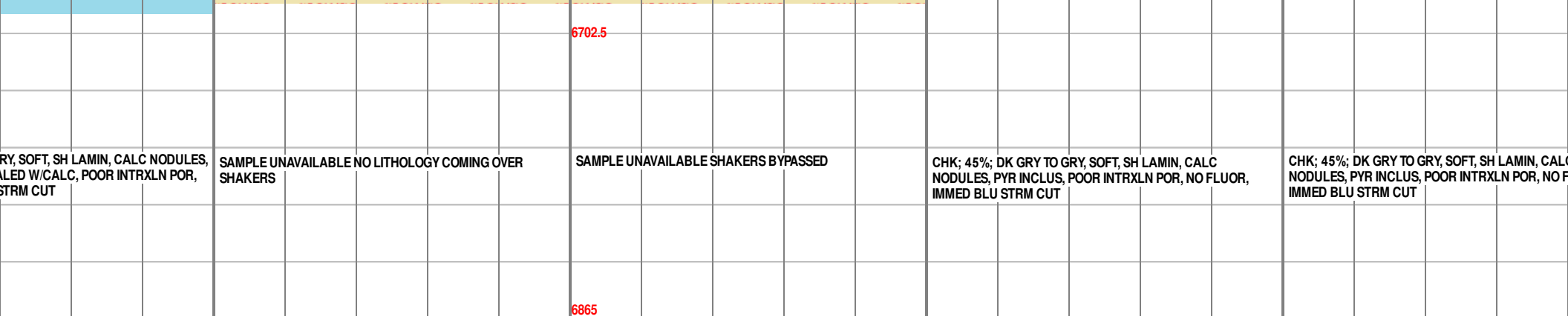
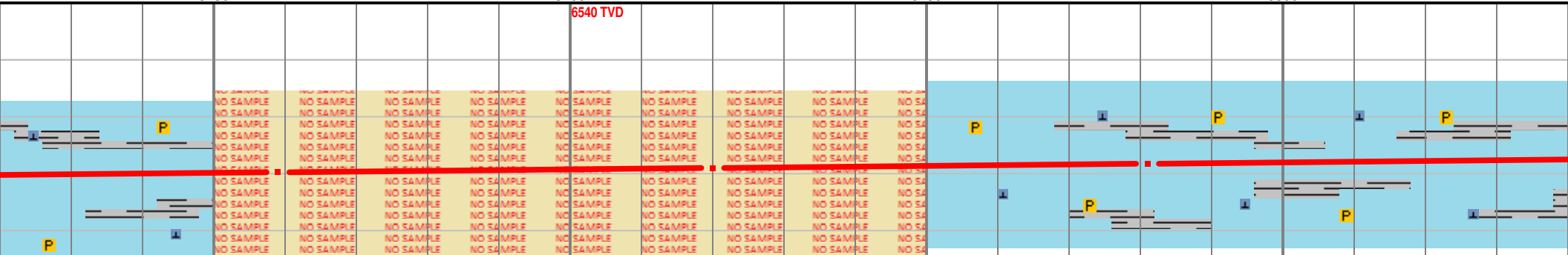
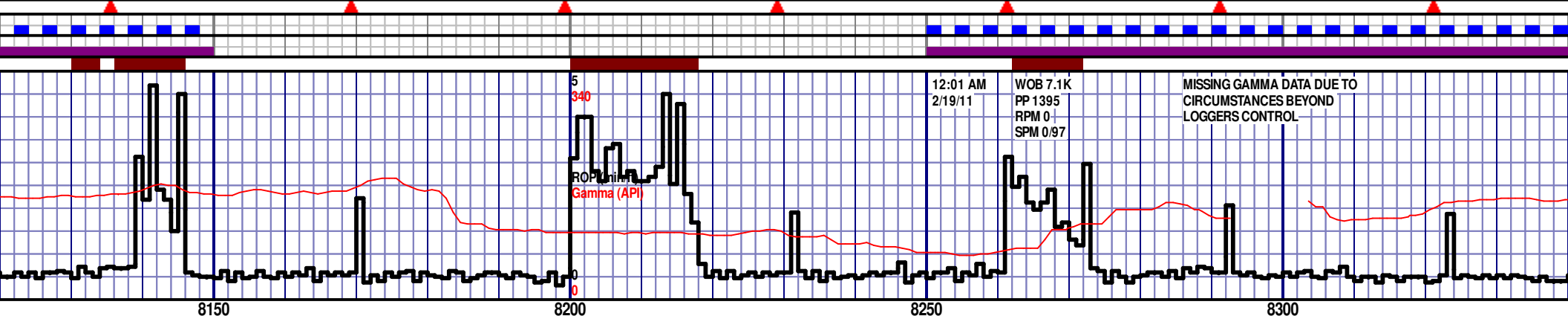
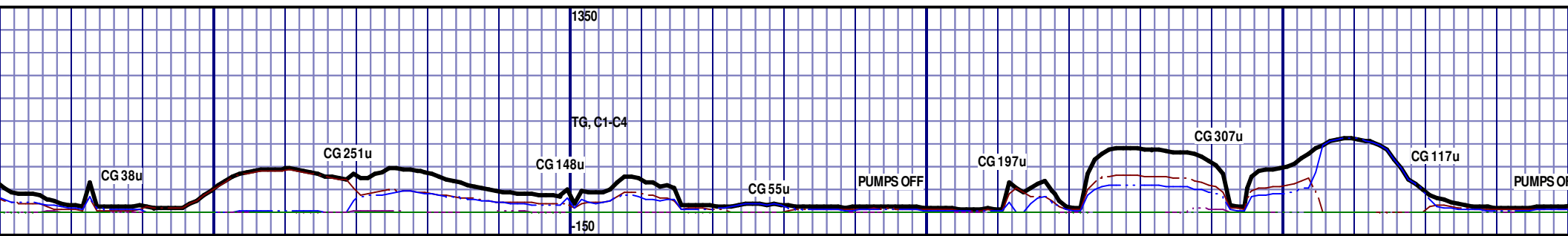
CHK; 40%; GRY TO DK GRY, SOFT, SH LAMIN, CALC NODULES, PYR INCLUS, POOR INTRXLN POR, YLW FLUOR, IMMED BLU STRM CUT, TRC BENT

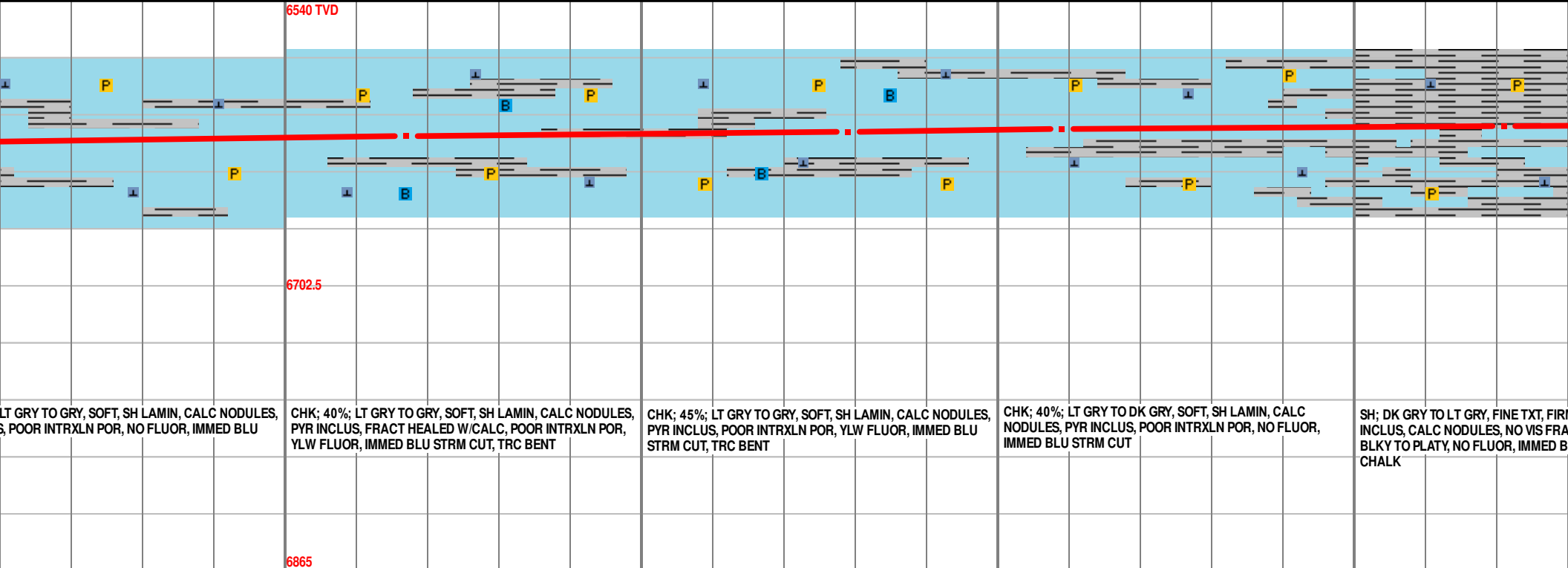
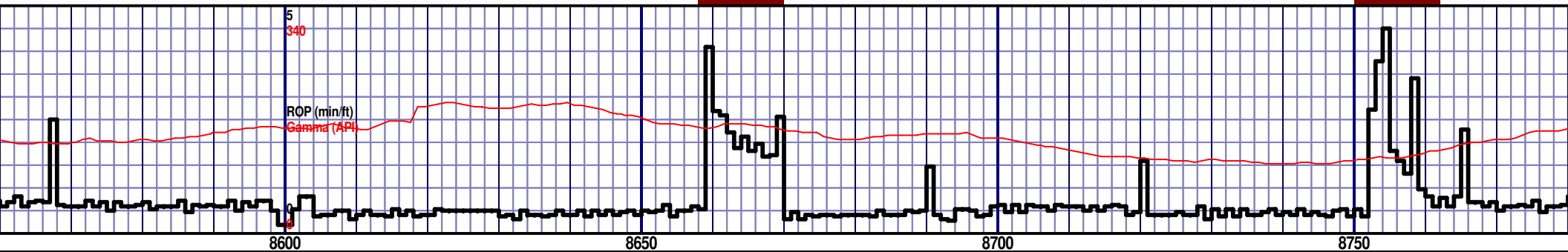
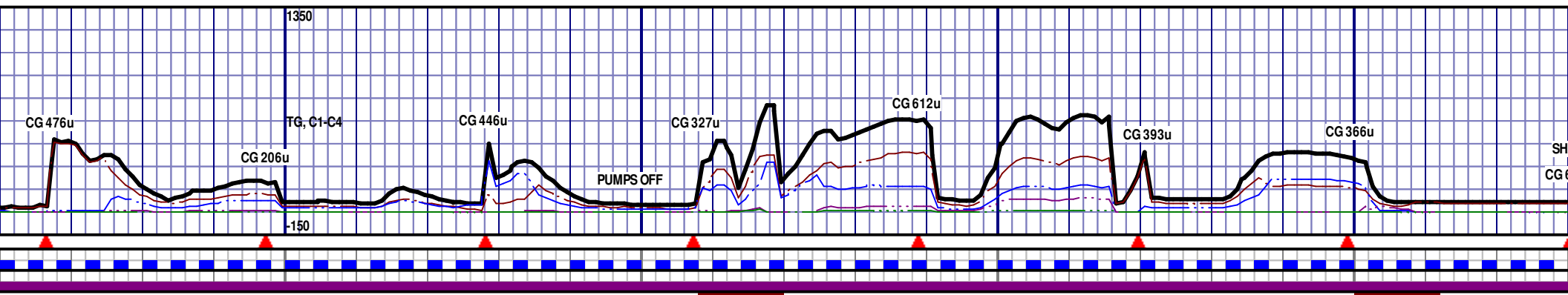
CHK; 40%; GRY TO DK GRY, SOFT, SH LAMIN, CALC NODULES, PYR INCLUS, FRACT HEALED W/CALC, POOR INTRXLN POR, YLW FLUOR, IMMED BLU STRM CUT, TRC BENT

CHK; 40%; GRY TO DK GRY, SOFT, SH LAMIN, CALC NODULES, PYR INCLUS, POOR INTRXLN POR, YLW FLUOR, IMMED BLU STRM CUT, TRC BENT

CHK; 40%; GRY TO DK GRY, SOFT, SH LAMIN, CALC NODULES, PYR INCLUS, POOR INTRXLN POR, YLW FLUOR, IMMED BLU STRM CUT

CHK; 35%; DK GRY TO GRY, SOFT, SH LAMIN, CALC NODULES, PYR INCLUS, FRACT HEALED W/CALC, POOR INTRXLN POR, YLW FLUOR, IMMED BLU STRM CUT





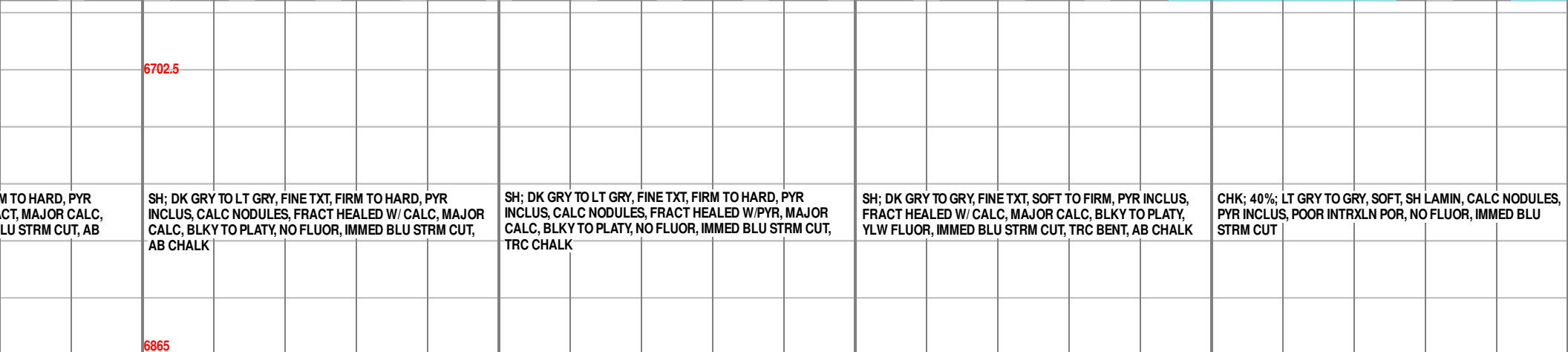
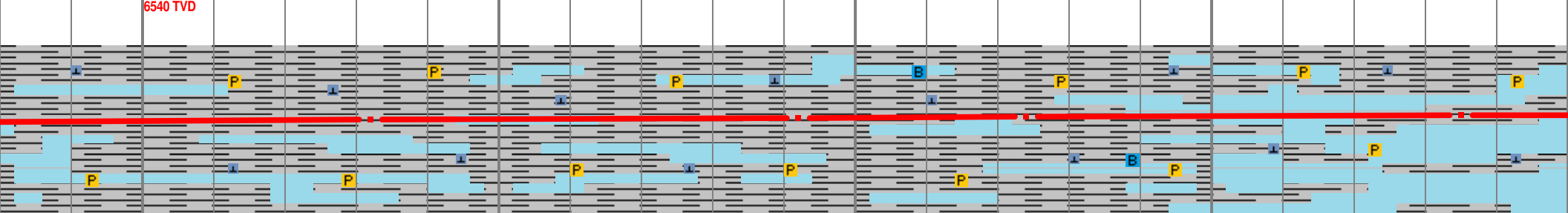
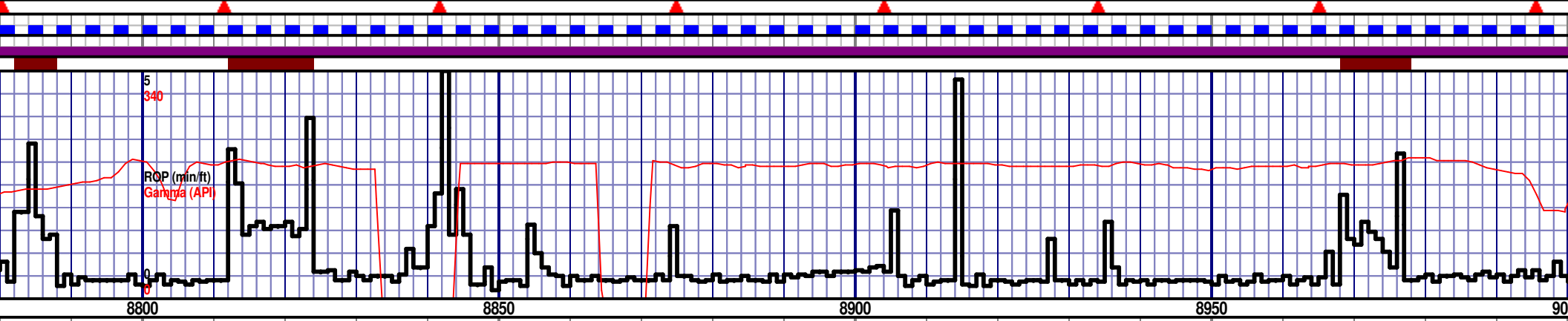
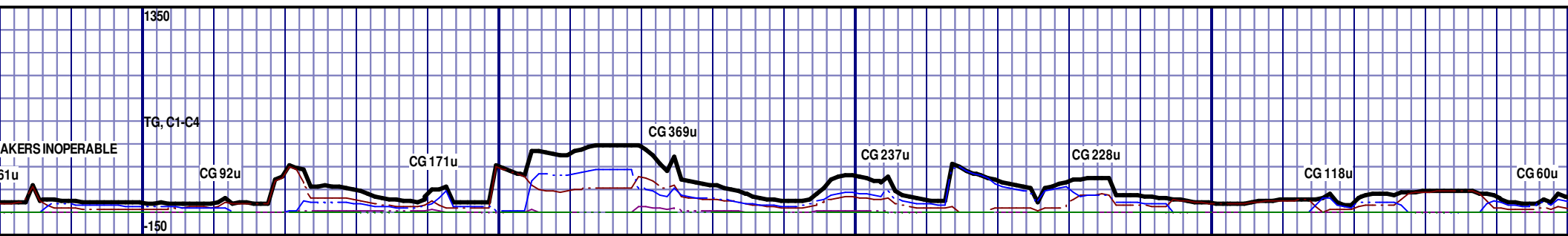
8556 TVD 6620.4
Az 180.83° Inc 92.35° VS 2287.22

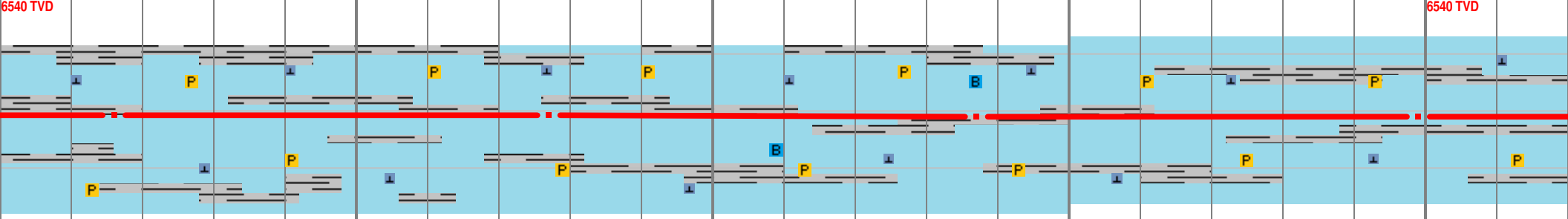
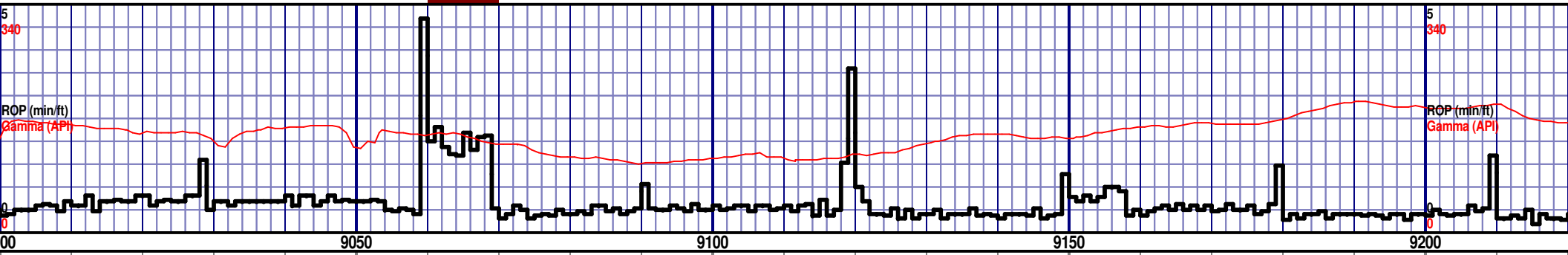
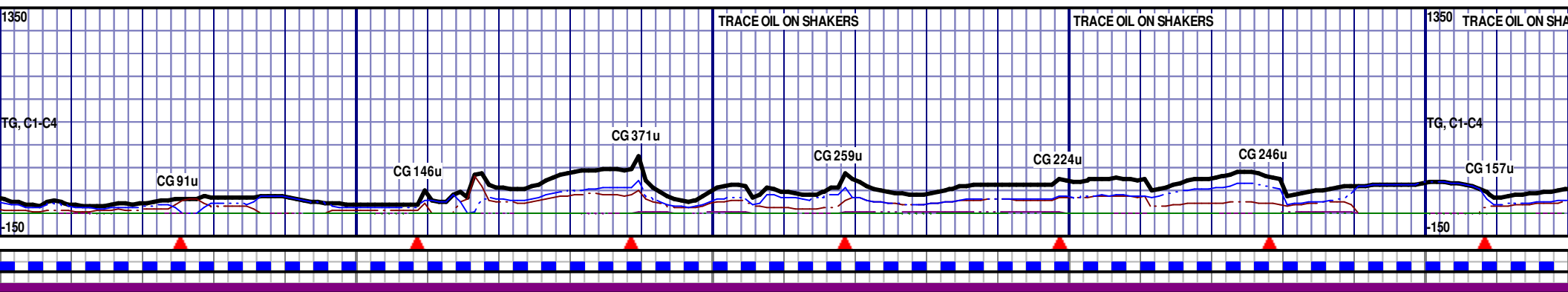
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Az 181.16° Inc 93.28° VS 2348.14

