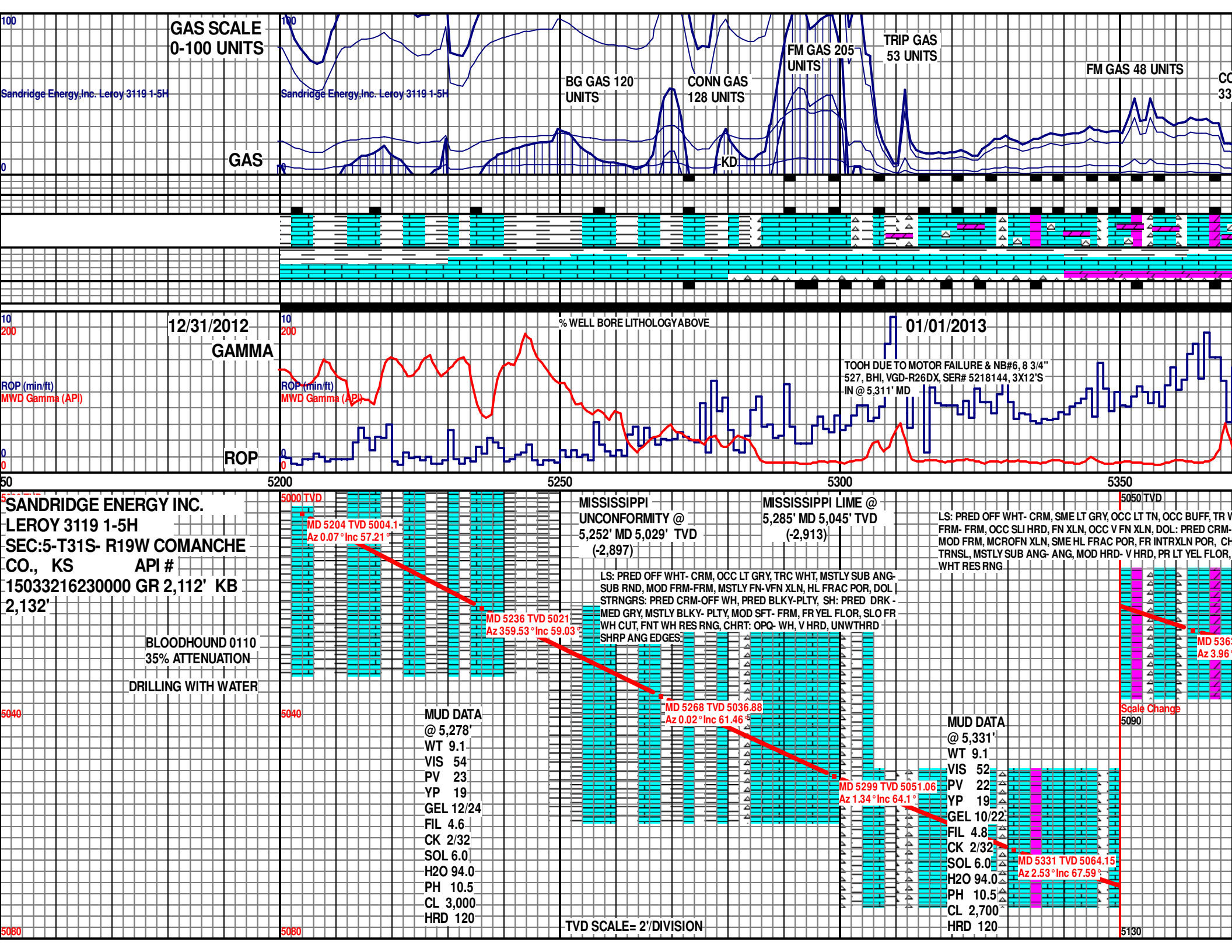
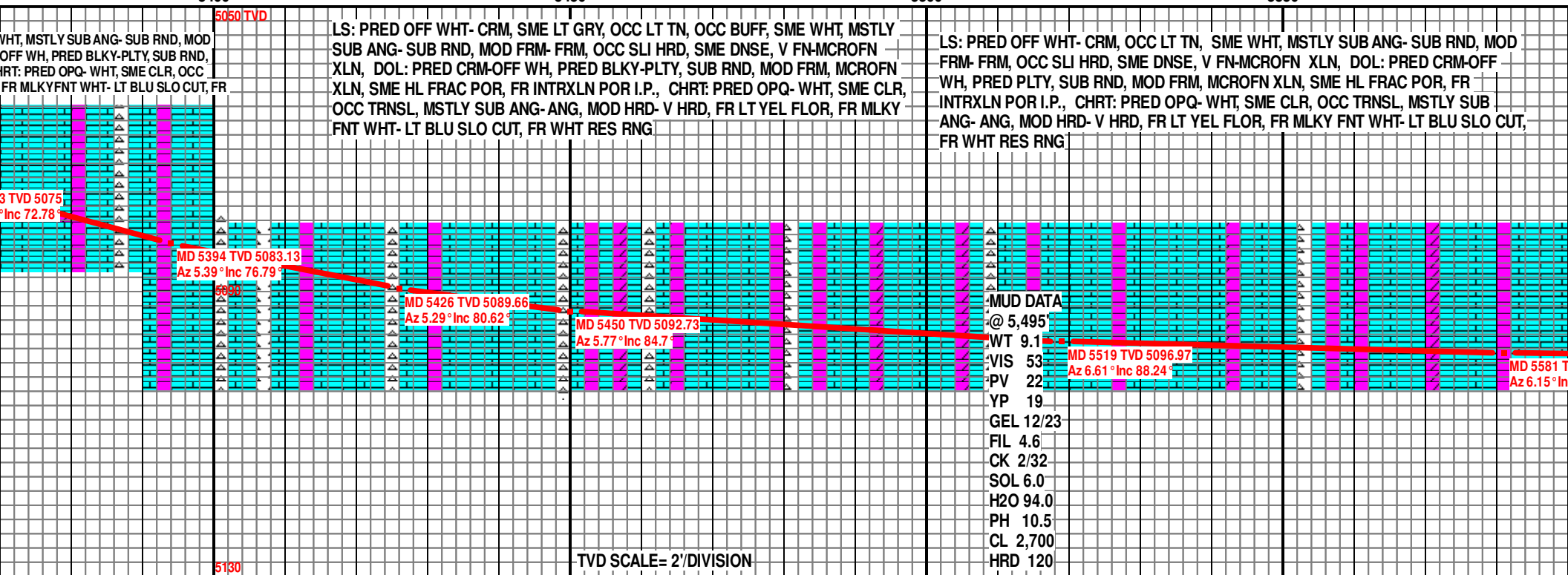