MD 8679 TVD 6614.43
Az 181.48° Inc 92.22° VS 2410.05

MD 8709 TVD 6613.29
Az 181.34° Inc 92.16° VS 2440.02

MD 8771 TVD 6612.14
Az 181.47° Inc 92.16° VS 2440.02





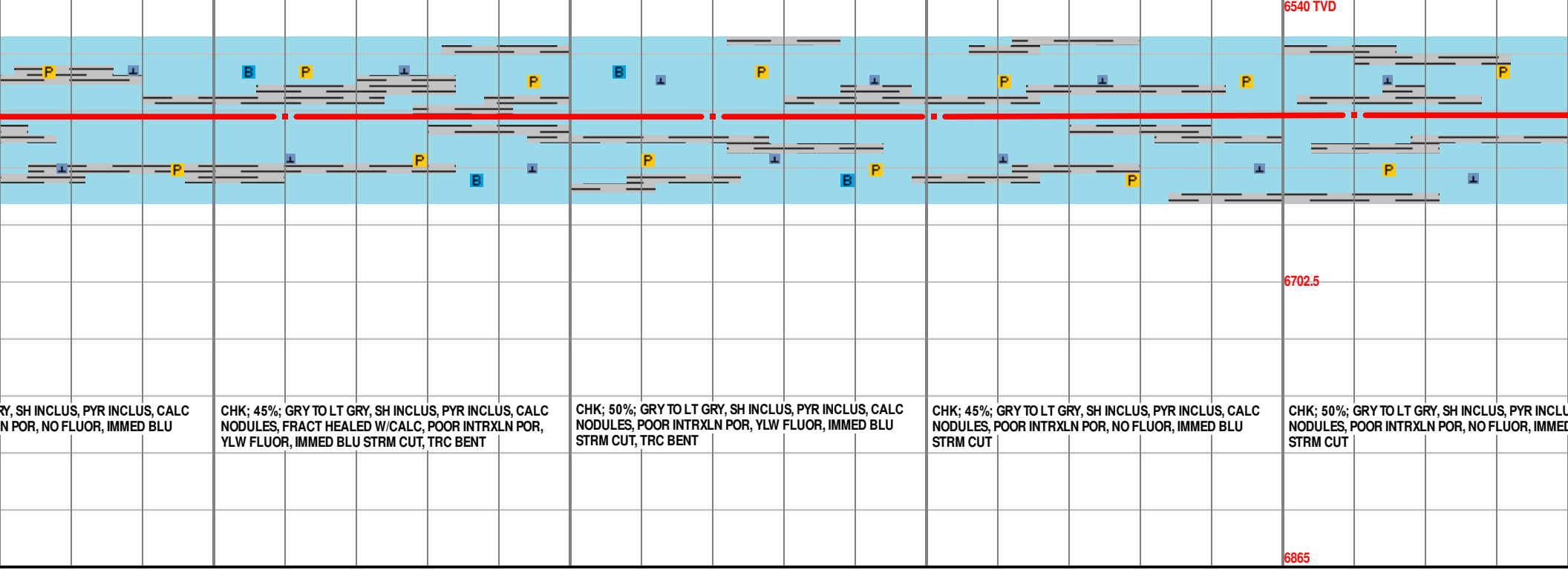
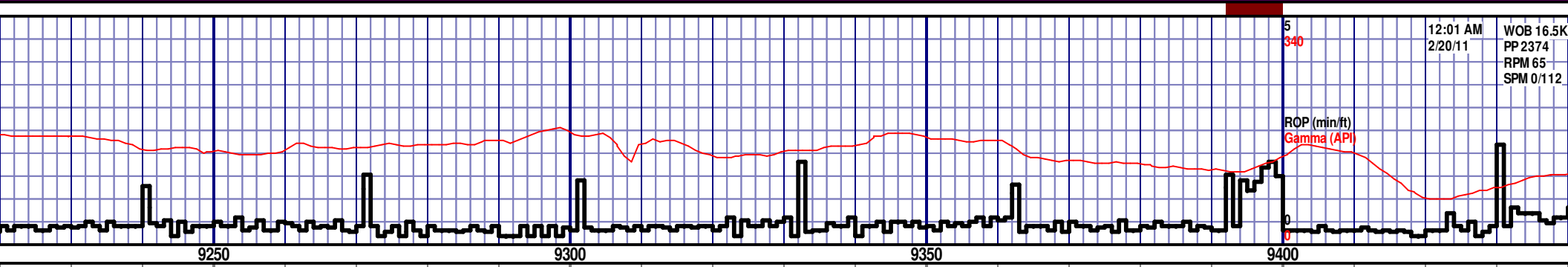
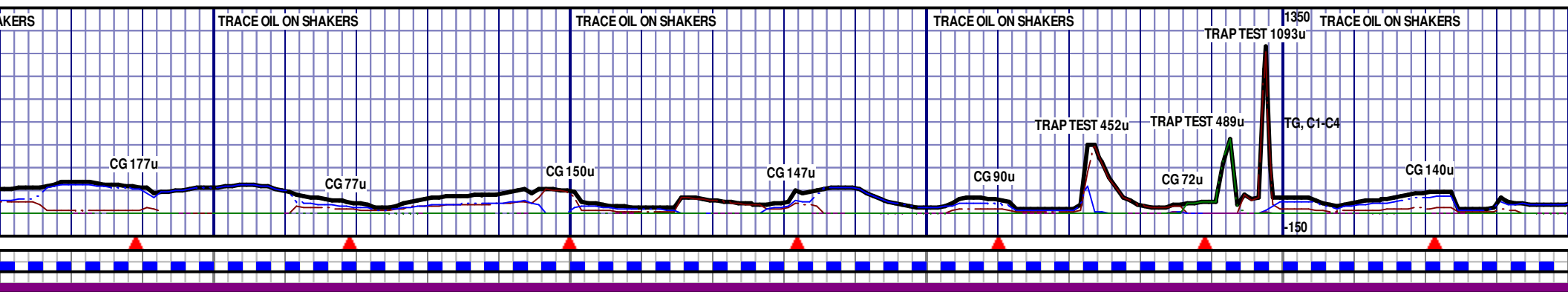
CHK; 40%; LT GRY TO GRY, SOFT, SH LAMIN, CALC NODULES, PYR INCLUS, POOR INTRXLN POR, NO FLUOR, IMMED BLU STRM CUT

CHK; 40%; LT GRY TO GRY, SOFT, SH LAMIN, PYR INCLUS, CALC NODULES, POOR INTRXLN POR, NO FLUOR, IMMED BLU STRM CUT

CHK; 45%; GRY TO LT GRY, SH INCLUS, PYR INCLUS, CALC NODULES, POOR INTRXLN POR, YLW FLUOR, IMMED BLU STRM CUT, TRC BENT

CHK; 40%; GRY TO LT GRY, SH INCLUS, PYR INCLUS, CALC NODULES, FRACT HEALD W/CALC, POOR INTRXLN POR, NO FLUOR, IMMED BLU STRM CUT

CHK; 45%; GRY TO LT GRY, SH INCLUS, PYR INCLUS, CALC NODULES, POOR INTRXLN POR, NO FLUOR, IMMED BLU STRM CUT



RY, SH INCLUS, PYR INCLUS, CALC N POR, NO FLUOR, IMMED BLU

CHK; 45%; GRY TO LT GRY, SH INCLUS, PYR INCLUS, CALC NODULES, FRACT HEALED W/CALC, POOR INTRXLN POR, YLW FLUOR, IMMED BLU STRM CUT, TRC BENT

CHK; 50%; GRY TO LT GRY, SH INCLUS, PYR INCLUS, CALC NODULES, POOR INTRXLN POR, YLW FLUOR, IMMED BLU STRM CUT, TRC BENT

CHK; 45%; GRY TO LT GRY, SH INCLUS, PYR INCLUS, CALC NODULES, POOR INTRXLN POR, NO FLUOR, IMMED BLU STRM CUT

CHK; 50%; GRY TO LT GRY, SH INCLUS, PYR INCLUS, CALC NODULES, POOR INTRXLN POR, NO FLUOR, IMMED BLU STRM CUT

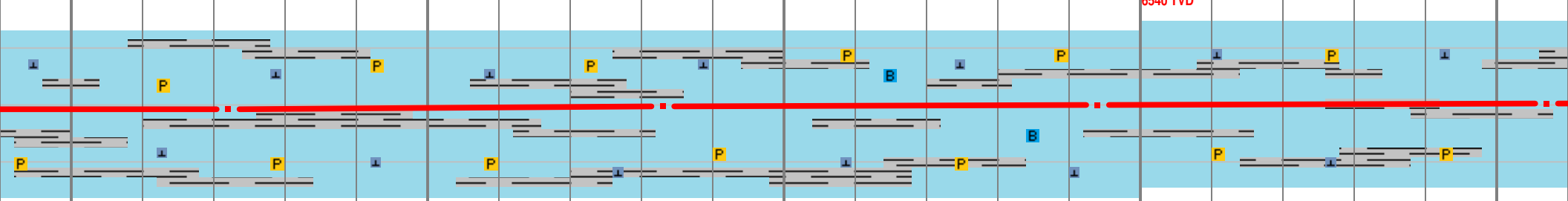
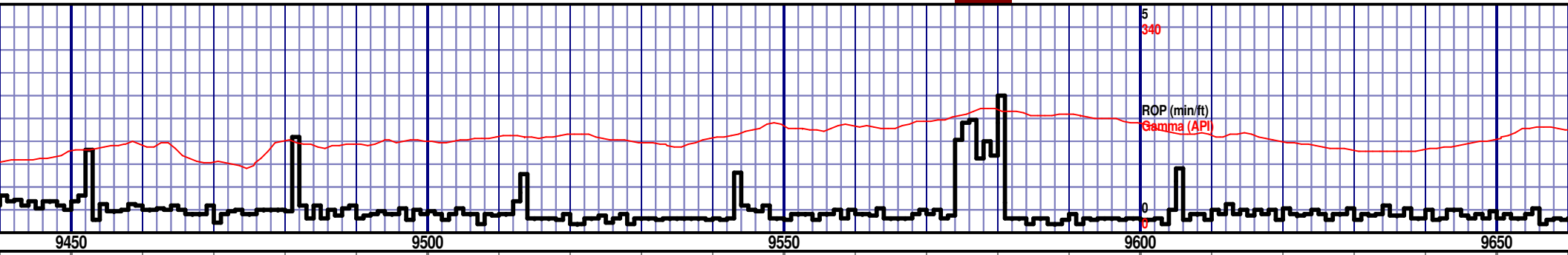
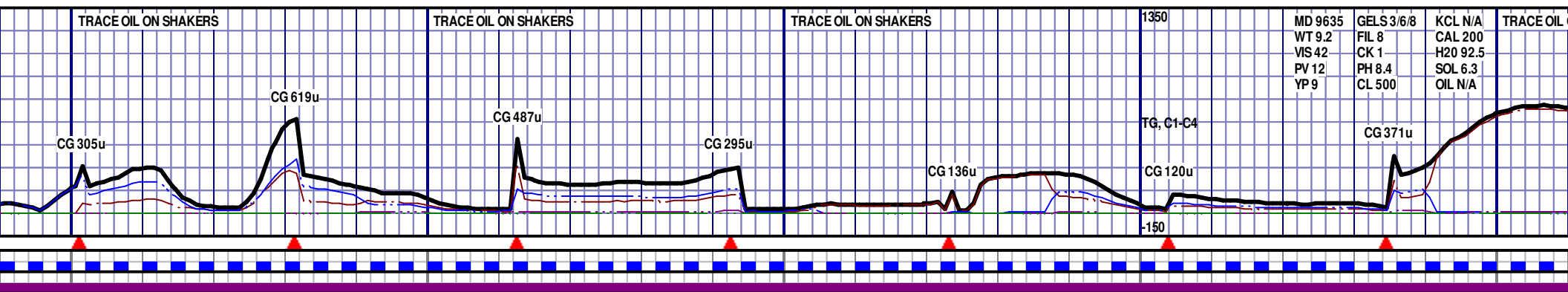
VS 2929.84

MD 9260 TVD 6608.24
Az 181.36° Inc 90° VS 2990.83

MD 9320 TVD 6608.17
Az 181.22° Inc 90.12° VS 3050.81

MD 9351 TVD 6608.09
Az 181.21° Inc 90.19° VS 3081.81

MD 9410 TVD 6607.74
Az 181.02° Inc 90.49° VS 3140.79



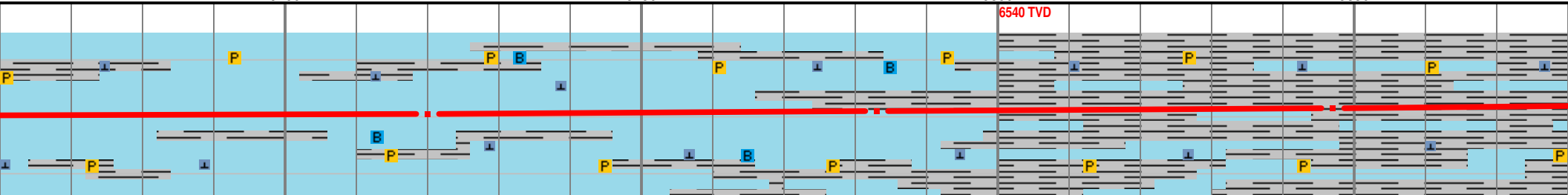
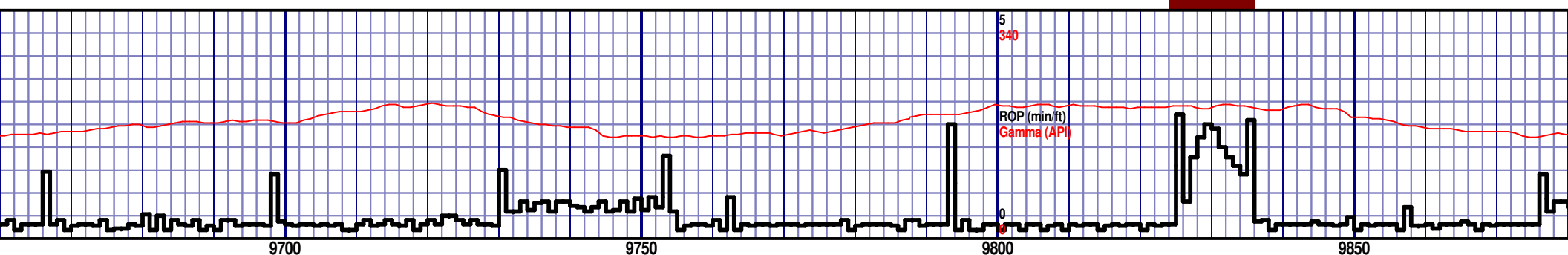
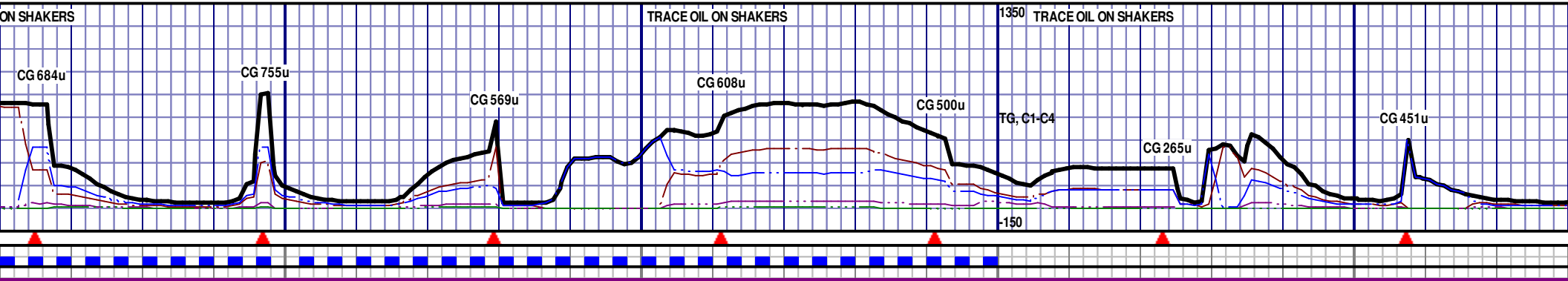
US, CALC D BLU	CHK; 50%; GRY TO LT GRY, SH INCLUS, PYR INCLUS, CALC NODULES, FRACT HEALED W/CALC, POOR INTRXLN POR, NO FLUOR, IMMED BLU STRM CUT	CHK; 45%; GRY TO LT GRY, SH INCLUS, PYR INCLUS, CALC NODULES, POOR INTRXLN POR, NO FLUOR, IMMED BLU STRM CUT	CHK; 50%; GRY TO LT GRY, SH INCLUS, PYR INCLUS, CALC NODULES, POOR INTRXLN POR, YLW FLUOR, IMMED BLU STRM CUT, TRC BENT	CHK; 40%; GRY TO LT GRY, SH INCLUS, PYR INCLUS, CALC NODULES, FRACT HEALED W/CALC, POOR INTRXLN POR, NO FLUOR, IMMED BLU STRM CUT	CHK; 45%; NODULES, P FLUOR, IMM
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MD 9472 TVD 6607.11
Az 180.84° Inc 90.68° VS 3202.78

MD 9533 TVD 6606.09
Az 180.79° Inc 91.23° VS 3263.77

MD 9594 TVD 6605.13
Az 181.09° Inc 90.56° VS 3324.75

MD
Az



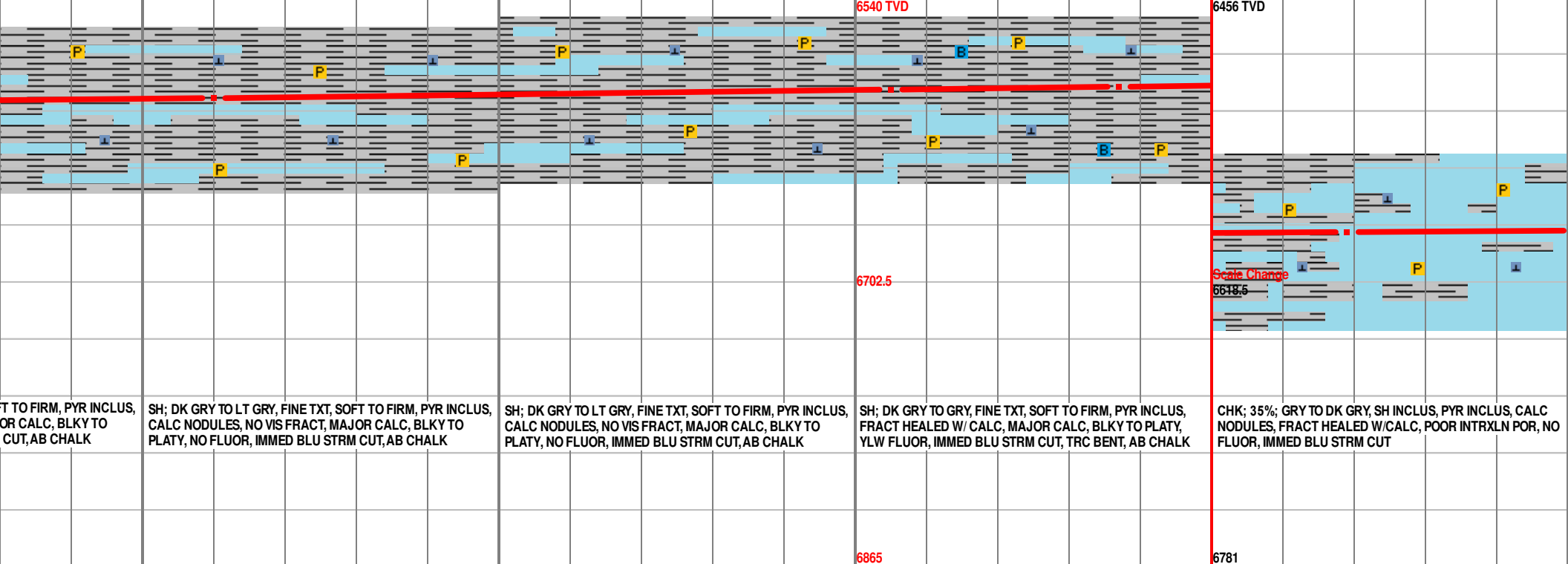
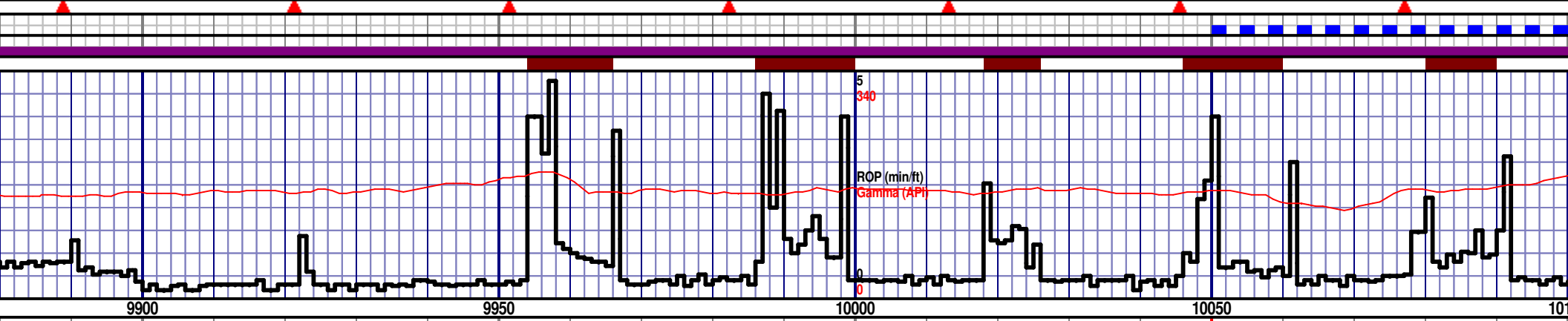
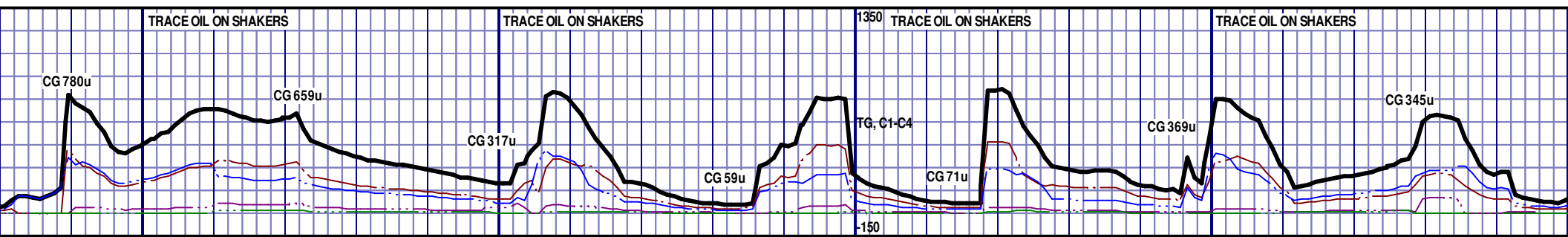
GRY TO LT GRY, SH INCLUS, PYR INCLUS, CALC
FRACT HEALED W/CALC, POOR INTRXLN POR, NO
IMMED BLU STRM CUT

CHK; 45%; GRY TO LT GRY, SH INCLUS, PYR INCLUS, CALC
NODULES, POOR INTRXLN POR, YLW FLUOR, IMMED BLU
STRM CUT, TRC BENT

CHK; 40%; GRY TO LT GRY, SH INCLUS, PYR INCLUS, CALC
NODULES, POOR INTRXLN POR, YLW FLUOR, IMMED BLU
STRM CUT, TRC BENT

SH; DK GRY TO LT GRY, FINE TXT, SOFT TO FIRM, PYR INCLUS,
NO VIS FRACT, MAJOR CALC, BLKY TO PLATY, NO FLUOR,
IMMED BLU STRM CUT, AB CHALK

SH; DK GRY TO LT GRY, FINE TXT, SOFT TO FIRM, PYR INCLUS,
NO VIS FRACT, MAJOR CALC, BLKY TO PLATY, NO FLUOR,
IMMED BLU STRM CUT, AB CHALK



T TO FIRM, PYR INCLUS, OR CALC, BLKY TO CUT, AB CHALK

SH; DK GRY TO LT GRY, FINE TXT, SOFT TO FIRM, PYR INCLUS, CALC NODULES, NO VIS FRACT, MAJOR CALC, BLKY TO PLATY, NO FLUOR, IMMED BLU STRM CUT, AB CHALK

SH; DK GRY TO LT GRY, FINE TXT, SOFT TO FIRM, PYR INCLUS, CALC NODULES, NO VIS FRACT, MAJOR CALC, BLKY TO PLATY, NO FLUOR, IMMED BLU STRM CUT, AB CHALK

SH; DK GRY TO GRY, FINE TXT, SOFT TO FIRM, PYR INCLUS, FRACT HEALED W/ CALC, MAJOR CALC, BLKY TO PLATY, YLW FLUOR, IMMED BLU STRM CUT, TRC BENT, AB CHALK

CHK; 35%; GRY TO DK GRY, SH INCLUS, PYR INCLUS, CALC NODULES, FRACT HEALED W/CALC, POOR INTRXLN POR, NO FLUOR, IMMED BLU STRM CUT

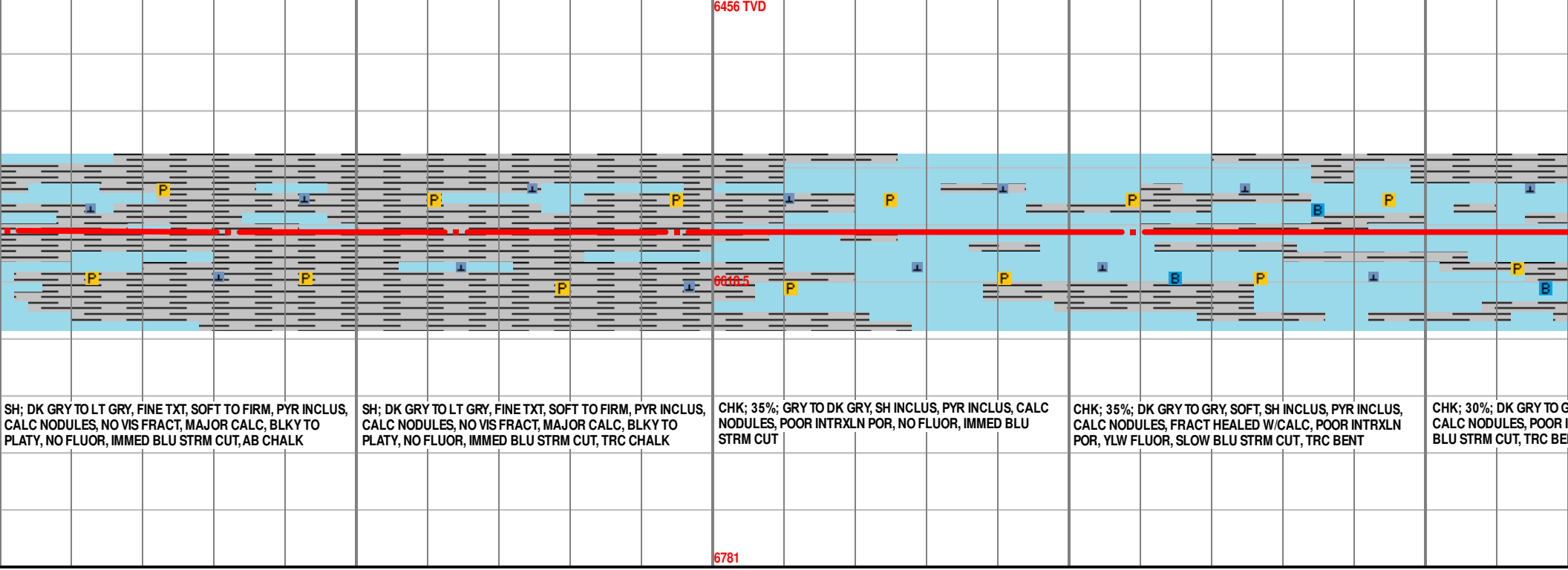
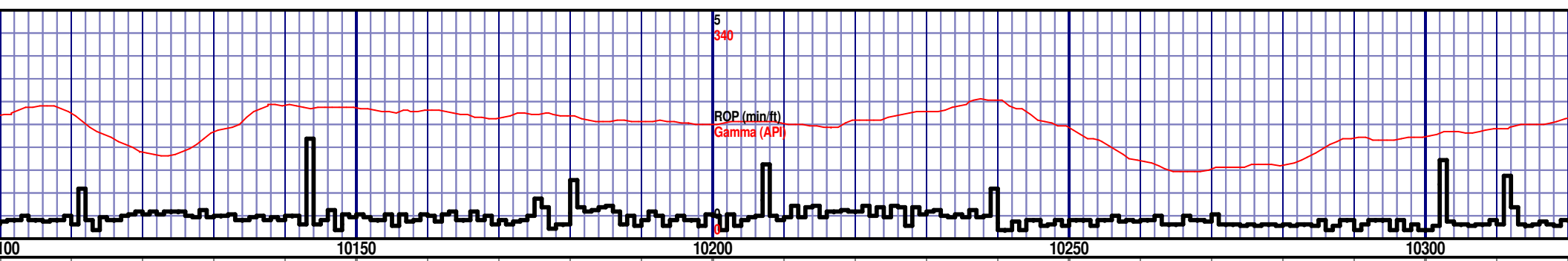
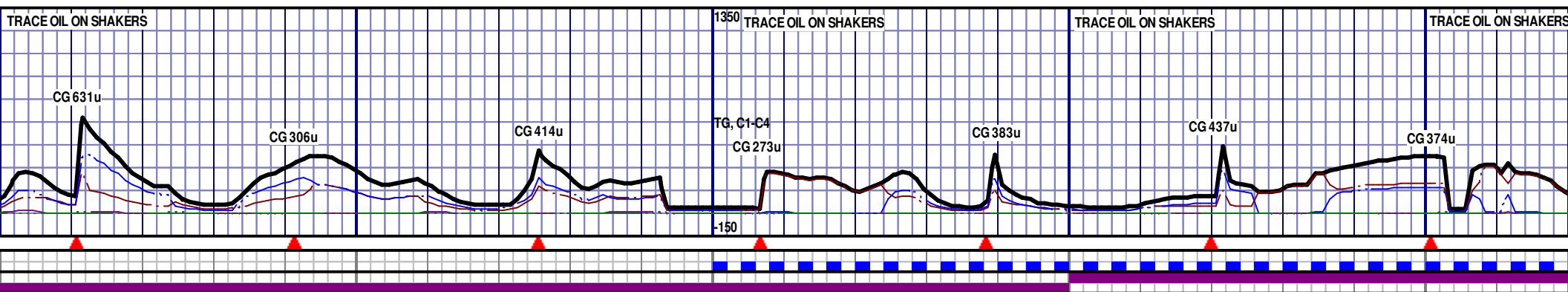
MD 9910 TVD 6597.93
Az 183.84° Inc 92.97° VS 3640.49

VS 3703.2

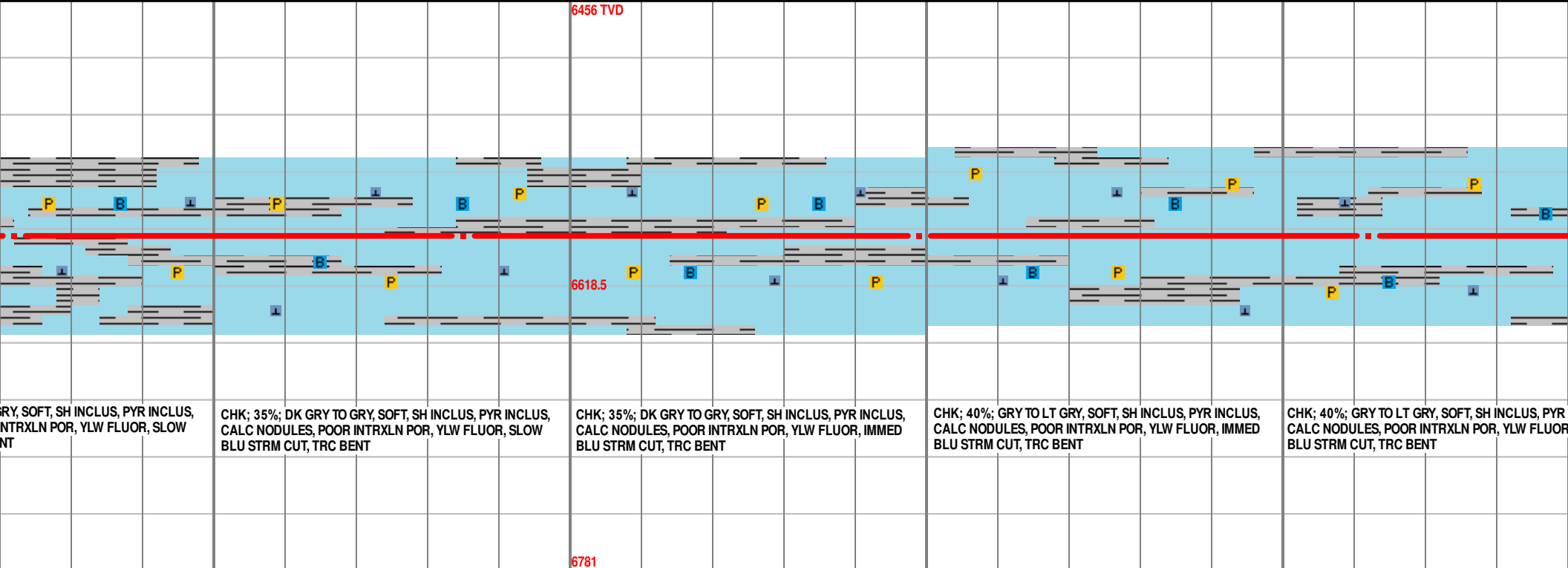
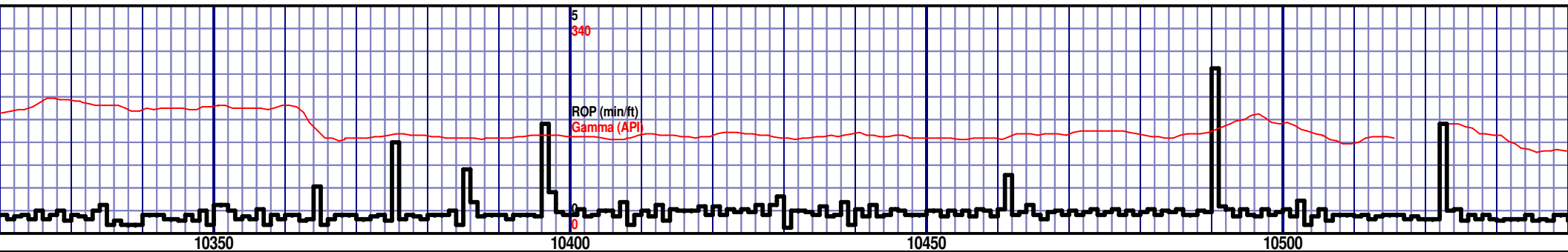
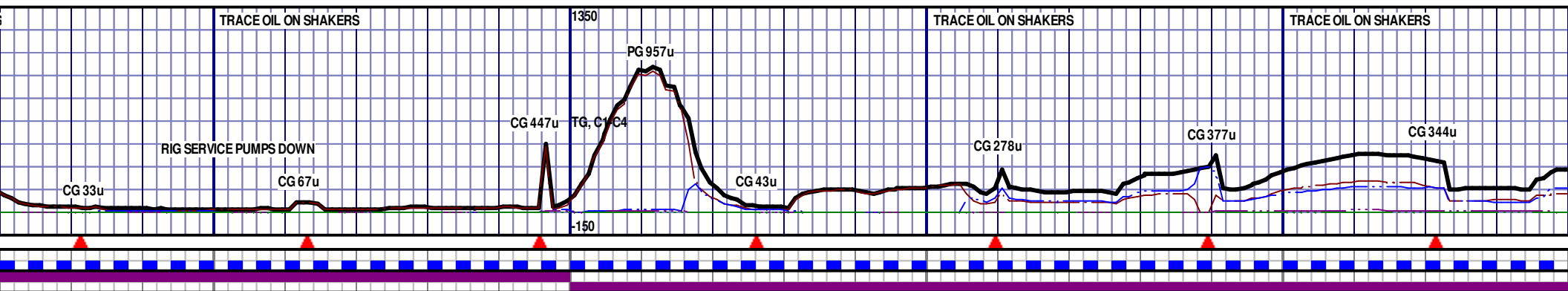
MD 10005 TVD 6592.81
Az 184.14° Inc 93.21° VS 3735.03

MD 10037 TVD 6591.1
Az 184.72° Inc 92.9° VS 3766.89

MD 10069 TVD 6589.9
Az 183.78° Inc 91.42° VS 3798.78



MD 10101 TVD 6589.57	MD 10132 TVD 6589.7	MD 10164 TVD 6589.84	MD 10195 TVD 6589.99	MD 10259 TVD 6590.16
Az 183.46° Inc 89.75° VS 3830.71	Az 183.83° Inc 89.75° VS 3861.65	Az 183.99° Inc 89.75°	Az 183.32° Inc 89.69° VS 3924.53	Az 183.95° Inc 90° VS 3988.4



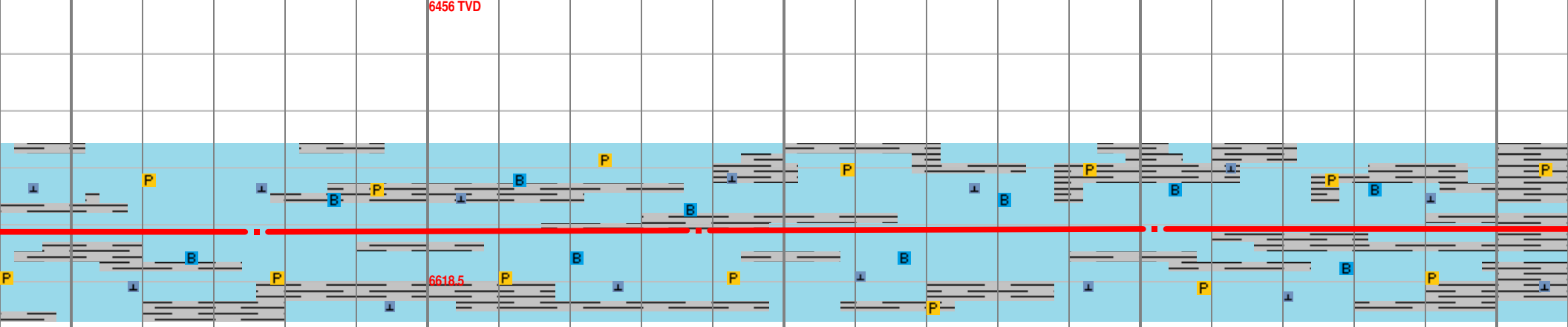
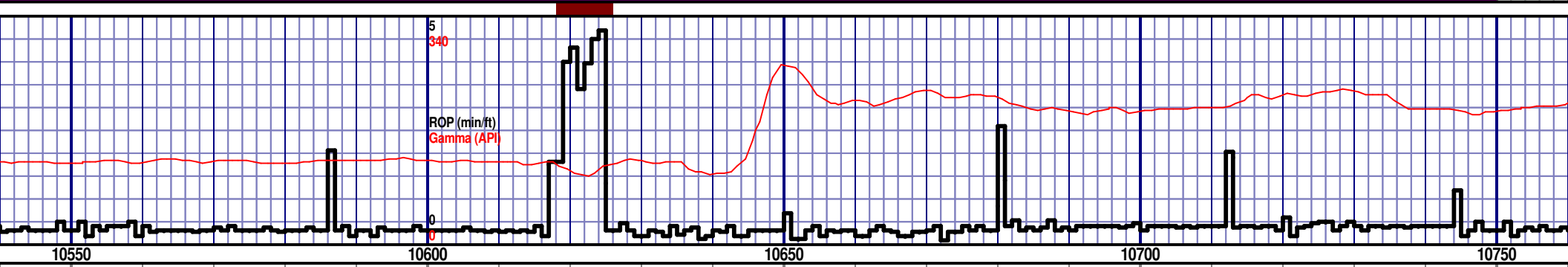
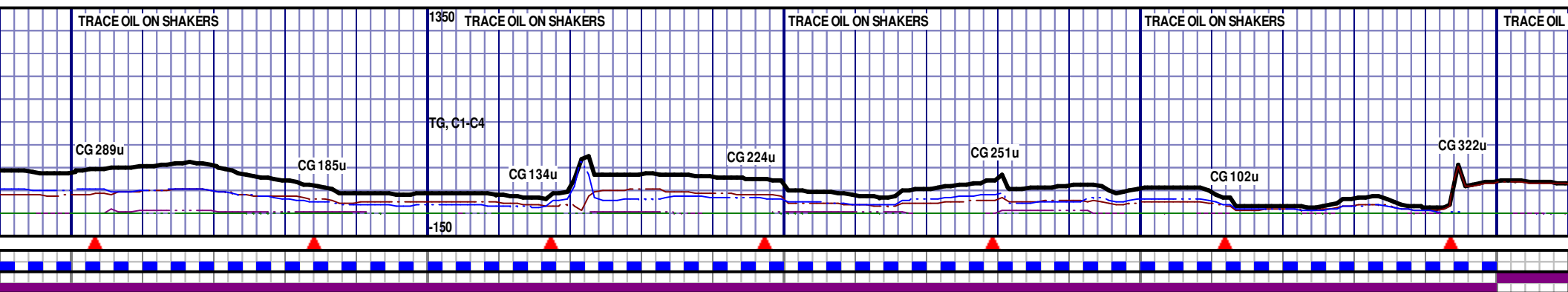
GRY, SOFT, SH INCLUS, PYR INCLUS, CALC NODULES, POOR INTRXLN POR, YLW FLUOR, SLOW BLU STRM CUT, TRC BENT

CHK; 35%; DK GRY TO GRY, SOFT, SH INCLUS, PYR INCLUS, CALC NODULES, POOR INTRXLN POR, YLW FLUOR, SLOW BLU STRM CUT, TRC BENT

CHK; 35%; DK GRY TO GRY, SOFT, SH INCLUS, PYR INCLUS, CALC NODULES, POOR INTRXLN POR, YLW FLUOR, IMMED BLU STRM CUT, TRC BENT

CHK; 40%; GRY TO LT GRY, SOFT, SH INCLUS, PYR INCLUS, CALC NODULES, POOR INTRXLN POR, YLW FLUOR, IMMED BLU STRM CUT, TRC BENT

CHK; 40%; GRY TO LT GRY, SOFT, SH INCLUS, PYR INCLUS, CALC NODULES, POOR INTRXLN POR, YLW FLUOR, IMMED BLU STRM CUT, TRC BENT