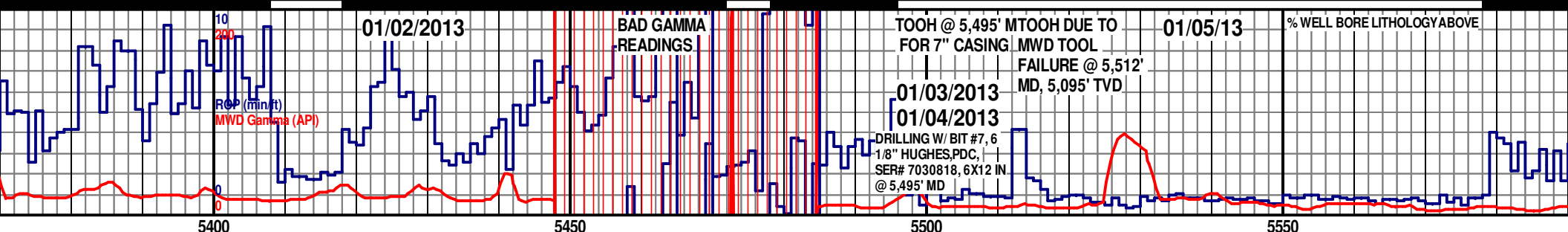
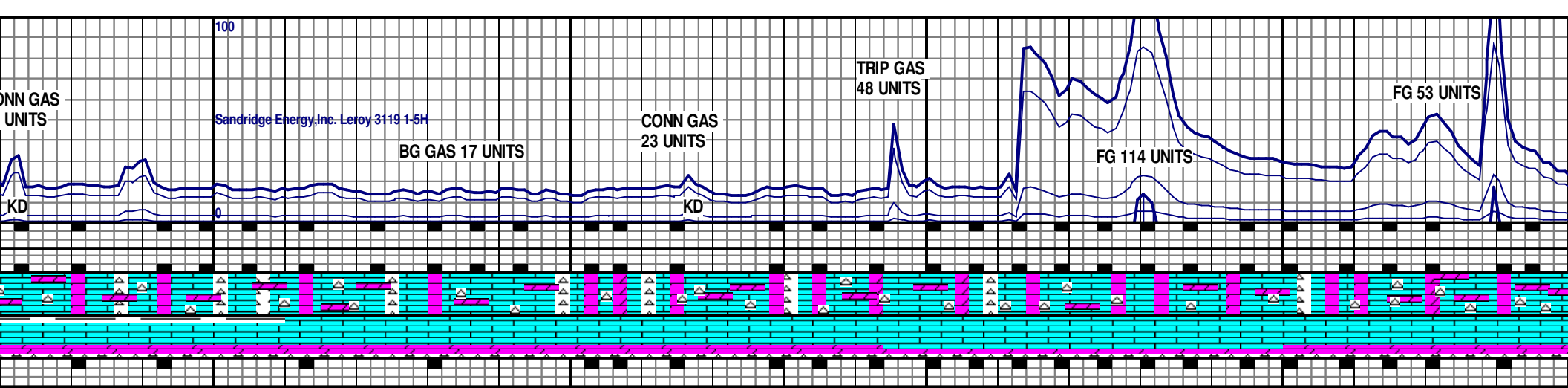
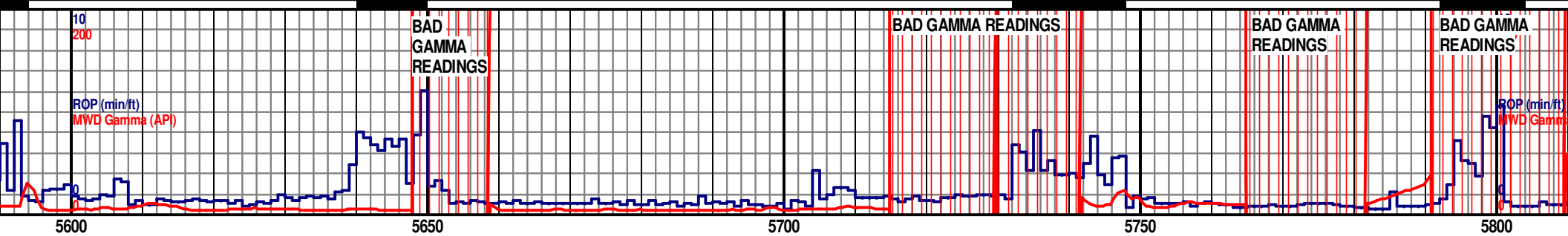