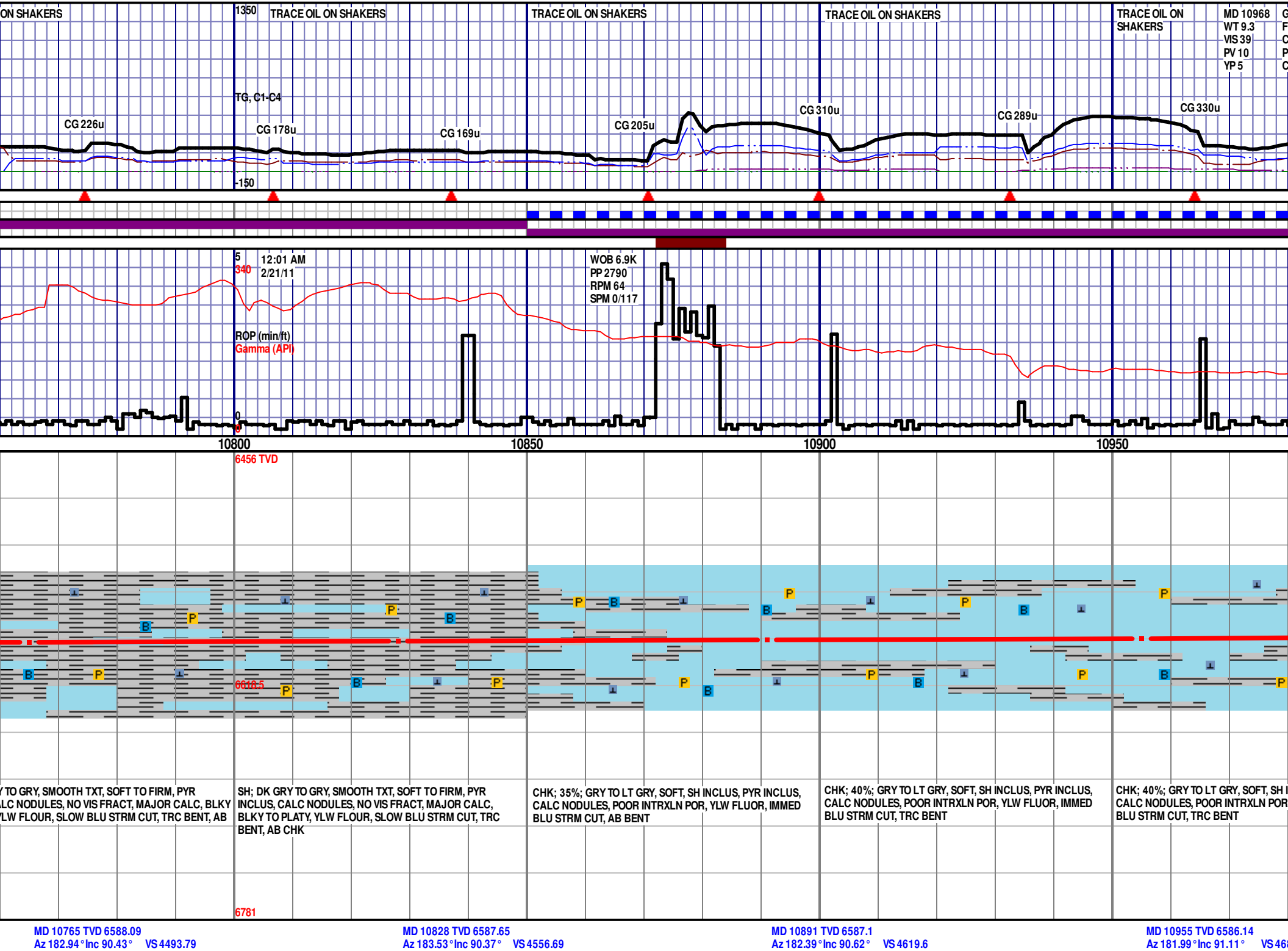


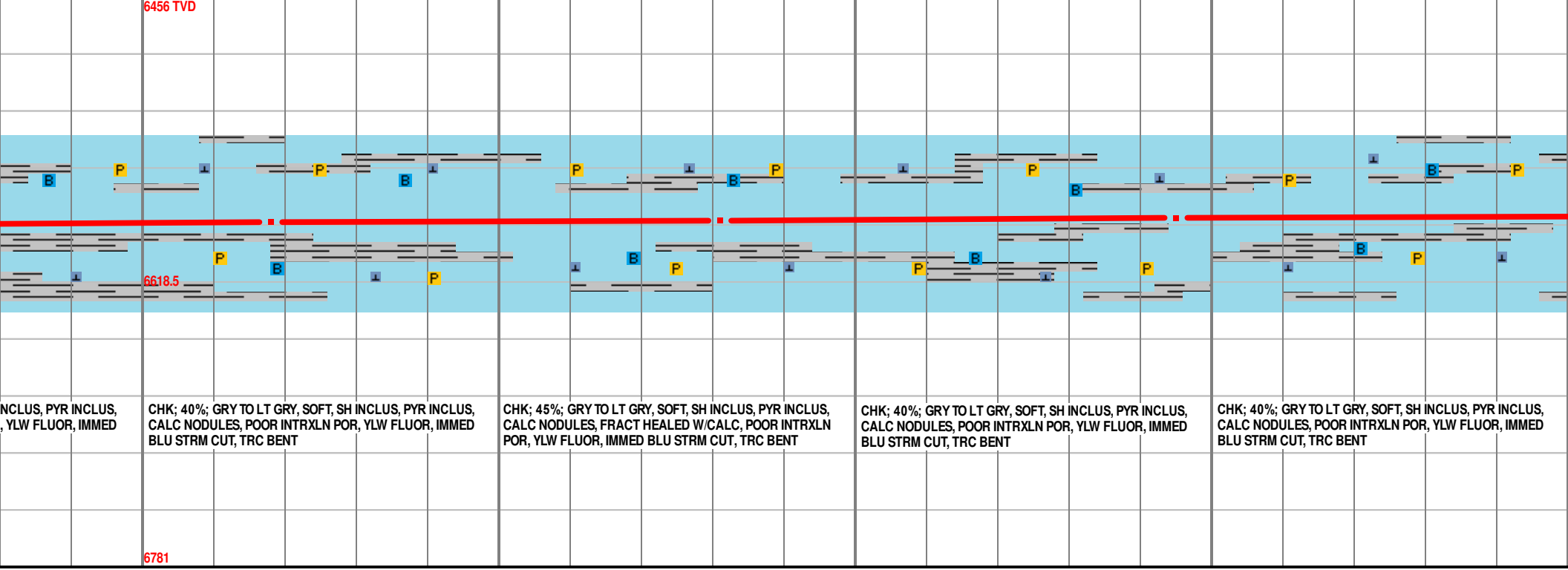
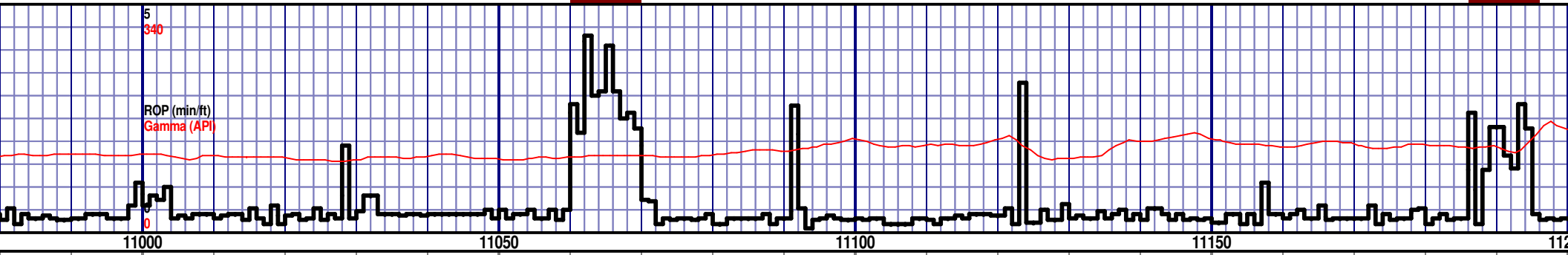
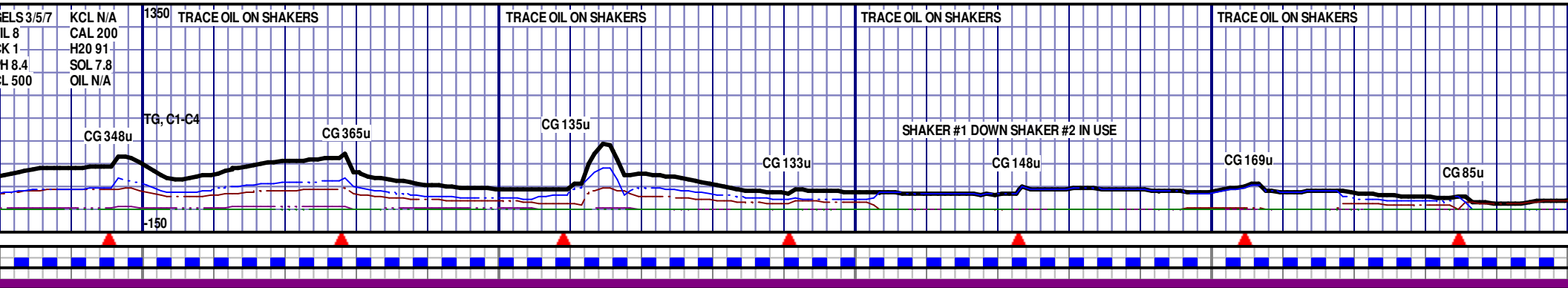
INCLUS, IMMED	CHK; 40%; GRY TO LT GRY, SOFT, SH INCLUS, PYR INCLUS, CALC NODULES, POOR INTRXLN POR, YLW FLUOR, IMMED BLU STRM CUT, TRC BENT	CHK; 45%; GRY TO LT GRY, SOFT, SH INCLUS, PYR INCLUS, CALC NODULES, POOR INTRXLN POR, YLW FLUOR, IMMED BLU STRM CUT, AB BENT	CHK; 40%; GRY TO LT GRY, SOFT, SH INCLUS, PYR INCLUS, CALC NODULES, POOR INTRXLN POR, YLW FLUOR, IMMED BLU STRM CUT, TRC BENT	CHK; 45%; GRY TO LT GRY, SOFT, SH INCLUS, PYR INCLUS, CALC NODULES, POOR INTRXLN POR, YLW FLUOR, IMMED BLU STRM CUT, AB BENT	SH; DK GRY INCLUS, CA TO PLATY, Y CHK
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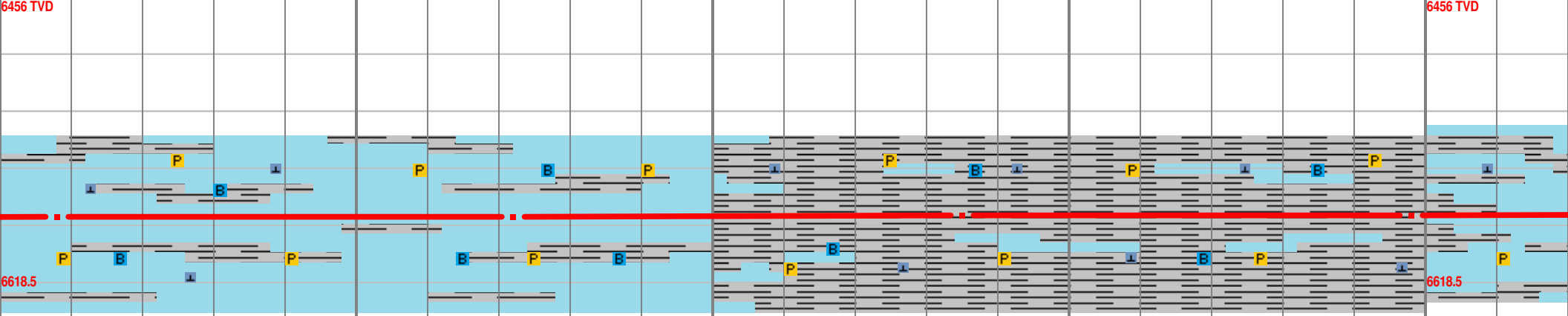
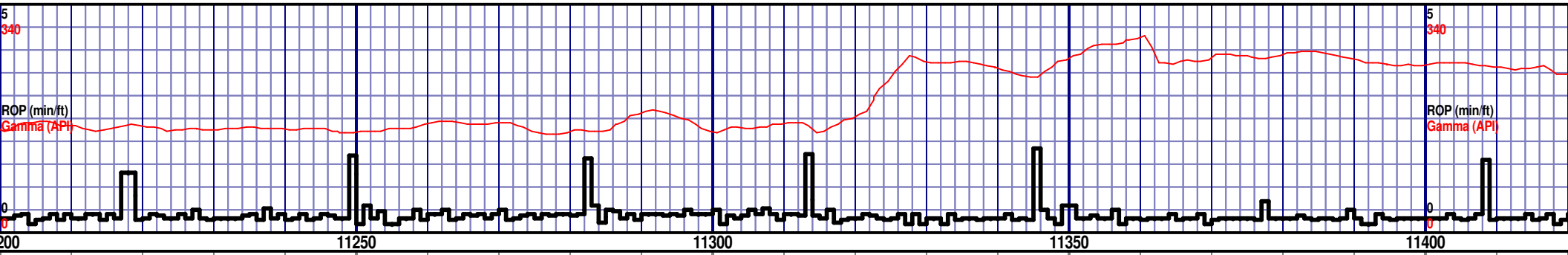
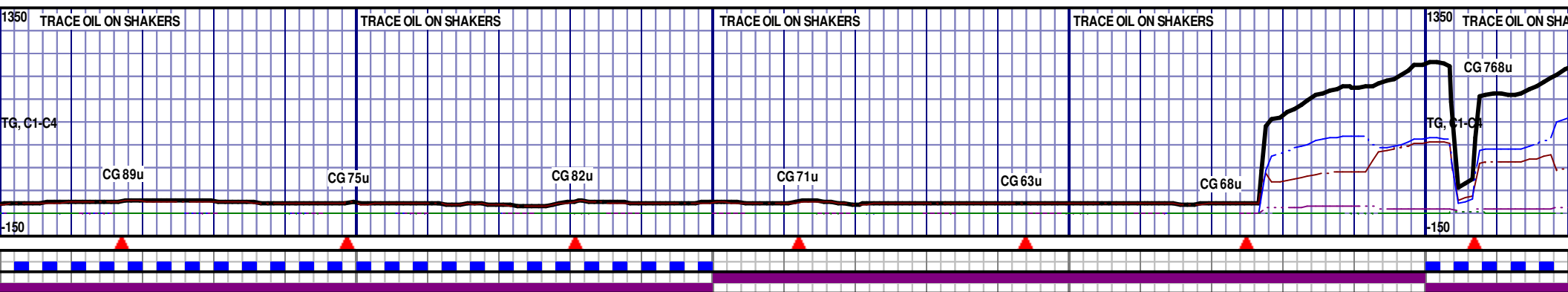
MD 10576 TVD 6589.92
Az 182.46° Inc 91.05° VS 4305.04

MD 10638 TVD 6589.01
Az 182.9° Inc 90.62° VS 4366.97

MD 10702 TVD 6588.5
Az 183.06° Inc 90.31° VS 4430.88







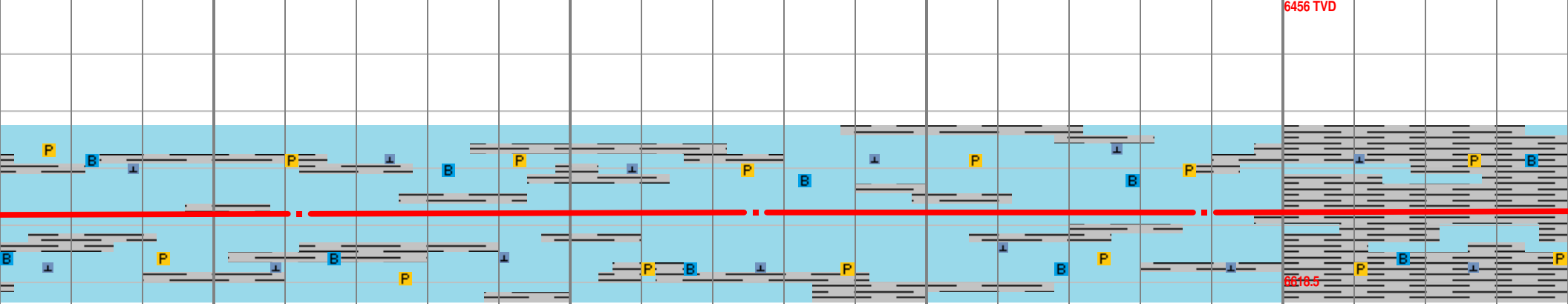
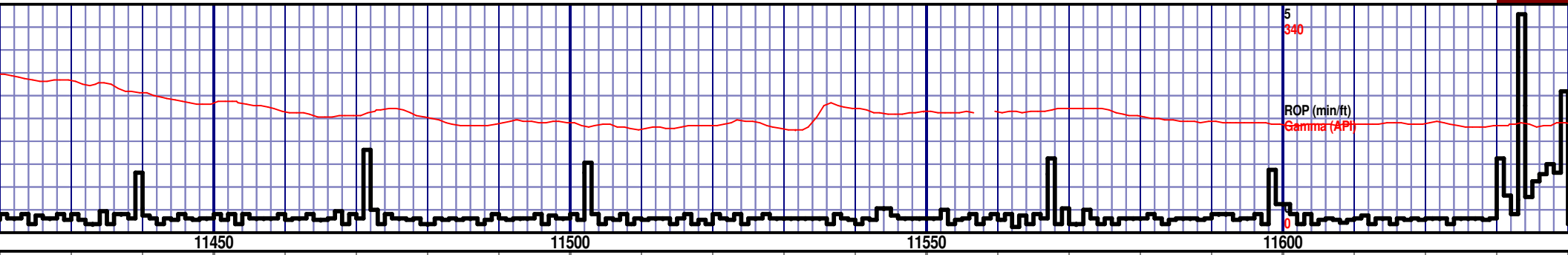
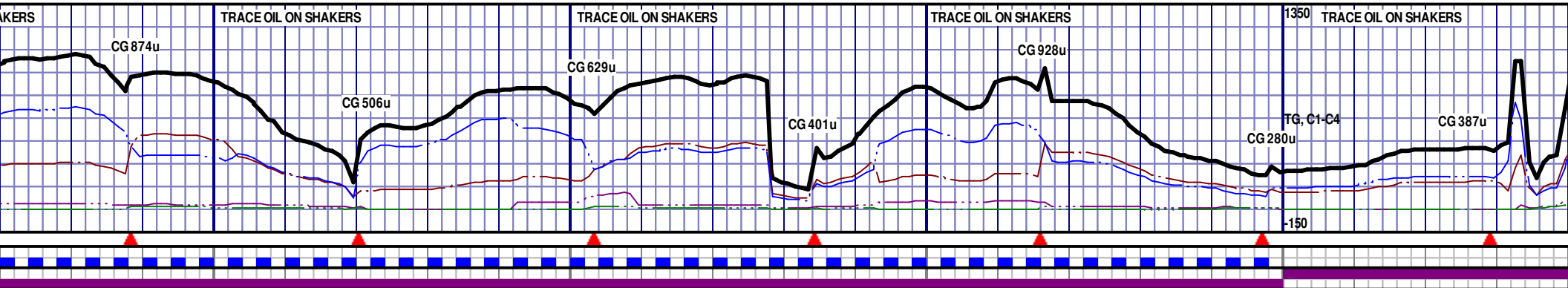
CHK; 45%; GRY TO LT GRY, SOFT, SH INCLUS, PYR INCLUS, CALC NODULES, FRACT HEALED W/CALC, POOR INTRXLN POR, YLW FLUOR, IMMED BLU STRM CUT, TRC BENT

CHK; 40%; GRY TO LT GRY, SOFT, SH INCLUS, PYR INCLUS, POOR INTRXLN POR, YLW FLUOR, IMMED BLU STRM CUT, AB BENT

SH; DK GRY TO GRY, FINE TXT, SOFT TO FIRM, PYR INCLUS, NO VIS FRACT, MAJOR CALC, BLKY TO PLATY, YLW FLOUR, SLOW BLU STRM CUT, TRC BENT, TRC CHK

SH; DK GRY TO GRY, FINE TXT, SOFT TO FIRM, PYR INCLUS, NO VIS FRACT, MAJOR CALC, BLKY TO PLATY, YLW FLOUR, SLOW BLU STRM CUT, TRC BENT, TRC CHK

CHK; 40%; GRY TO LT GRY, SOFT, SH INCLUS, PYR INCLUS, CALC NODULES, POOR INTRXLN POR, YLW FLUOR, IMMED BLU STRM CUT, TRC BENT



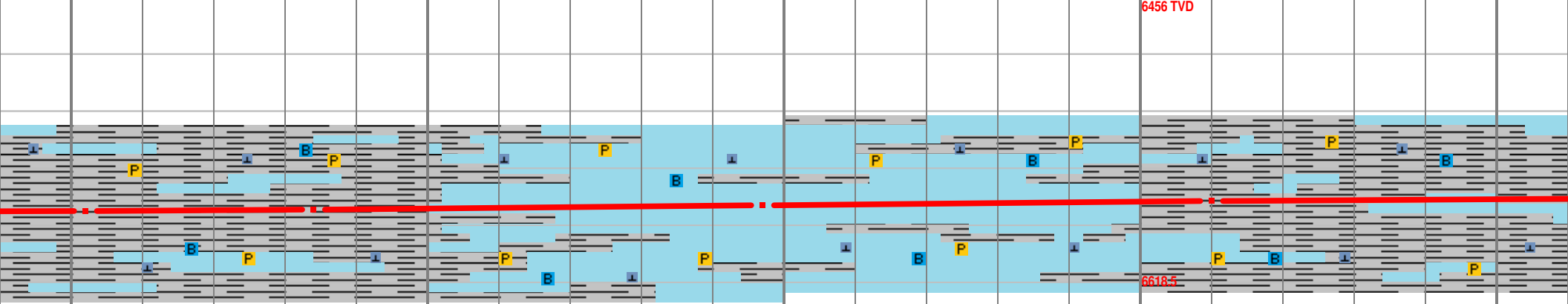
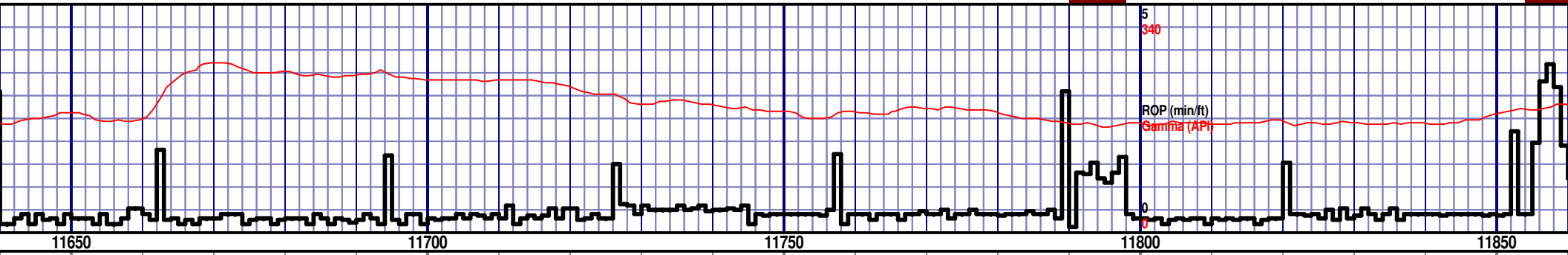
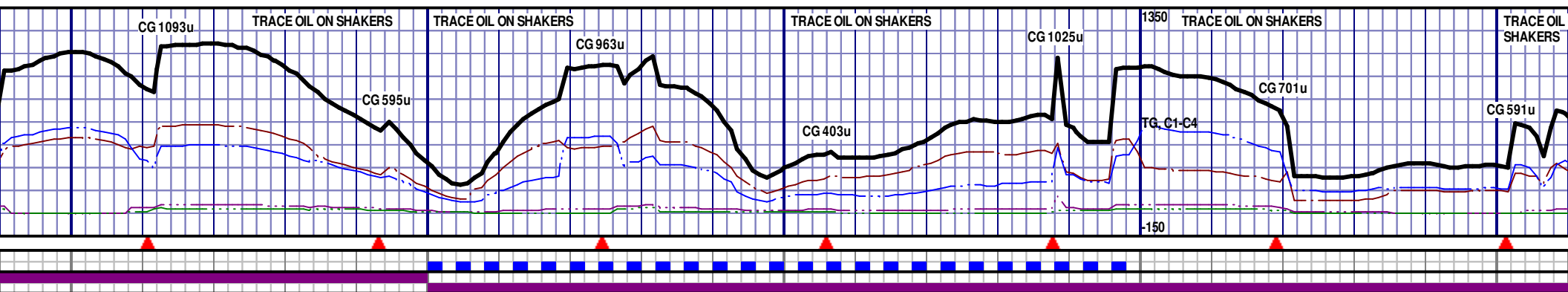
RY, SOFT, SH INCLUS, PYR INCLUS, INTRXLN POR, YLW FLUOR, IMMED NT

CHK; 45%; GRY TO LT GRY, SOFT, SH INCLUS, PYR INCLUS, CALC NODULES, POOR INTRXLN POR, YLW FLUOR, IMMED BLU STRM CUT, TRC BENT

CHK; 45%; GRY TO LT GRY, SOFT, SH INCLUS, PYR INCLUS, CALC NODULES, POOR INTRXLN POR, YLW FLUOR, IMMED BLU STRM CUT, TRC BENT

CHK; 40%; GRY TO LT GRY, SOFT, SH INCLUS, PYR INCLUS, CALC NODULES, POOR INTRXLN POR, YLW FLUOR, IMMED BLU STRM CUT, TRC BENT

SH; DK GRY TO GRY, FINE TXT, SOFT TO FIRM, PYR NO VIS FRACT, MAJOR CALC, BLKY TO PLATY, YLW SLOW BLU STRM CUT, TRC BENT, TRC CHK



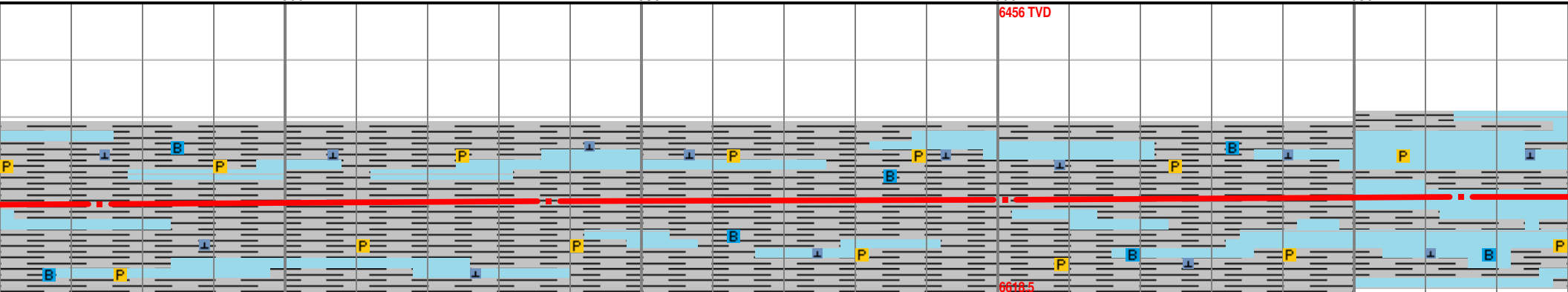
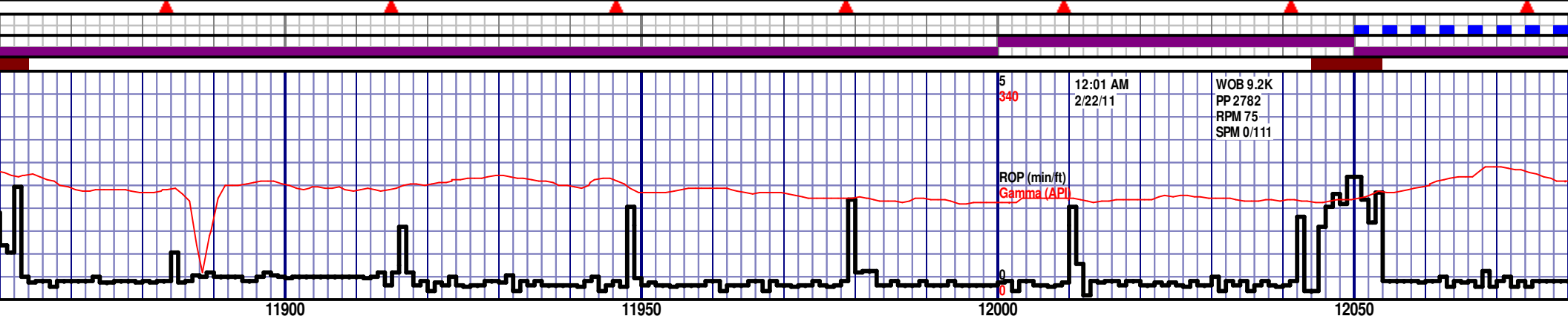
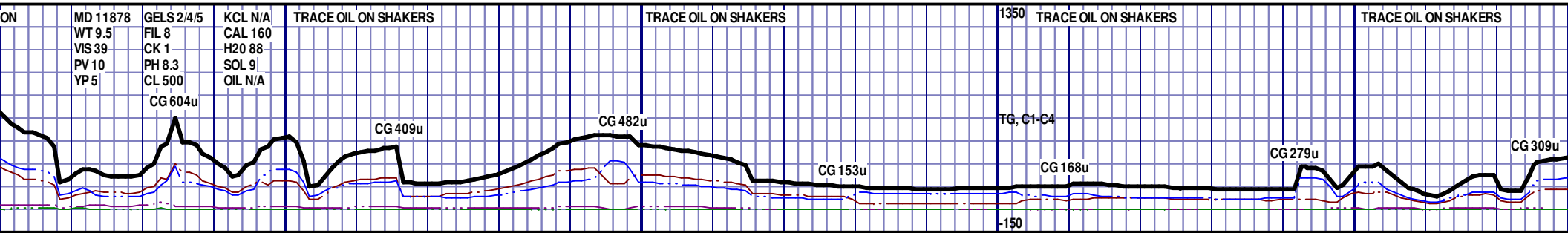
INCLUS, W FLOUR,	SH; DK GRY TO GRY, FINE TXT, FIRM, PYR INCLUS, NO VIS FRACT, MAJOR CALC, BLKY TO PLATY, YLW FLOUR, SLOW BLU STRM CUT, TRC BENT, TRC CHK	CHK; 40%; GRY TO LT GRY, SOFT, SH INCLUS, PYR INCLUS, CALC NODULES, POOR INTRXLN POR, YLW FLUOR, IMMED BLU STRM CUT, TRC BENT	CHK; 45%; GRY TO LT GRY, SOFT, SH INCLUS, PYR INCLUS, CALC NODULES, POOR INTRXLN POR, YLW FLUOR, IMMED BLU STRM CUT, TRC BENT	SH; DK GRY TO GRY, SMOOTH TXT, SOFT TO FIRM, PYR INCLUS, FRACT HEALED W/CALC, MAJOR CALC, BLKY TO PLATY, YLW FLOUR, IMMED BLU STRM CUT, TRC BENT, TRC CHK	SH; DK GRY INCLUS, NO FLOUR, IMM
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MD 11652 TVD 6577.83
Az 179.53° Inc 91.55° VS 5380.36

MD 11684 TVD 6576.95
Az 179.18° Inc 91.61° VS 5412.35

MD 11747 TVD 6574.88
Az 179.54° Inc 92.17° VS 5475.31

MD 11810 TVD 6572.47
Az 179.53° Inc 92.22° VS 5538.26



TO GRY, SMOOTH TXT, SOFT TO FIRM, PYR
VIS FRACT, MAJOR CALC, BLKY TO PLATY, YLW
RED BLU STRM CUT, TRC BENT, TRC CHK

SH; DK GRY TO GRY, SMOOTH TXT, SOFT TO FIRM, PYR
INCLUS, NO VIS FRACT, MAJOR CALC, BLKY TO PLATY, NO
FLOUR, IMMED BLU STRM CUT, TRC CHK

SH; DK GRY TO GRY, SMOOTH TXT, SOFT TO FIRM, PYR
INCLUS, NO VIS FRACT, MAJOR CALC, BLKY TO PLATY, YLW
FLOUR, IMMED BLU STRM CUT, TRC BENT, TRC CHK

SH; DK GRY TO GRY, SMOOTH TXT, SOFT TO FIRM, PYR
INCLUS, NO VIS FRACT, MAJOR CALC, BLKY TO PLATY, YLW
FLOUR, SLOW BLU STRM CUT, TRC BENT, TRC CHK

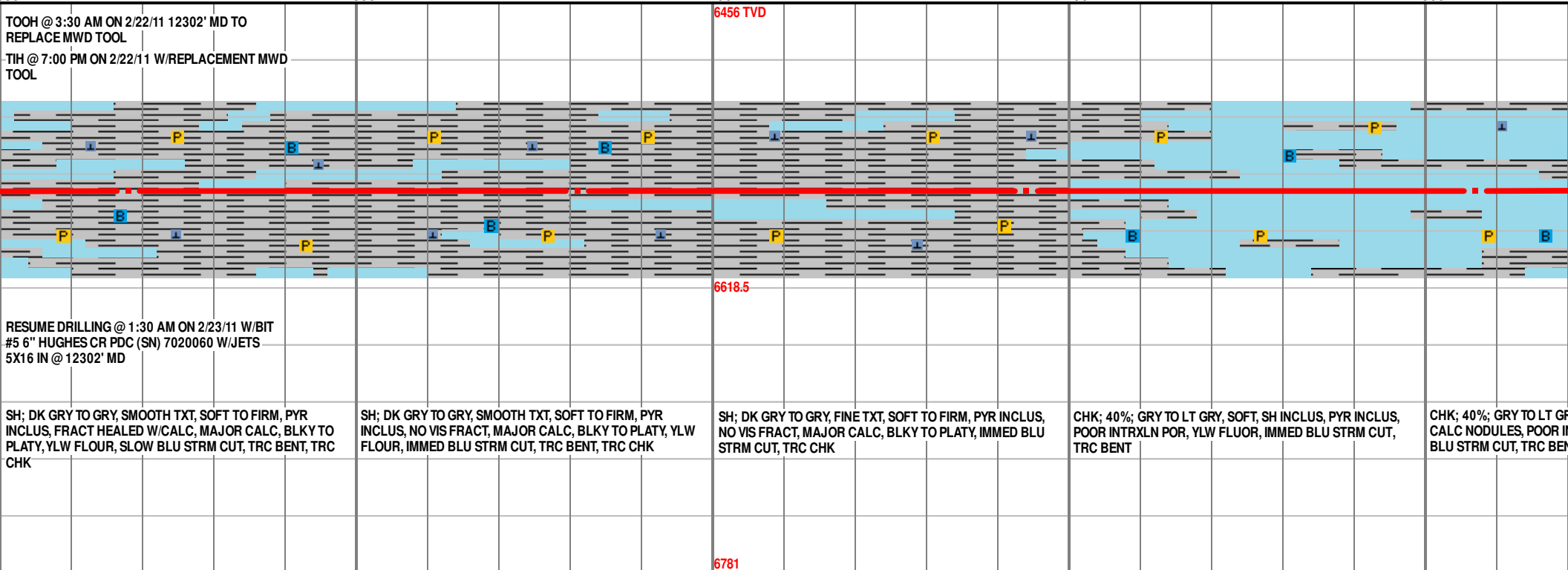
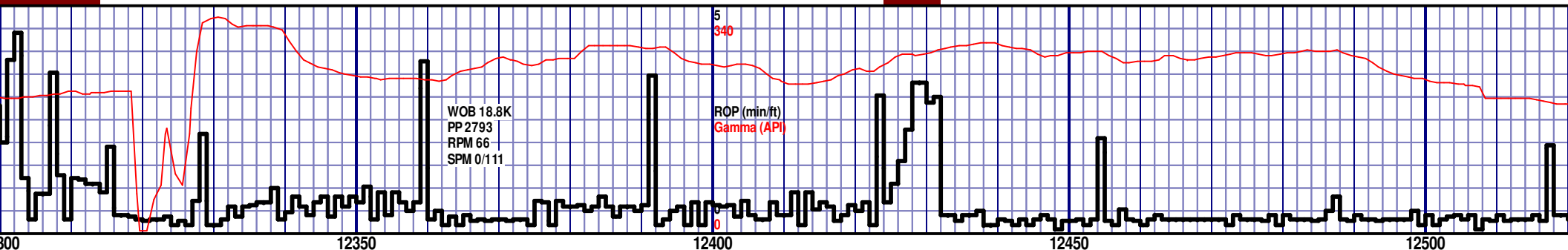
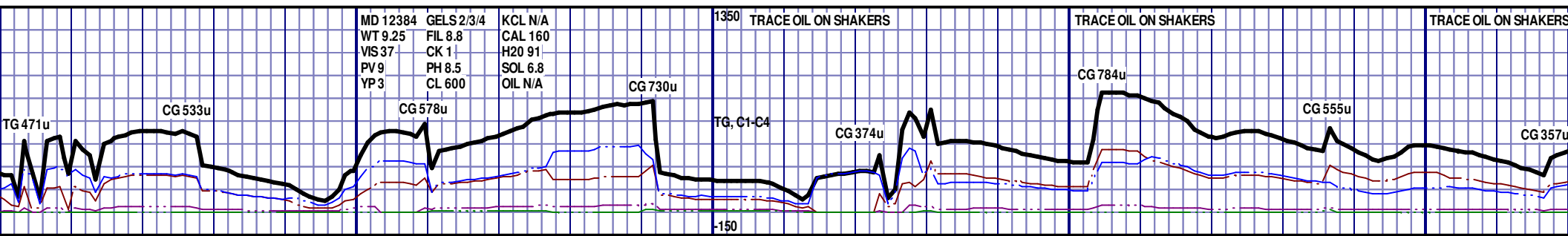
CHK; 30%; GRY TO LT GRY, SOFT, SH
CALC NODULES, POOR INTRXLN PO
BLU STRM CUT, TRC BENT

MD 11874 TVD 6570.47
Az 179.52° Inc 91.36° VS 5602.23

MD 11937 TVD 6569.14
Az 178.99° Inc 91.05° VS 5665.21

MD 12001 TVD 6567.79
Az 178.75° Inc 91.36° VS 5729.18

MD 12065 TVD 6567.79
Az 179.92° Inc 90.36° VS 5729.18

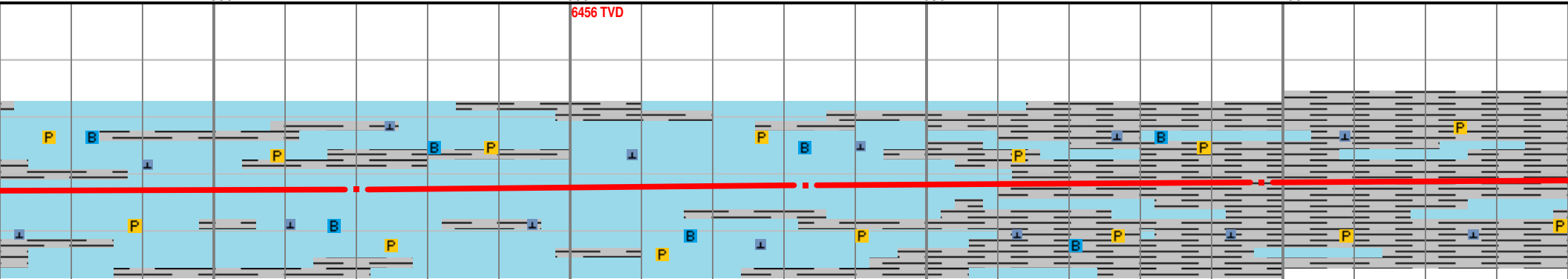
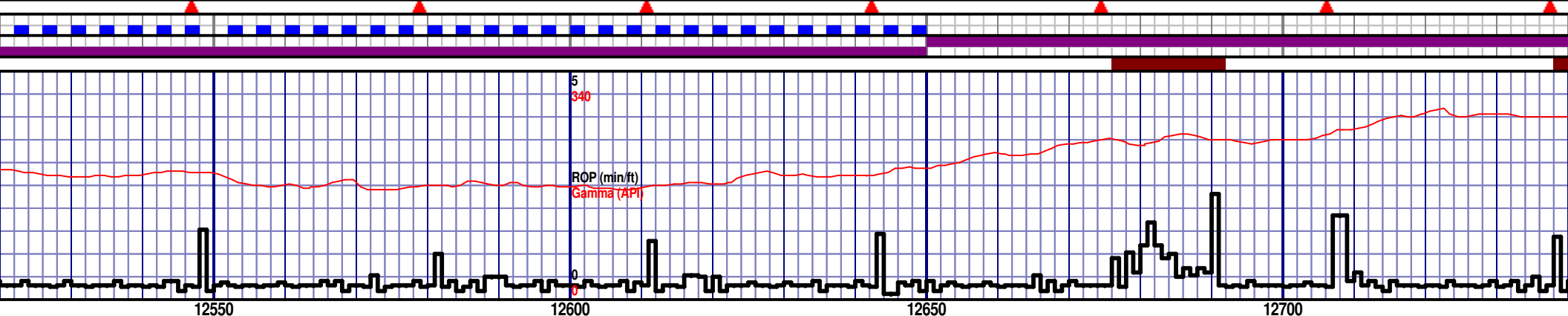
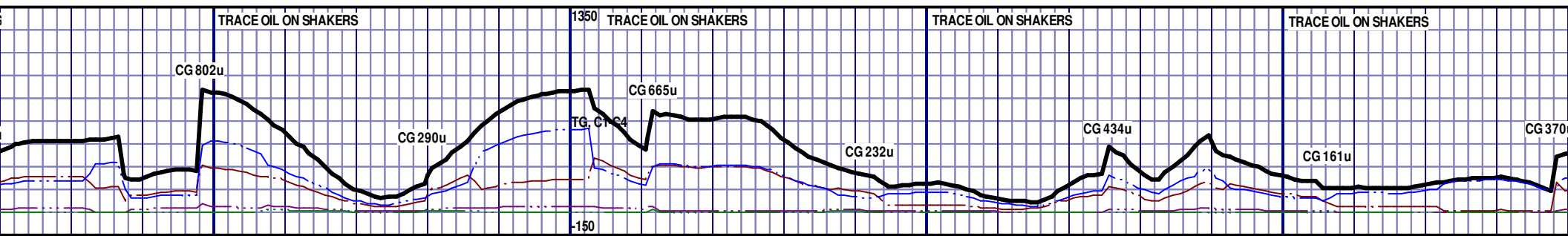


MD 12318 TVD 6563.38
Az 178.52° Inc 89.94° VS 6046.12

MD 12381 TVD 6563.44
Az 177.34° Inc 89.94° VS 6109.08

MD 12444 TVD 6563.31
Az 178.5° Inc 90.31° VS 6172.04

MD 12507 TVD
Az 178.33° Inc 90.31° VS 6172.04



RY, SOFT, SH INCLUS, PYR INCLUS, INTRXLN POR, YLW FLUOR, IMMEDIATE

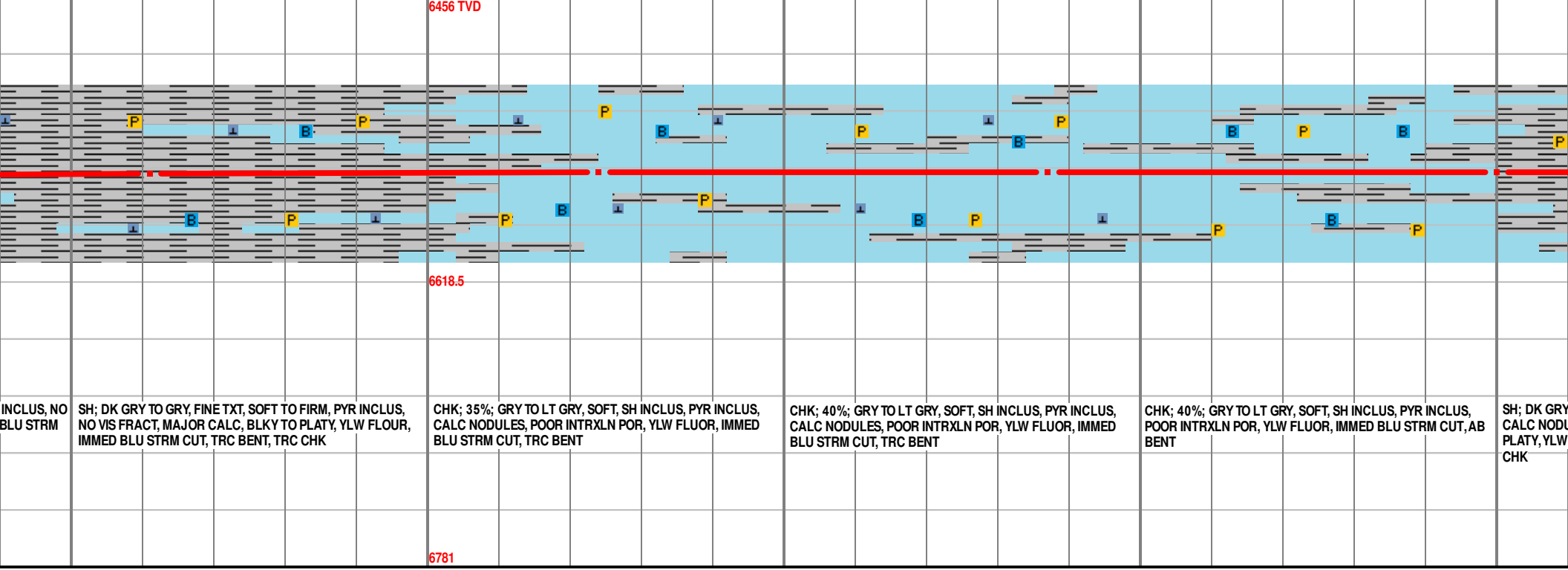
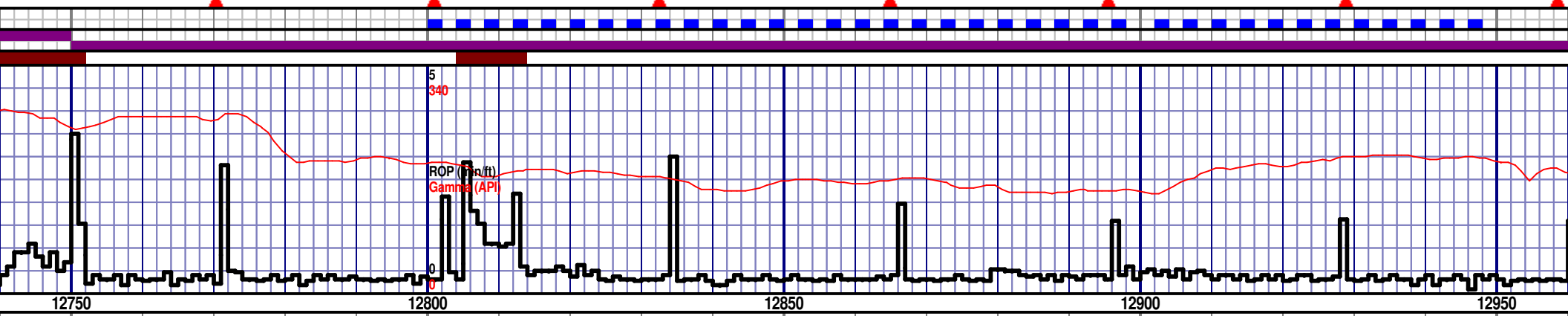
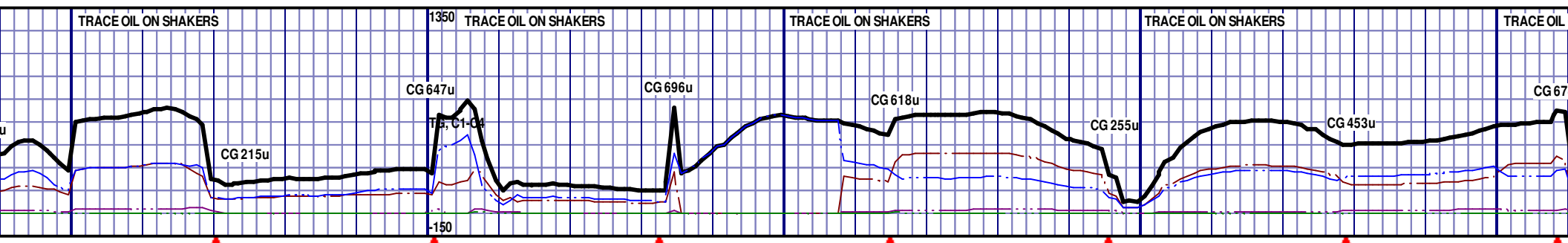
CHK; 45%; GRY TO LT GRY, SOFT, SH INCLUS, PYR INCLUS, CALC NODULES, POOR INTRXLN POR, YLW FLUOR, IMMEDIATE BLU STRM CUT, TRC BENT