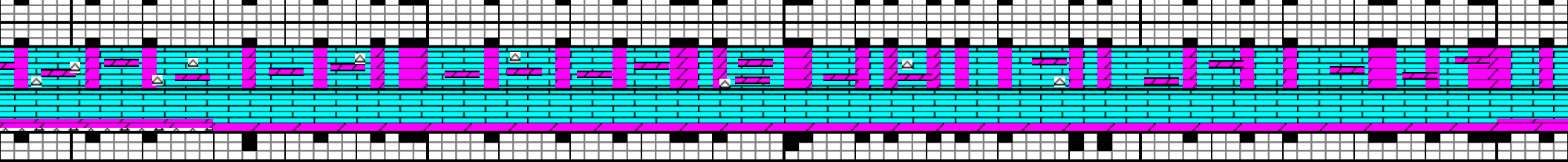
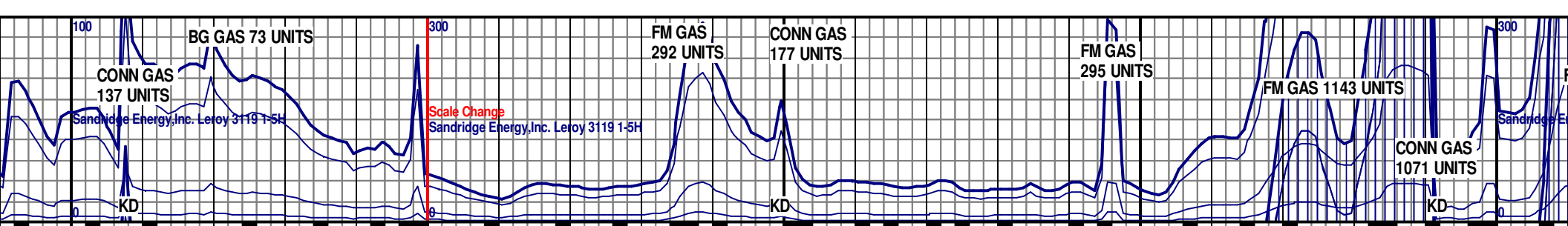