CHK; 40%; GRY TO LT GRY, SOFT, SH INCLUS, PYR INCLUS, CALC NODULES, POOR INTRXLN POR, YLW FLUOR, IMMEDIATE BLU STRM CUT, TRC BENT

SH; DK GRY TO GRY, FINE TXT, SOFT TO FIRM, PYR INCLUS, NO VIS FRACT, MAJOR CALC, BLKY TO PLATY, YLW FLOUR, SLOW BLU STRM CUT, TRC BENT, TRC CHK

SH; DK GRY TO GRY, FINE TXT, SOFT TO FIRM, PYR INCLUS, VIS FRACT, MAJOR CALC, BLKY TO PLATY, SLOW CUT, TRC CHK

6781

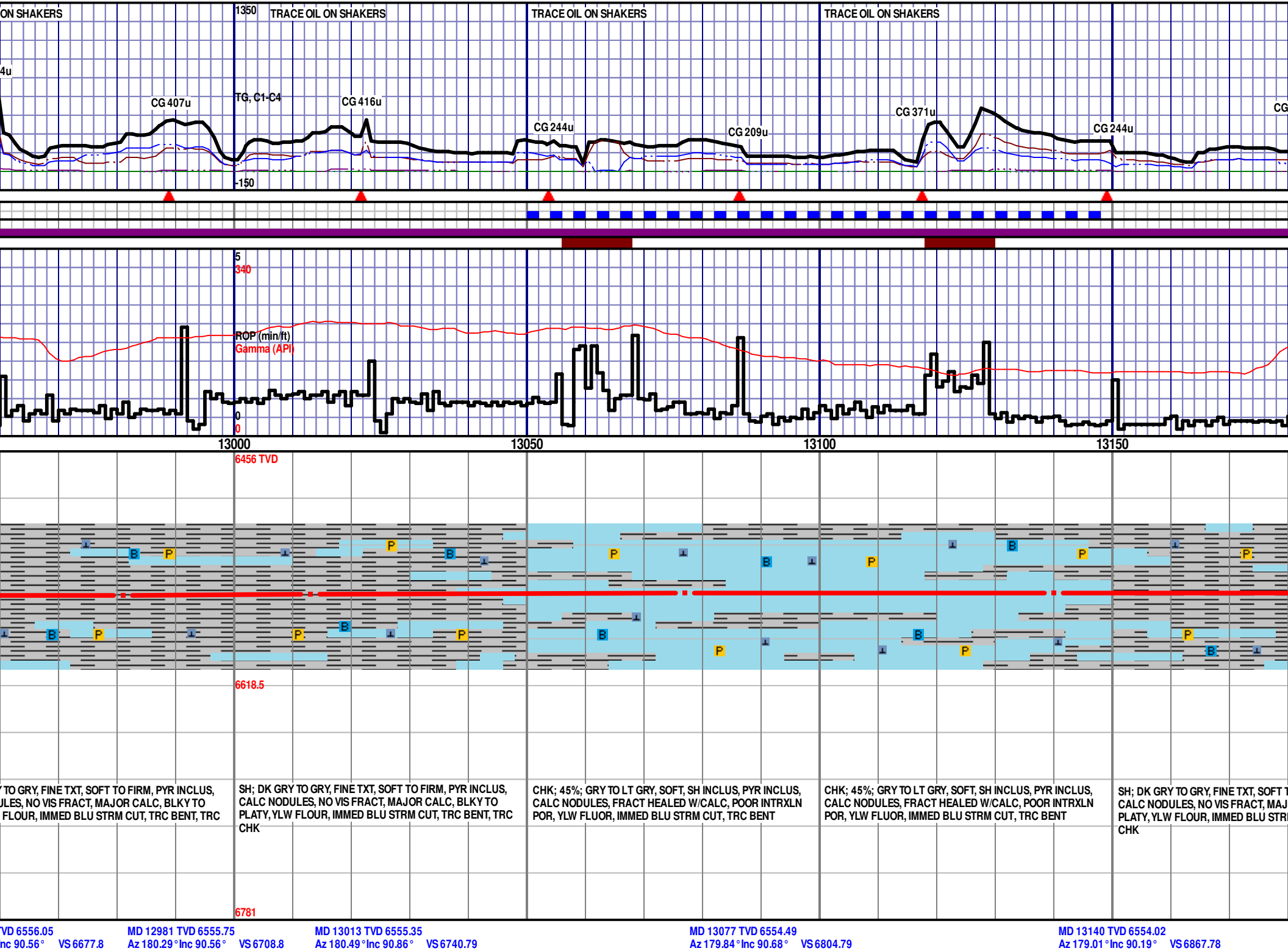


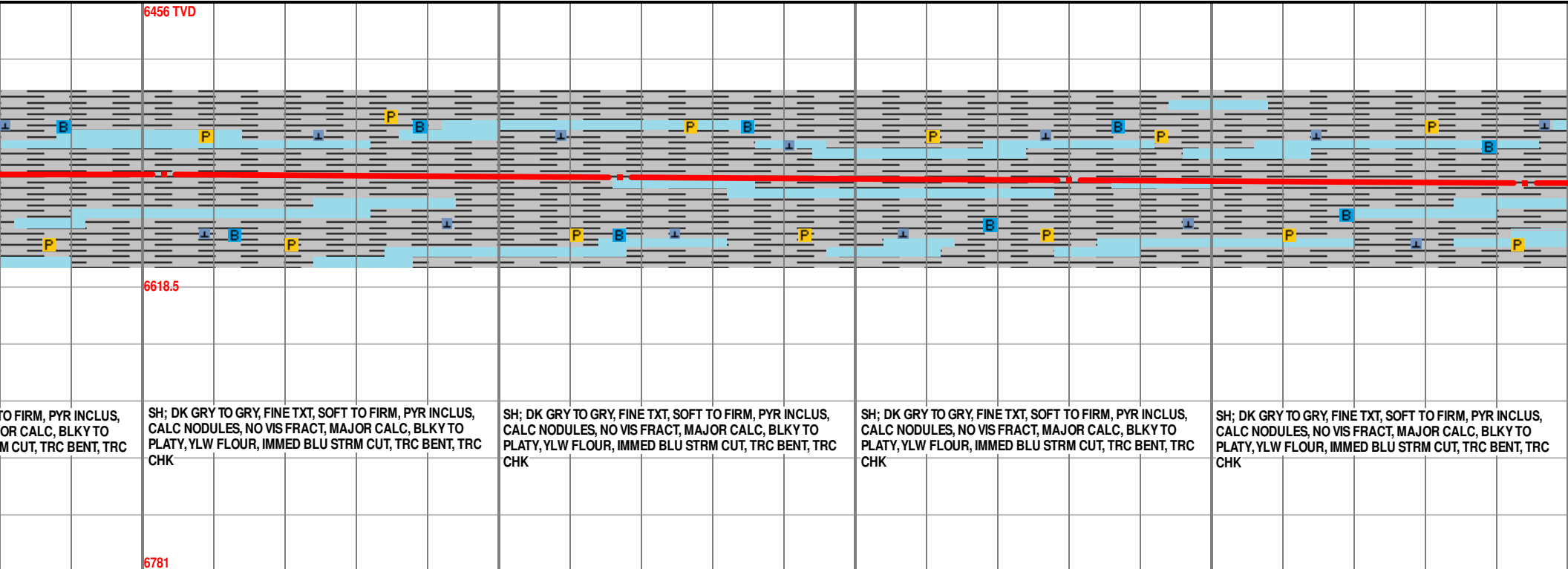
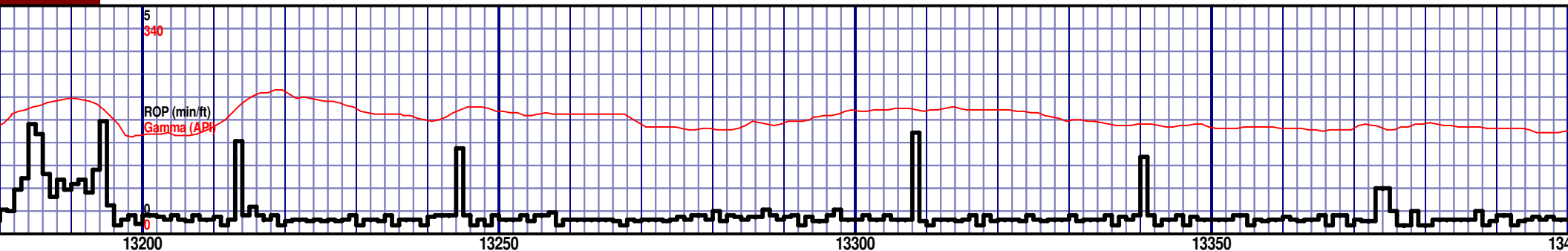
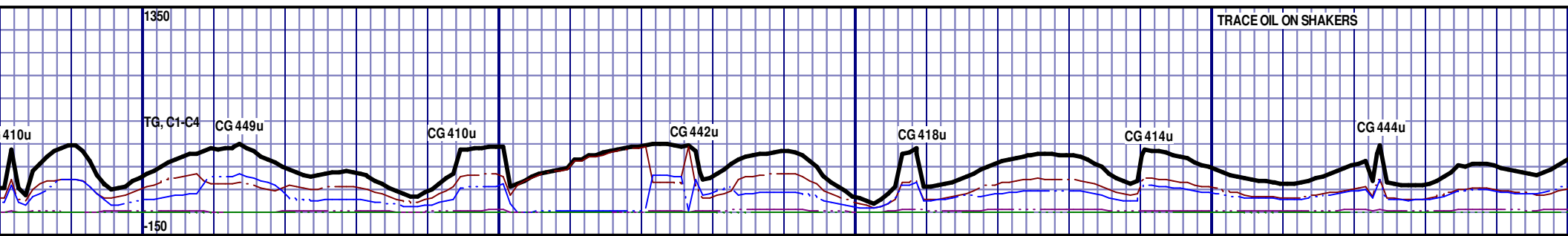
MD 12761 TVD 6556.56
Az 177.86° Inc 90.86° VS 6488.84

MD 12824 TVD 6556.19
Az 179.01° Inc 89.81° VS 6551.82

MD 12887 TVD 6556.32
Az 179.05° Inc 89.94° VS 6614.81

MD 12950 TVD 6556.32
Az 179.42° Inc 89.94° VS 6614.81



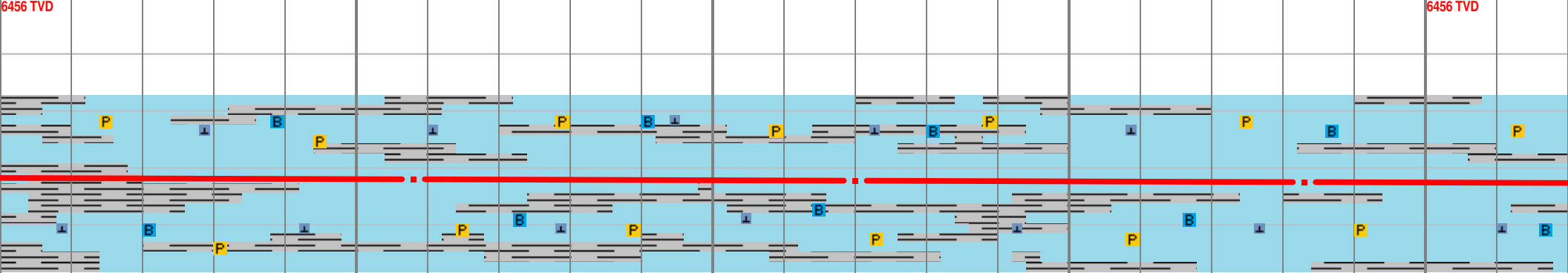
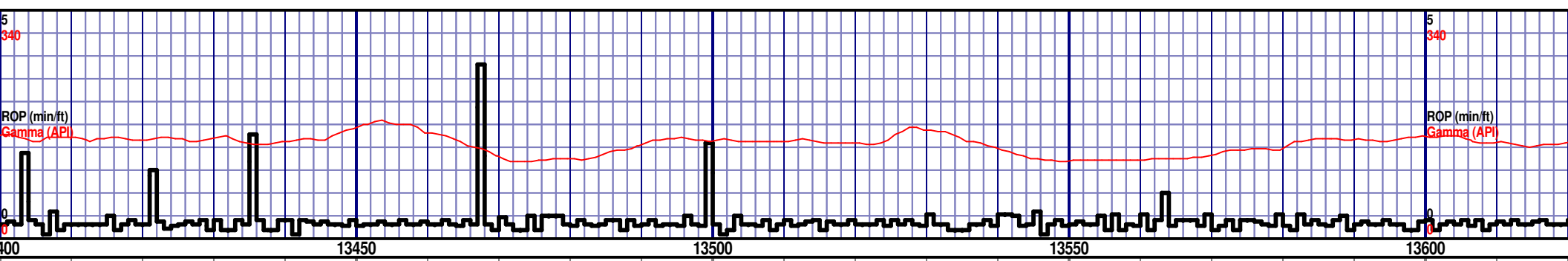
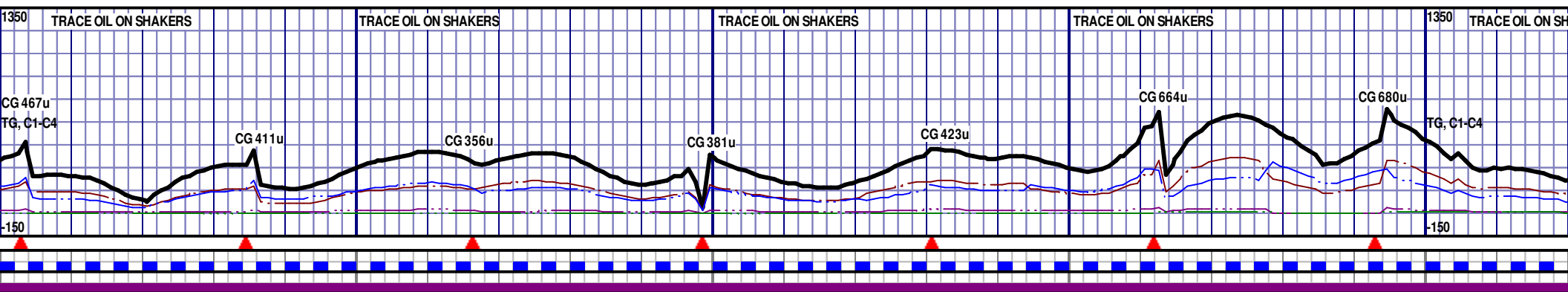


MD 13203 TVD 6554.7
Az 178.4° Inc 88.58° VS 6930.76

MD 13267 TVD 6556.21
Az 178.67° Inc 88.7° VS 6994.72

MD 13330 TVD 6557.6
Az 178.54° Inc 88.77° VS 7057.69

MD 13363 TVD 6559.1
Az 178.51° Inc 88.77° VS 7057.69



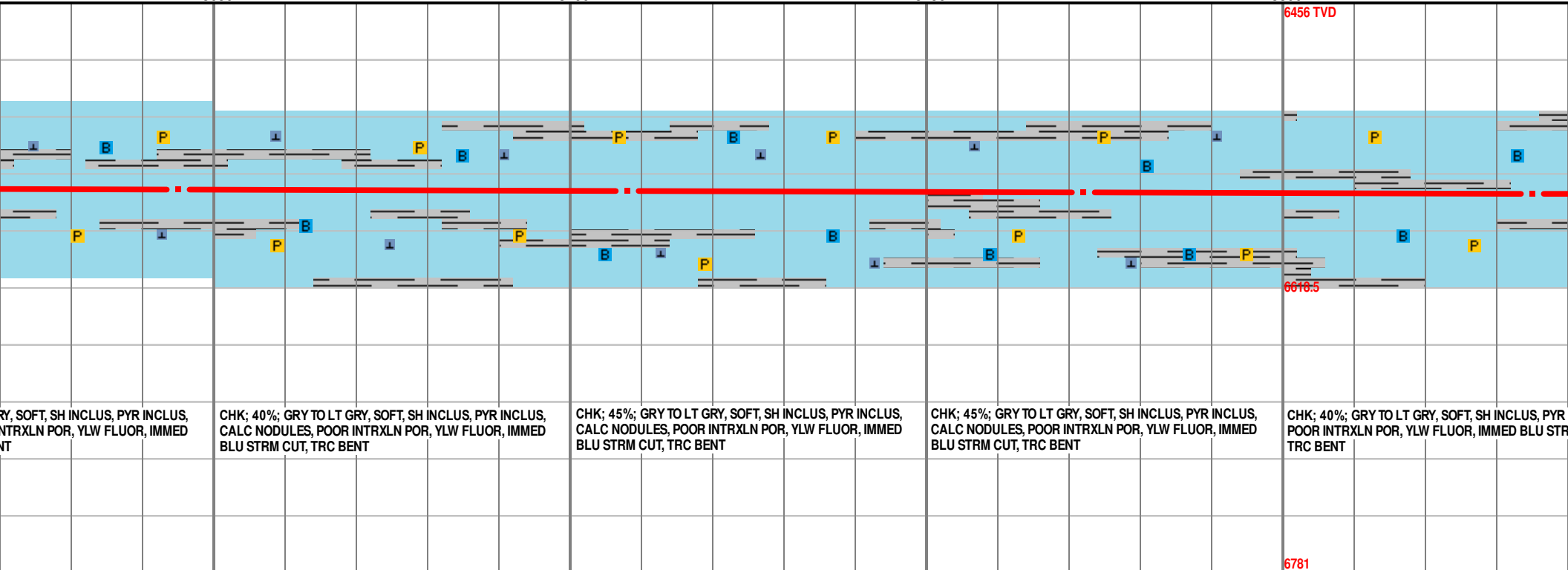
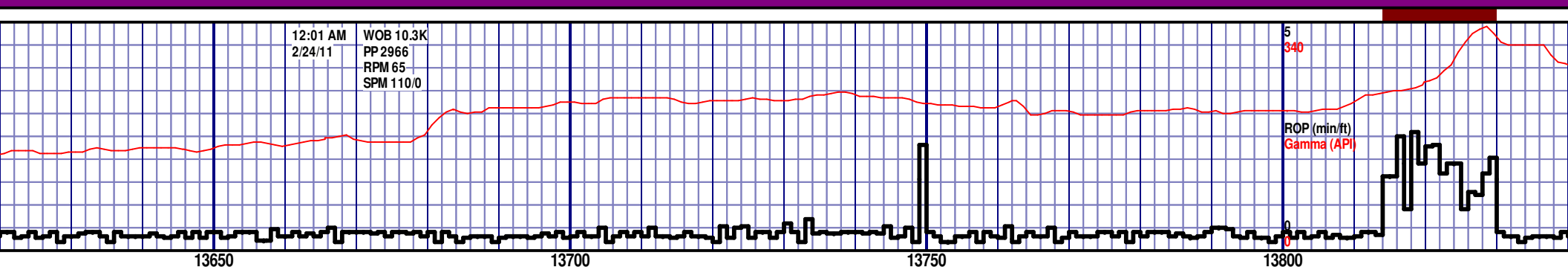
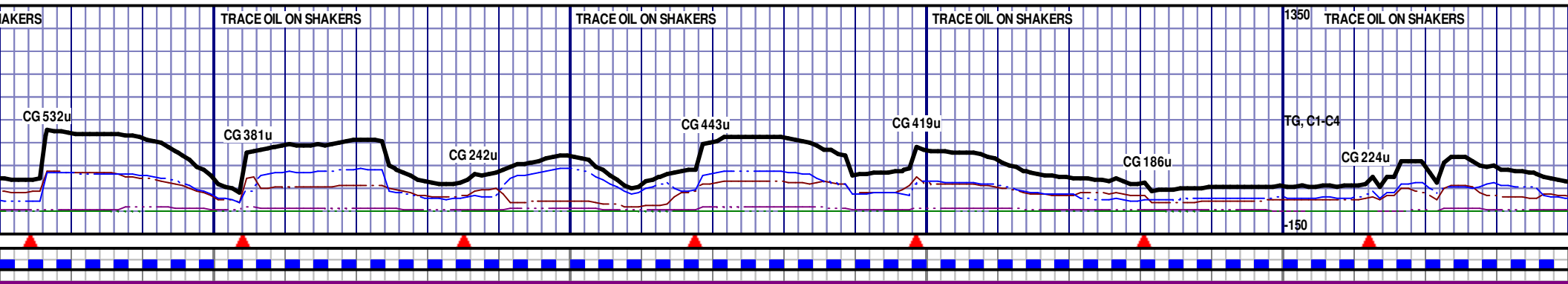
CHK; 30%; GRY TO LT GRY, SOFT, SH INCLUS, PYR INCLUS, CALC NODULES, FRACT HEALED W/CALC, POOR INTRXLN POR, YLW FLUOR, IMMED BLU STRM CUT, TRC BENT

CHK; 30%; GRY TO LT GRY, SOFT, SH INCLUS, PYR INCLUS, CALC NODULES, POOR INTRXLN POR, YLW FLUOR, IMMED BLU STRM CUT, TRC BENT

CHK; 30%; GRY TO LT GRY, SOFT, SH INCLUS, PYR INCLUS, CALC NODULES, FRACT HEALED W/CALC, POOR INTRXLN POR, YLW FLUOR, IMMED BLU STRM CUT, TRC BENT

CHK; 35%; GRY TO LT GRY, SOFT, SH INCLUS, PYR INCLUS, CALC NODULES, POOR INTRXLN POR, YLW FLUOR, IMMED BLU STRM CUT, TRC BENT

CHK; 40%; GRY TO LT GRY, SOFT, SH INCLUS, PYR INCLUS, CALC NODULES, POOR INTRXLN POR, YLW FLUOR, IMMED BLU STRM CUT, TRC BENT



RY, SOFT, SH INCLUS, PYR INCLUS, NTRXLN POR, YLW FLUOR, IMMED NT

CHK; 40%; GRY TO LT GRY, SOFT, SH INCLUS, PYR INCLUS, CALC NODULES, POOR INTRXLN POR, YLW FLUOR, IMMED BLU STRM CUT, TRC BENT

CHK; 45%; GRY TO LT GRY, SOFT, SH INCLUS, PYR INCLUS, CALC NODULES, POOR INTRXLN POR, YLW FLUOR, IMMED BLU STRM CUT, TRC BENT

CHK; 45%; GRY TO LT GRY, SOFT, SH INCLUS, PYR INCLUS, CALC NODULES, POOR INTRXLN POR, YLW FLUOR, IMMED BLU STRM CUT, TRC BENT

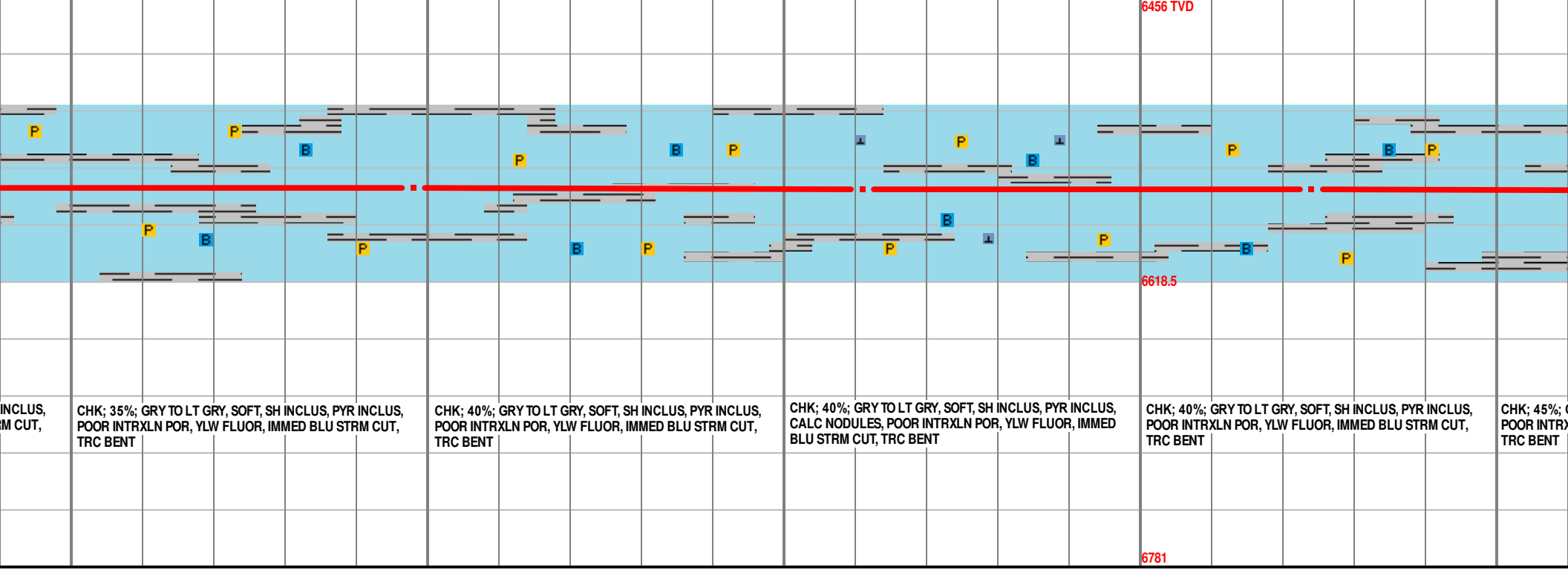
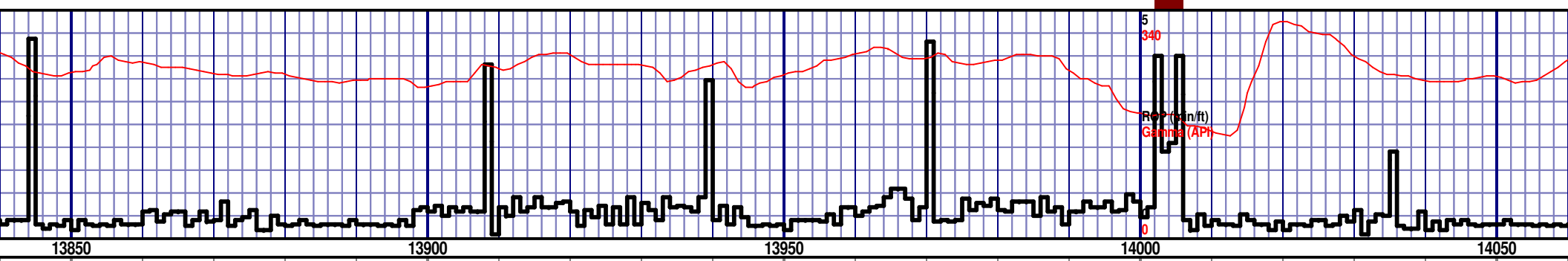
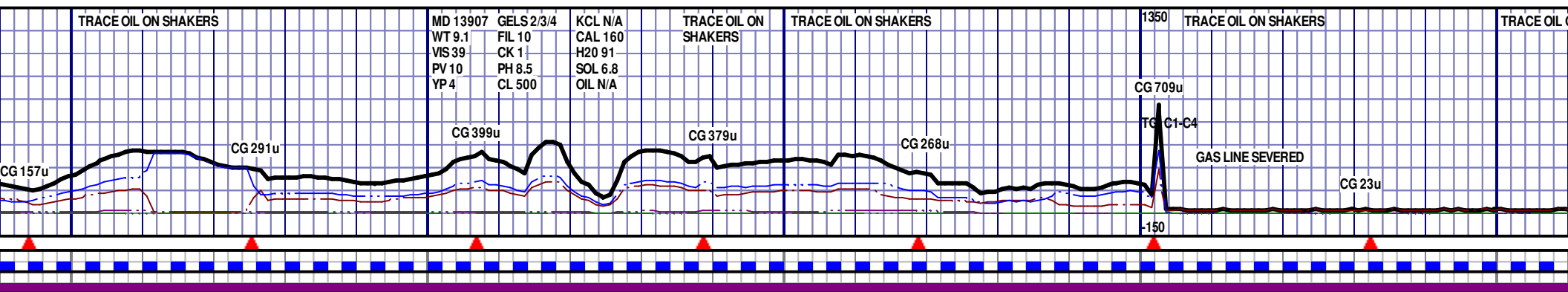
CHK; 40%; GRY TO LT GRY, SOFT, SH INCLUS, PYR INCLUS, POOR INTRXLN POR, YLW FLUOR, IMMED BLU STRM CUT, TRC BENT

MD 13645 TVD 6562.23
Az 177.53° Inc 89.26° VS 7372.48

MD 13708 TVD 6562.97
Az 177.61° Inc 89.38° VS 7435.42

MD 13772 TVD 6563.83
Az 177.72° Inc 89.07° VS 7499.36

MD 13772 TVD 6563.83
Az 177.72° Inc 89.07° VS 7499.36



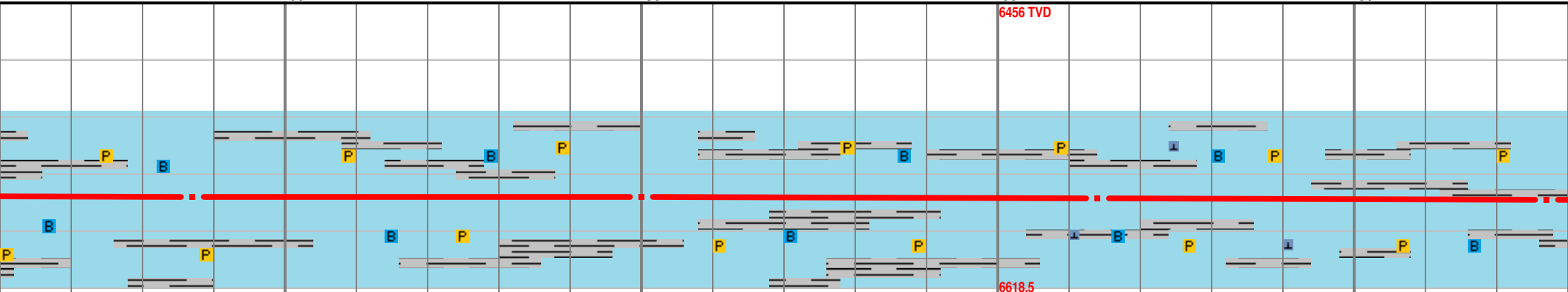
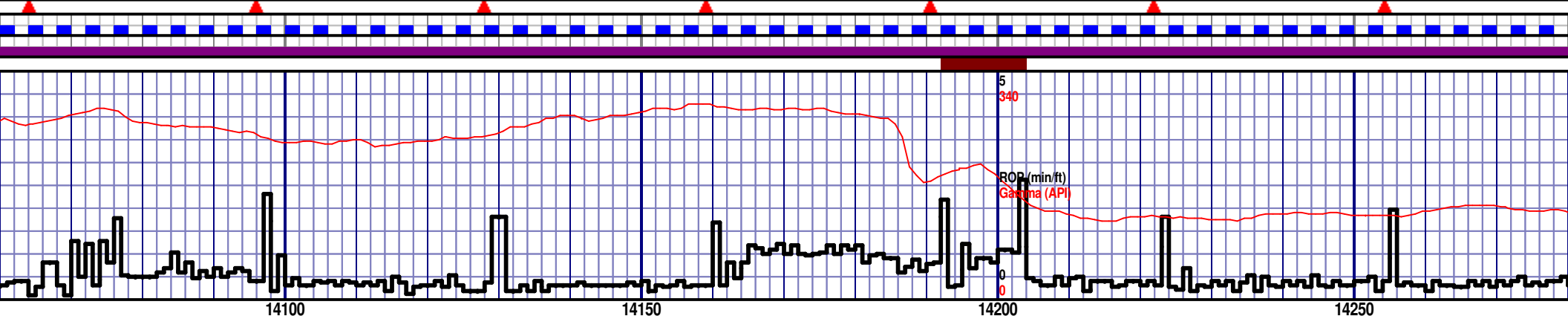
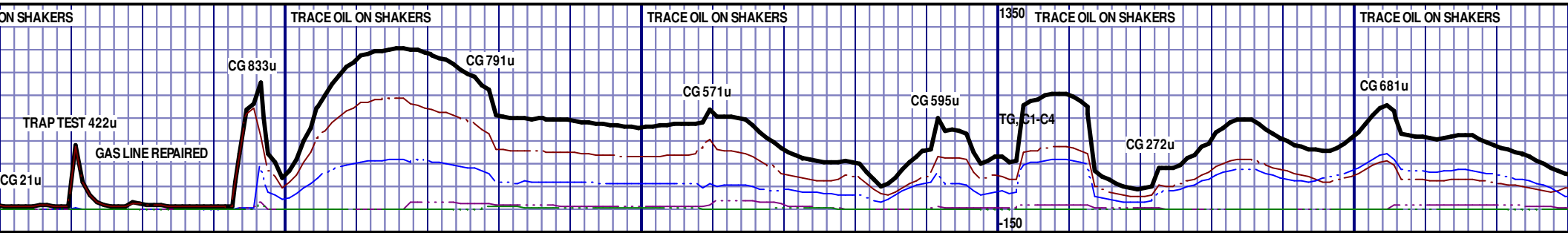
INCLUS, IM CUT,	CHK; 35%; GRY TO LT GRY, SOFT, SH INCLUS, PYR INCLUS, POOR INTRXLN POR, YLW FLUOR, IMMED BLU STRM CUT, TRC BENT	CHK; 40%; GRY TO LT GRY, SOFT, SH INCLUS, PYR INCLUS, POOR INTRXLN POR, YLW FLUOR, IMMED BLU STRM CUT, TRC BENT	CHK; 40%; GRY TO LT GRY, SOFT, SH INCLUS, PYR INCLUS, CALC NODULES, POOR INTRXLN POR, YLW FLUOR, IMMED BLU STRM CUT, TRC BENT	CHK; 40%; GRY TO LT GRY, SOFT, SH INCLUS, PYR INCLUS, POOR INTRXLN POR, YLW FLUOR, IMMED BLU STRM CUT, TRC BENT	CHK; 45%; POOR INTRXLN TRC BENT
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3835 TVD 6564.62
Az 179.57° Inc 89.51° VS 7562.33

MD 13898 TVD 6565.06
Az 179.49° Inc 89.69° VS 7625.33

MD 13961 TVD 6565.46
Az 179.33° Inc 89.57° VS 7688.32

MD 14024 TVD 6566.04
Az 179.49° Inc 89.38° VS 7751.32



GRY TO LT GRY, SOFT, SH INCLUS, PYR INCLUS, POOR INTRXLN POR, YLW FLUOR, IMMED BLU STRM CUT, TRC BENT

CHK; 40%; GRY TO LT GRY, SOFT, SH INCLUS, PYR INCLUS, POOR INTRXLN POR, YLW FLUOR, IMMED BLU STRM CUT, TRC BENT

CHK; 40%; GRY TO LT GRY, SOFT, SH INCLUS, PYR INCLUS, POOR INTRXLN POR, YLW FLUOR, IMMED BLU STRM CUT, TRC BENT

CHK; 40%; GRY TO LT GRY, SOFT, SH INCLUS, PYR INCLUS, CALC NODULES, POOR INTRXLN POR, YLW FLUOR, IMMED BLU STRM CUT, TRC BENT

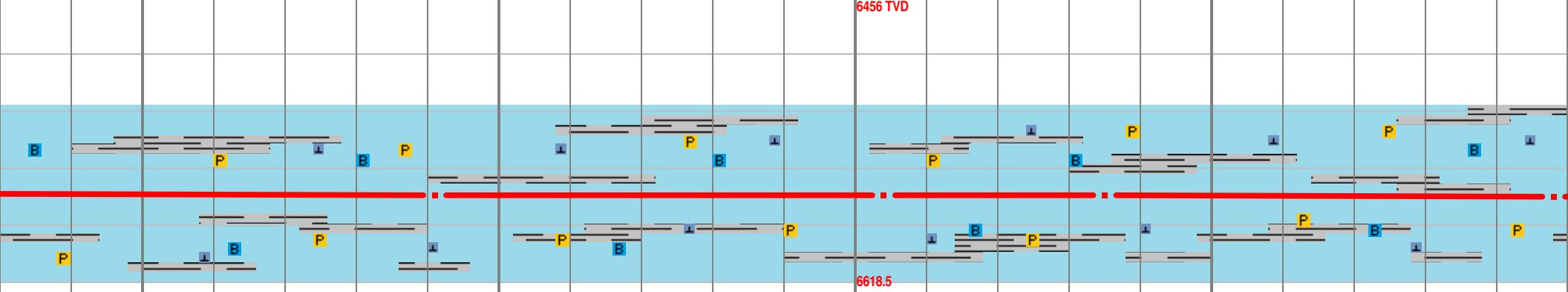
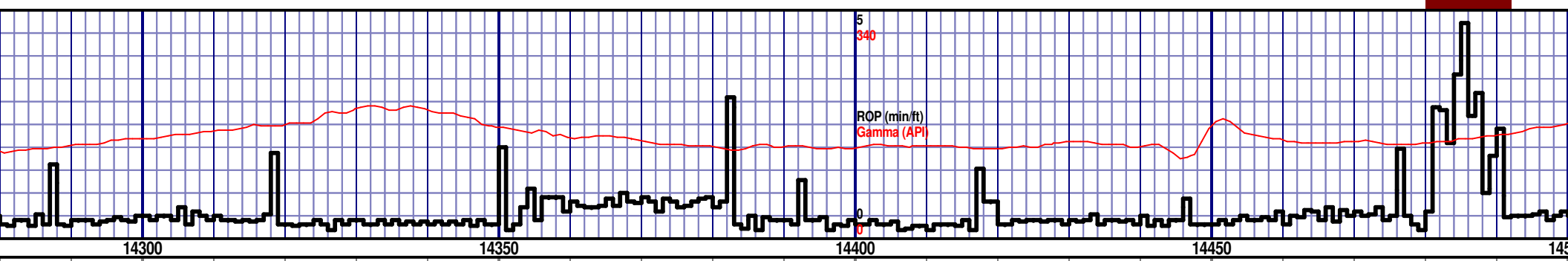
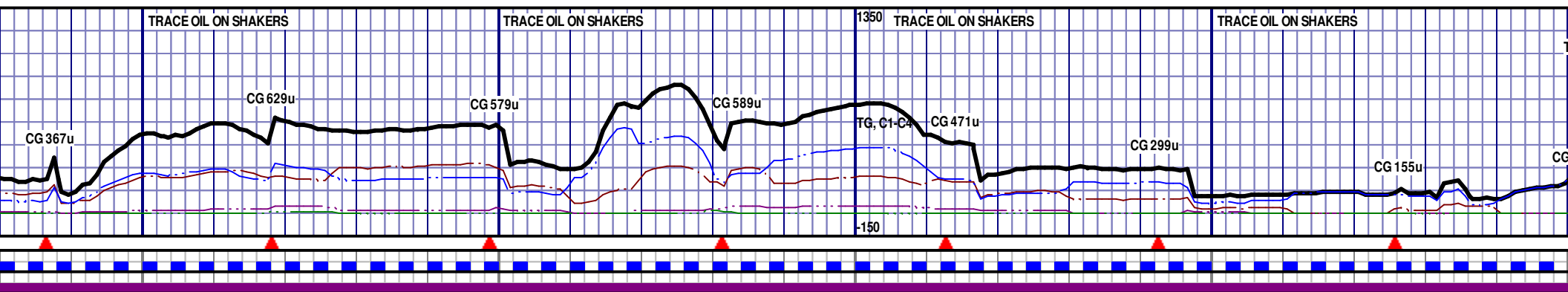
CHK; 45%; GRY TO LT GRY, SOFT, SH INCLUS, PYR INCLUS, POOR INTRXLN POR, YLW FLUOR, IMMED BLU STRM CUT, TRC BENT