5600 5650 5700 5750 5800

5060 TVD

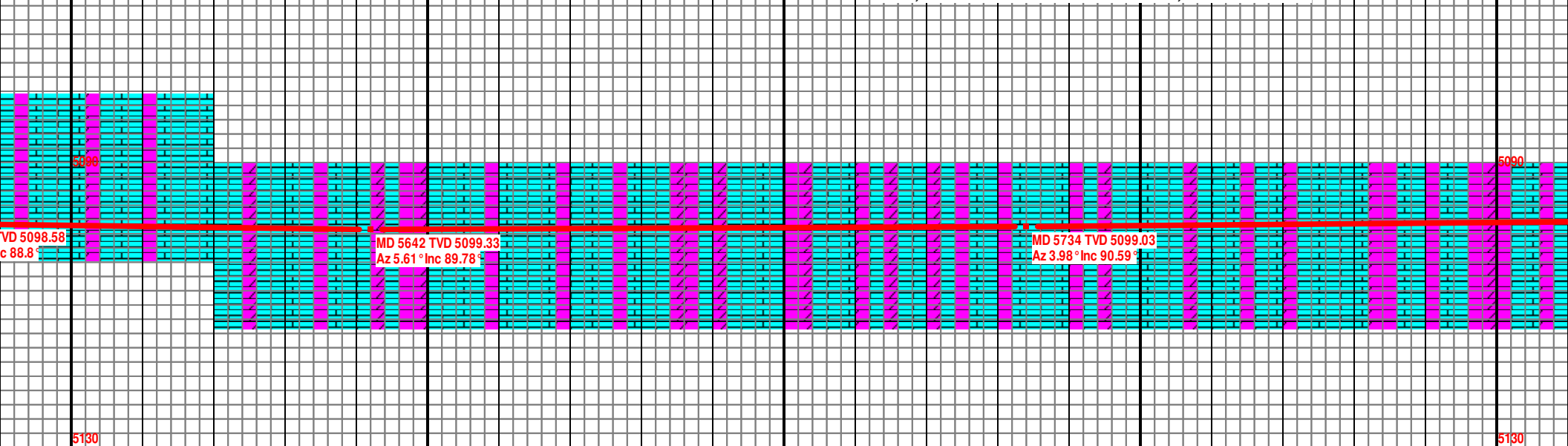
WOB: 3.3 K
RPM: 36
SPM: 79
PP: 1410
GPM 281