MD 14087 TVD 6566.62
Az 178.83° Inc 89.57° VS 7814.31

MD 14150 TVD 6566.79
Az 179.25° Inc 90.12° VS 7877.3

MD 14214 TVD 6567.27
Az 177.18° Inc 89.01° VS 7941.26

MD
Az

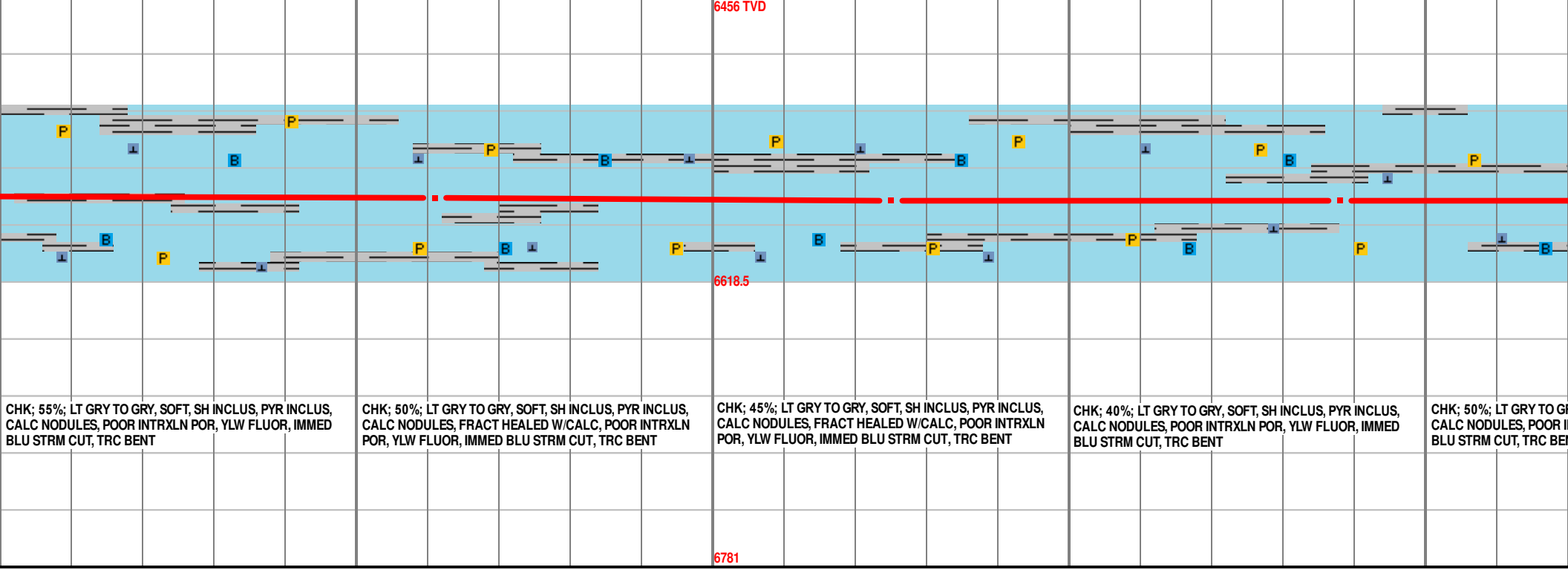
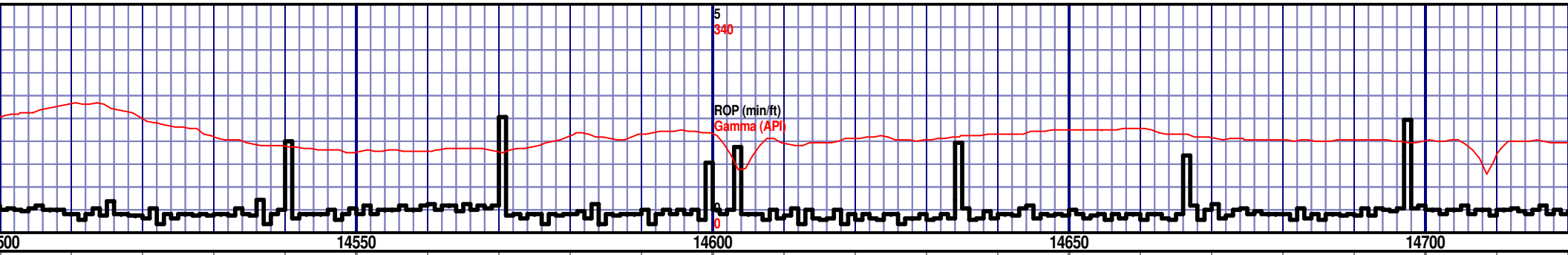
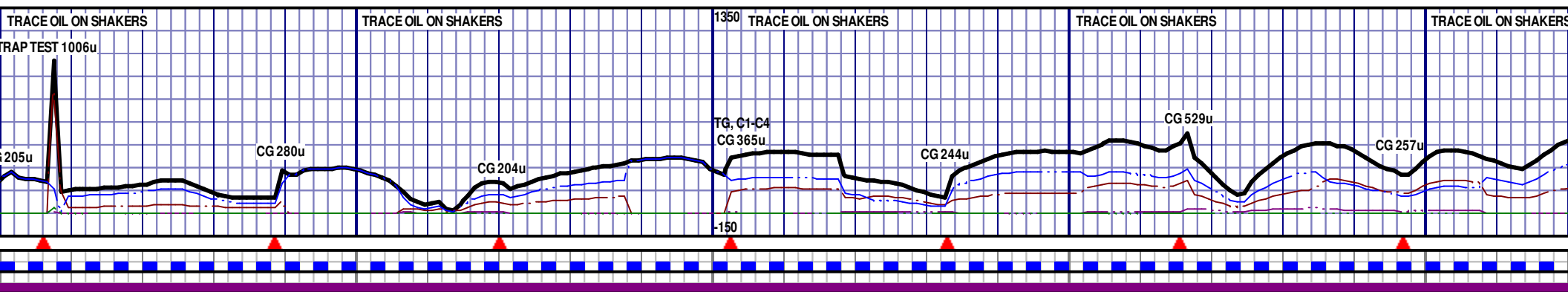


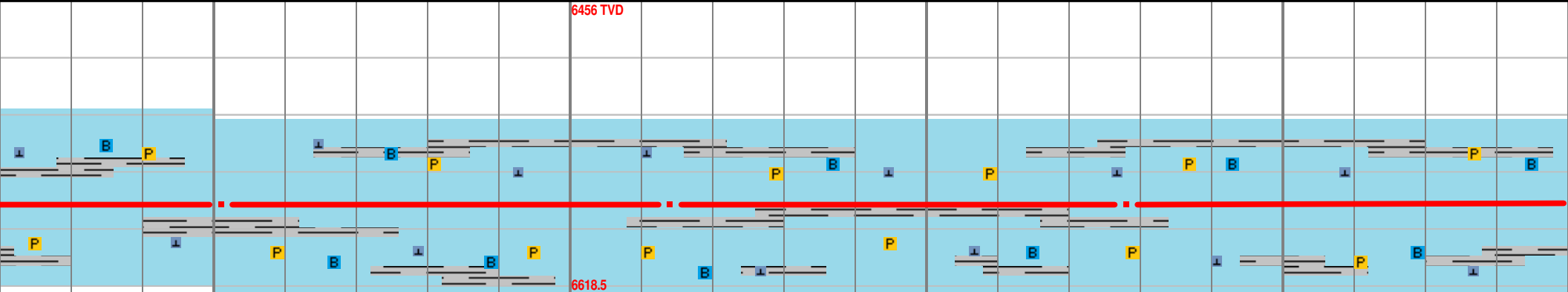
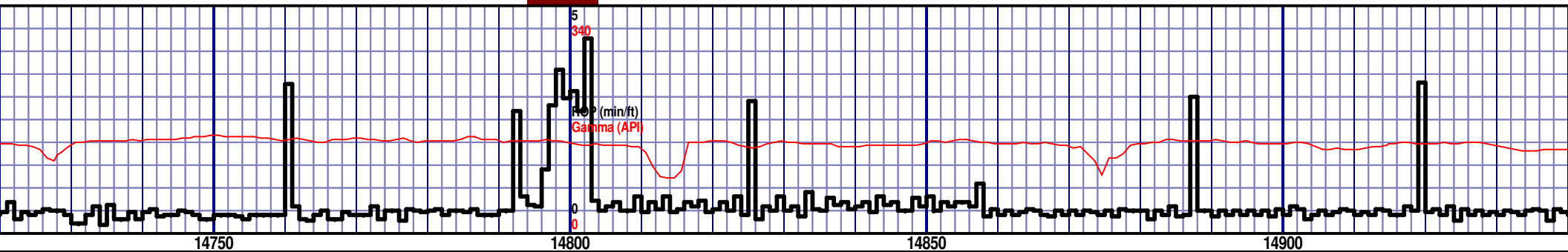
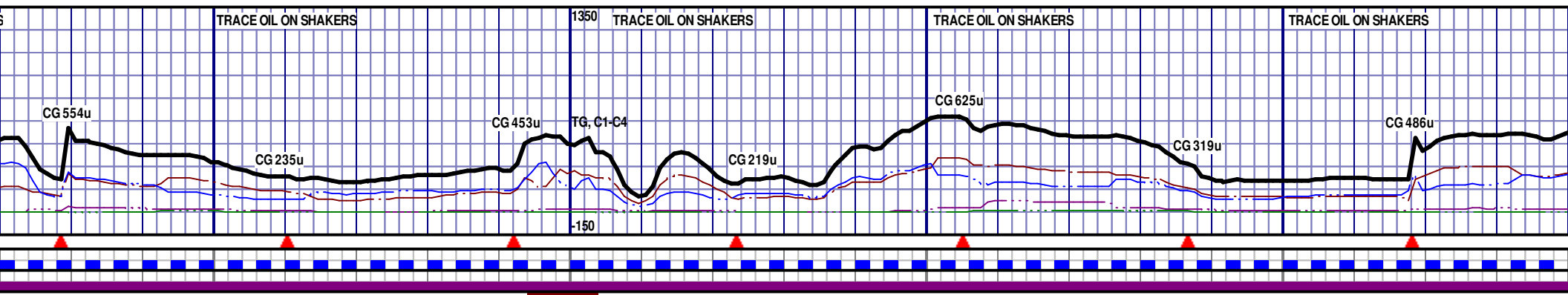
CHK; 40%; GRY TO LT GRY, SOFT, SH INCLUS, PYR INCLUS, CALC NODULES, FRACT HEALED W/CALC, POOR INTRXLN POR, YLW FLUOR, IMMED BLU STRM CUT, TRC BENT

CHK; 40%; GRY TO LT GRY, SOFT, SH INCLUS, PYR INCLUS, CALC NODULES, POOR INTRXLN POR, YLW FLUOR, IMMED BLU STRM CUT, TRC BENT

CHK; 40%; LT GRY TO GRY, SOFT, SH INCLUS, PYR INCLUS, CALC NODULES, FRACT HEALED W/CALC, POOR INTRXLN POR, YLW FLUOR, IMMED BLU STRM CUT, TRC BENT

CHK; 40%; LT GRY TO GRY, SOFT, SH INCLUS, PYR INCLUS, CALC NODULES, FRACT HEALED W/CALC, POOR INTRXLN POR, YLW FLUOR, IMMED BLU STRM CUT, TRC BENT





RY, SOFT, SH INCLUS, PYR INCLUS,
INTRXLN POR, YLW FLUOR, IMMED
NT

CHK; 45%; LT GRY TO GRY, SOFT, SH INCLUS, PYR INCLUS,
CALC NODULES, POOR INTRXLN POR, YLW FLUOR, IMMED
BLU STRM CUT, AB BENT

CHK; 45%; LT GRY TO GRY, SOFT, SH INCLUS, PYR INCLUS,
CALC NODULES, FRACT HEALED W/CALC, POOR INTRXLN
POR, YLW FLUOR, IMMED BLU STRM CUT, TRC BENT

CHK; 45%; LT GRY TO GRY, SOFT, SH INCLUS, PYR INCLUS,
CALC NODULES, POOR INTRXLN POR, YLW FLUOR, IMMED
BLU STRM CUT, TRC BENT

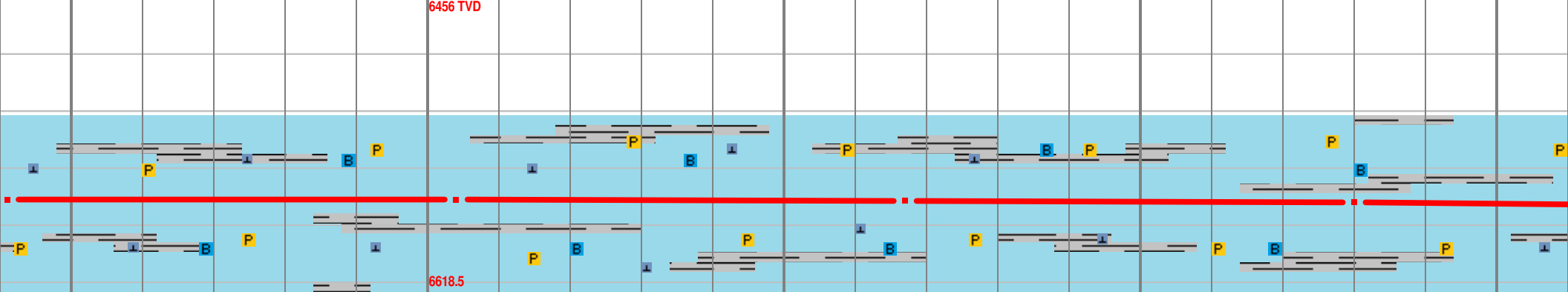
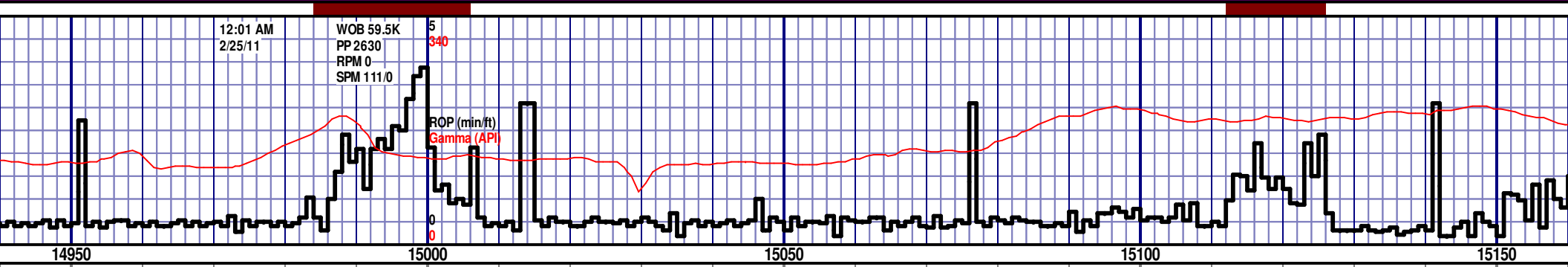
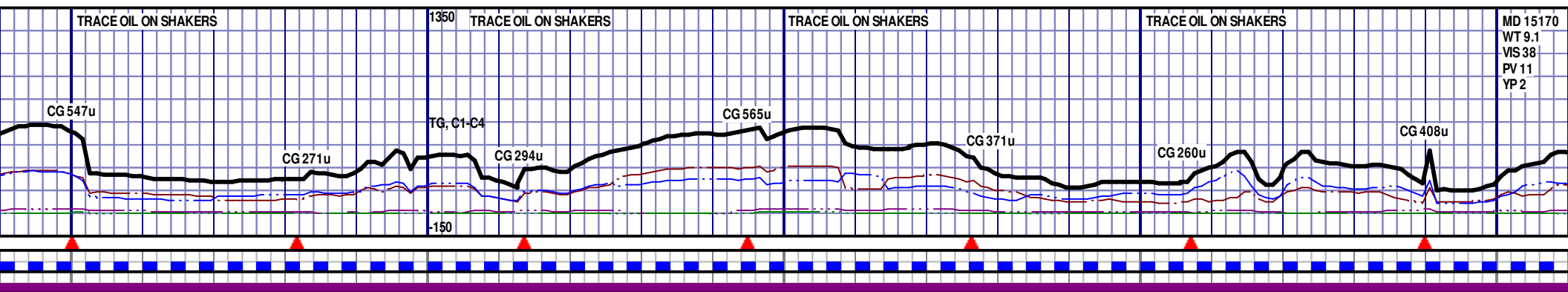
CHK; 45%; LT GRY TO GRY, SOFT, SH INCLUS, PYR INCLUS,
CALC NODULES, POOR INTRXLN POR, YLW FLUOR,
BLU STRM CUT, TRC BENT

MD 14751 TVD 6572.51
Az 177.34° Inc 90.37° VS 8477.62

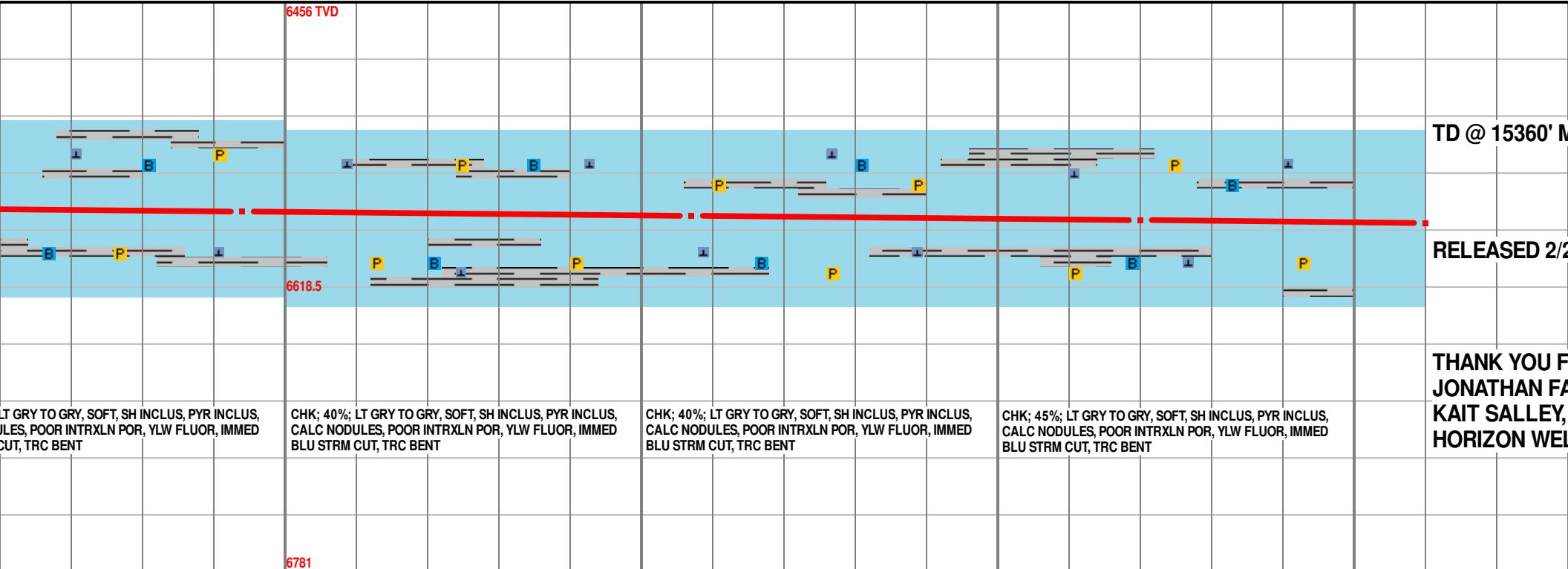
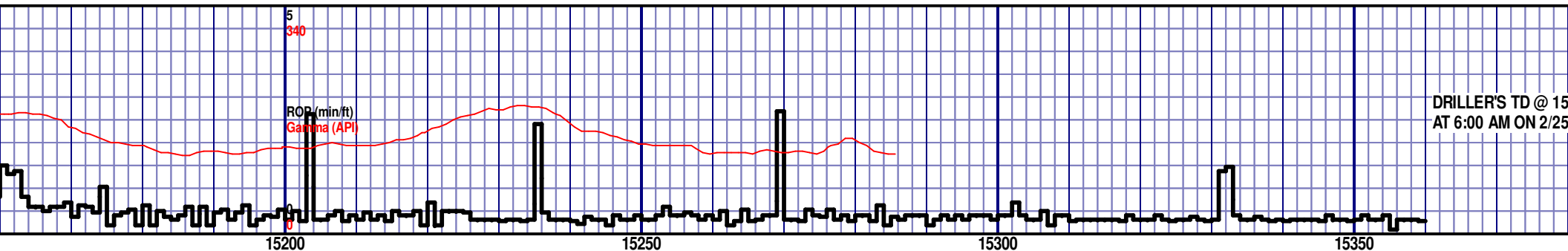
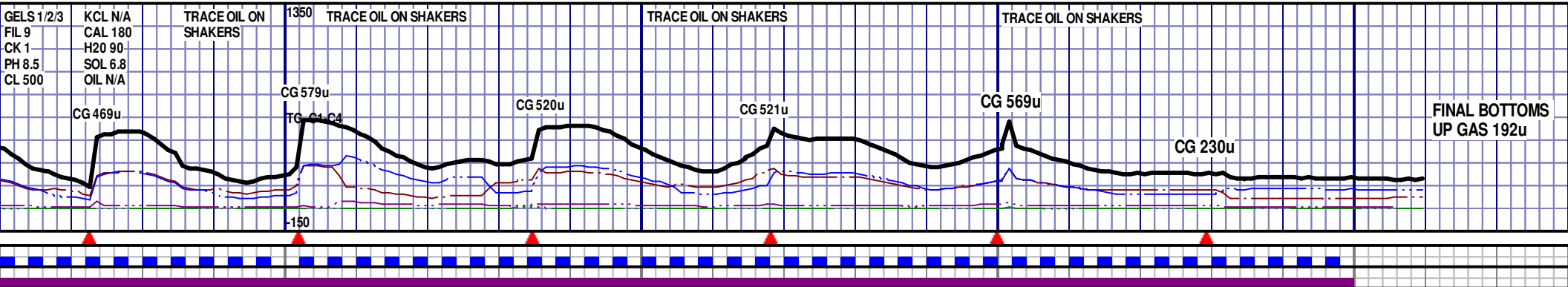
MD 14814 TVD 6572.24
Az 177.29° Inc 90.12° VS 8540.55

MD 14878 TVD 6572.03
Az 176.23° Inc 90.25° VS 8604.45

6781



INCLUS, r, IMMED	CHK; 45%; LT GRY TO GRY, SOFT, SH INCLUS, PYR INCLUS, CALC NODULES, POOR INTRXLN POR, YLW FLUOR, IMMED BLU STRM CUT, TRC BENT	CHK; 45%; LT GRY TO GRY, SOFT, SH INCLUS, PYR INCLUS, CALC NODULES, POOR INTRXLN POR, YLW FLUOR, IMMED BLU STRM CUT, TRC BENT	CHK; 40%; LT GRY TO GRY, SOFT, SH INCLUS, PYR INCLUS, CALC NODULES, POOR INTRXLN POR, YLW FLUOR, IMMED BLU STRM CUT, TRC BENT	CHK; 40%; LT GRY TO GRY, SOFT, SH INCLUS, PYR INCLUS, POOR INTRXLN POR, YLW FLUOR, IMMED BLU STRM CUT, TRC BENT	CHK; 40%; CALC NODU BLU STRM C
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LT GRY TO GRY, SOFT, SH INCLUS, PYR INCLUS,
NODULES, POOR INTRXLN POR, YLW FLUOR, IMMEDIATE
CUT, TRC BENT

CHK; 40%; LT GRY TO GRY, SOFT, SH INCLUS, PYR INCLUS,
CALC NODULES, POOR INTRXLN POR, YLW FLUOR, IMMEDIATE
BLU STRM CUT, TRC BENT

CHK; 40%; LT GRY TO GRY, SOFT, SH INCLUS, PYR INCLUS,
CALC NODULES, POOR INTRXLN POR, YLW FLUOR, IMMEDIATE
BLU STRM CUT, TRC BENT

CHK; 45%; LT GRY TO GRY, SOFT, SH INCLUS, PYR INCLUS,
CALC NODULES, POOR INTRXLN POR, YLW FLUOR, IMMEDIATE
BLU STRM CUT, TRC BENT

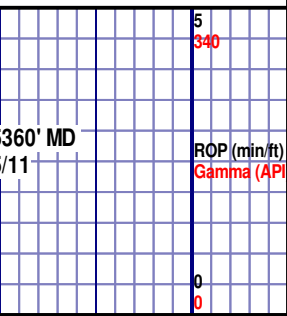
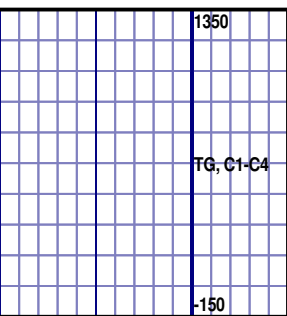
MD 15194 TVD 6575.61
Az 176.03° Inc 87.78° VS 8919.7

MD 15257 TVD 6578.05
Az 176.5° Inc 87.77° VS 8982.52

MD 15320 TVD 6580.43
Az 176.19° Inc 87.9° VS 9045.34

PROJ. TO BIT

MD 15360 TVD 6581.9
Az 176.19° Inc 87.9° VS 9045.34



15400