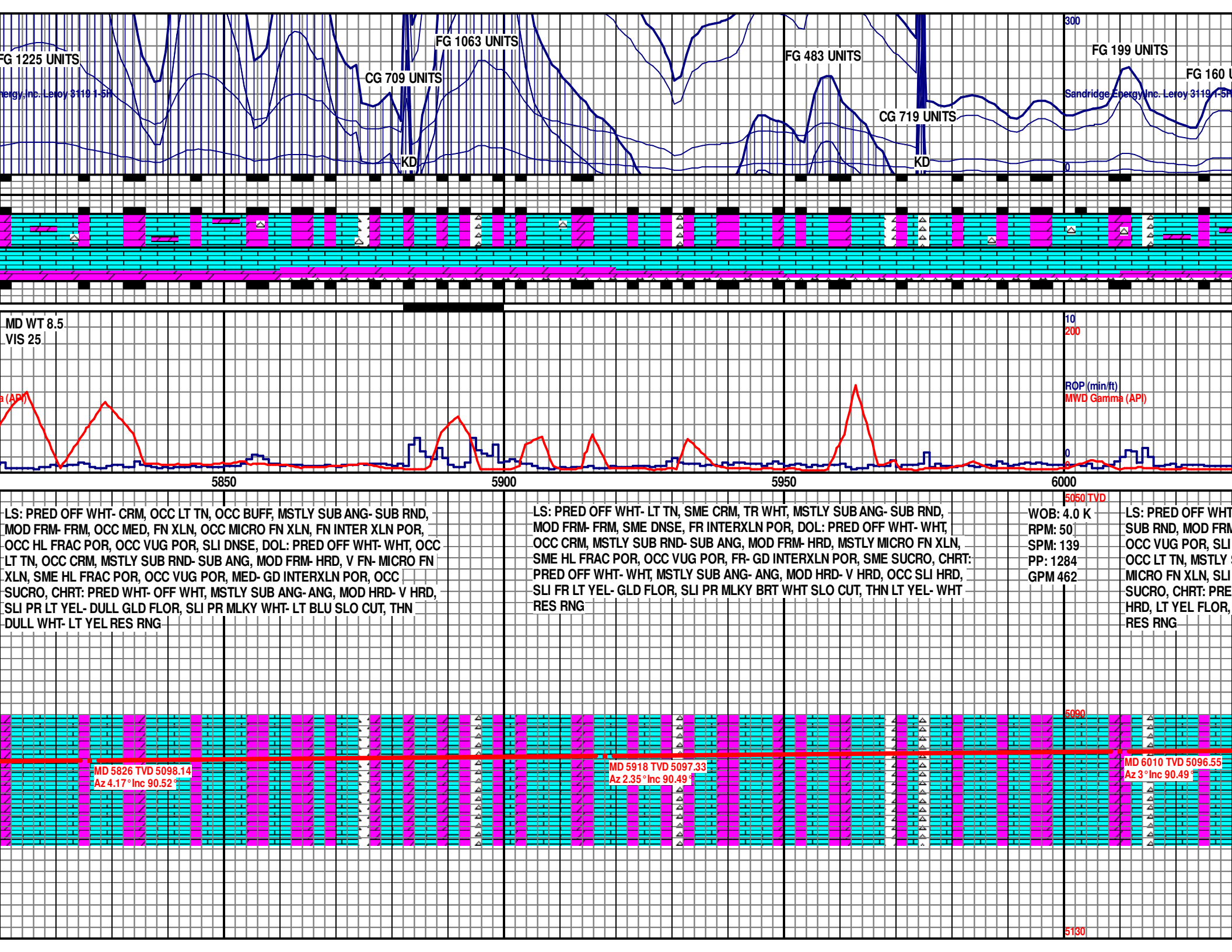
LS: PRED OFF WHT- WHT, OCC LT CRM, MSTLY SUB ANG-SUB RND, MOD FRM- FRM, OCC SLI HRD, SME DNSE, V FN-MCROFN XLN, DOL: PRED CRM-OFF WH, PRED BLKY-PLTY, SUB RND, MOD FRM, V FN-MCROFN XLN, SME HL FRAC POR, FR-GD INTRXLN POR I.P., TRC CHRT, FR LT YEL FLOR, FR MLKY FNT WHT- LT BLU SLO CUT, FR WHT RES RNG

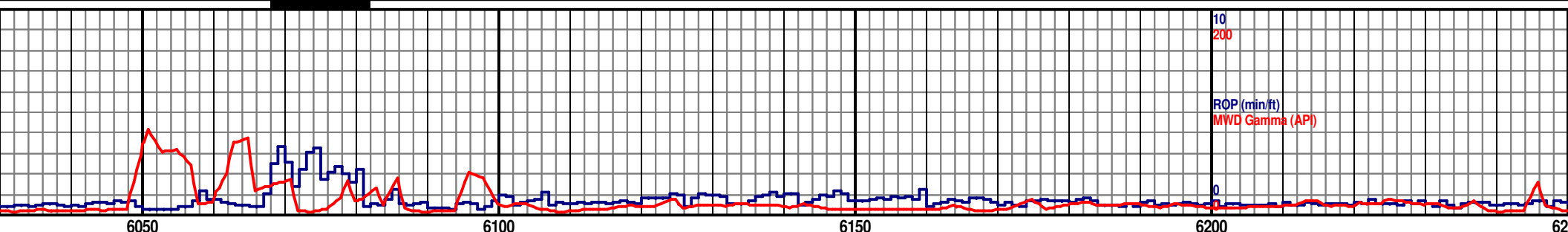
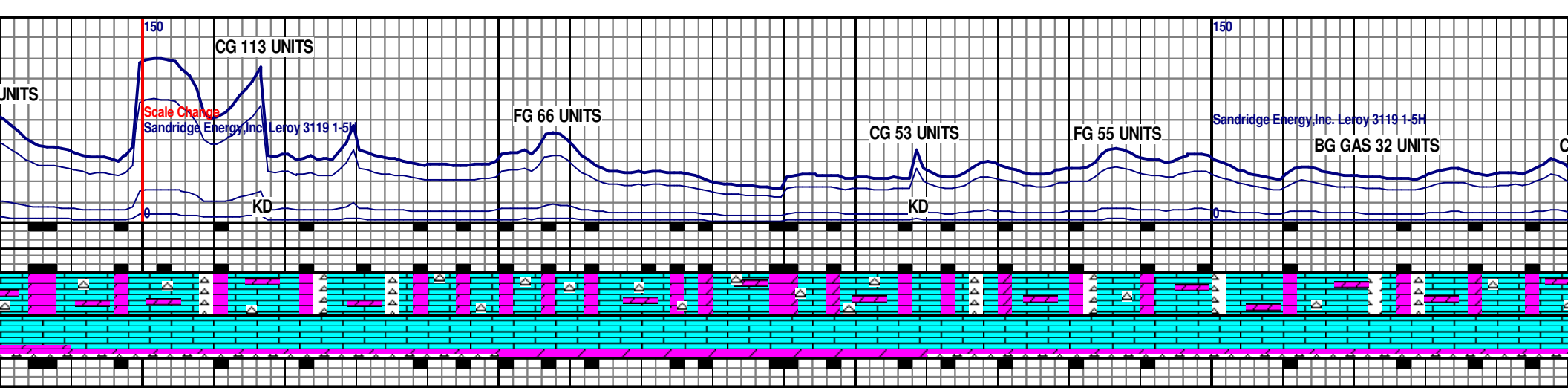
LS: PRED OFF WHT- WHT, OCC LT CRM, MSTLY SUB ANG-SUB RND, MOD FRM- FRM, OCC SLI HRD, SME DNSE, V FN-MCROFN XLN, DOL: PRED CRM-OFF WH, PRED BLKY-PLTY, SUB RND, MOD FRM, V FN-MCROFN XLN, SME HL FRAC POR, SME SUCRO, FR-GD INTRXLN POR I.P., FR LT YEL FLOR, FR MLKY FNT WHT- LT BLU SLO CUT, FR WHT RES RNG

5060 TVD

WOB: 6.5 K
RPM: 0
SPM: 138
PP: 895
GPM 281





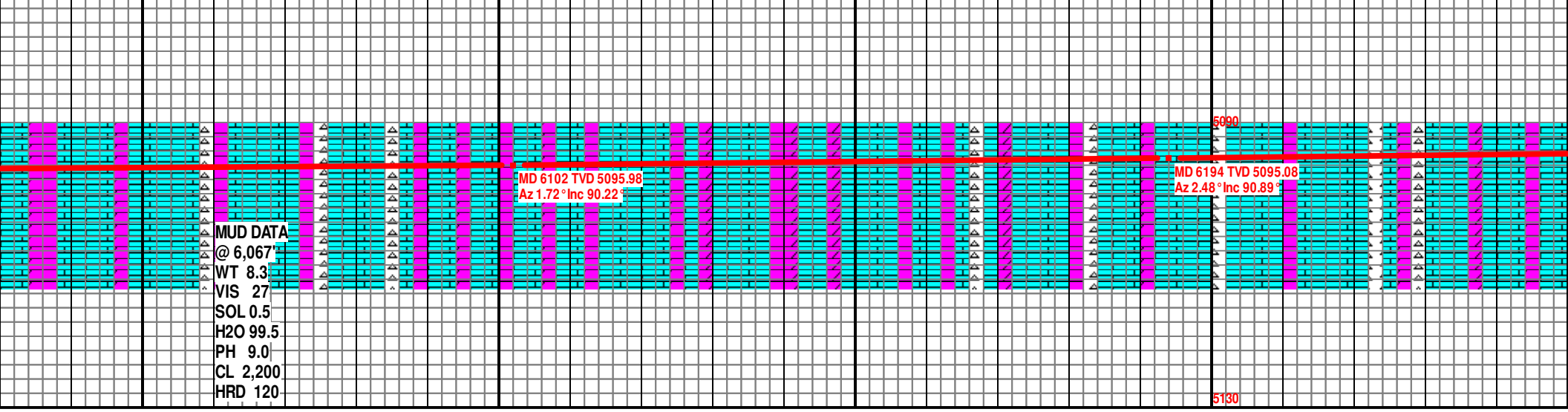


LT TN, SME CRM, OCC BUFF, TR WHT, MSTLY SUB ANG-
FRM, MSTLY V FN- MICRO FN XLN, OCC HL FRAC POR,
FR INTERXLN POR, DOL: PRED OFF WHT- WHT, SME CUFF,
SUB RND- SUB ANG, MOD FRM- HRD, MSTLY FN XLN, SME
FR INTERXLN POR, SME HL FRAC POR, SLI DNSE, SME
D WHT- OPQ, OCC CLR, MSTLY SUB ANG- ANG, MOD HRD- V
SLI PR MLKY BRT WHT- LT BLU SLO CUT, THN LT YEL- WHT

LS: PRED OFF WHT- LT TN, SME CRM, MSTLY SUB ANG- SUB RND, MOD FRM-
FRM, MSTLY MICRO FN XLN, SLI FR INTERXLN POR, SLI DNSE, DOL: PRED OFF
WHT- WHT, SME LT TN, MSTLY SUB RND- SUB ANG, MOD FRM- HRD, MICRO FN
XLN, FR INTERXLN POR, SME HL FRAC POR, OCC SUCRO, CHRT: PRED WHT-
OPQ, SME TRNSL, MSTLY SUB ANG- ANG, OCC SUB RND, MOD HRD- V HRD,
OCC BRIT, PR LT YEL- DULL GLD FLOR, PR MLKY DULL WHT- LT BLU SLO CUT,
V THN LT YEL RES RNG

WOB: 2.9 K
RPM: 50
SPM: 79
PP: 1386
GPM 267

LS: PRED OFF WHT, SME CRM, MSTLY S
MICRO FN XLN, FR- GD INTERXLN POR,
OCC SLI DNSE, DOL: PRED LT TN, SME
FRM- HRD, FN XLN, OCC MICRO FN XLN
SME SUCRO, CHRT: PRED OPQ- WHT, S
MOD HRD- V HRD, SLI PR DULL GLD FL
CUT, V THN LT YEL- WHT RES RNG



CG 39 UNITS

CG 38 UNITS

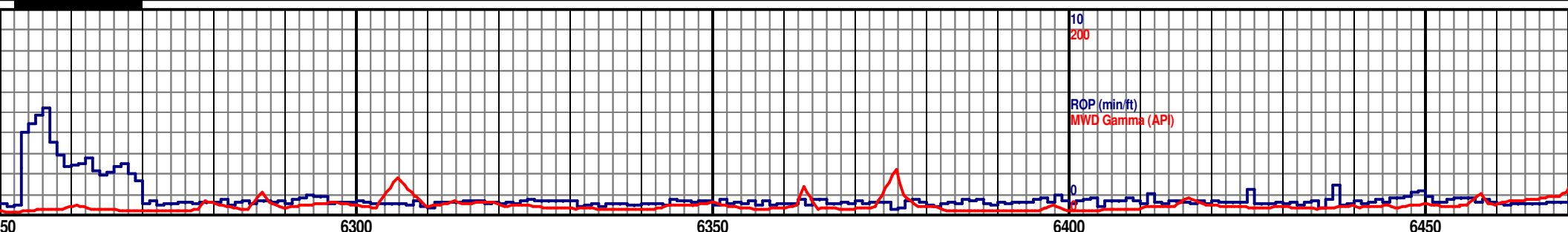
CONN GAS
59 UNITS

Sandridge Energy, Inc. Lefroy 3119 1-5H

KD

KD

KD

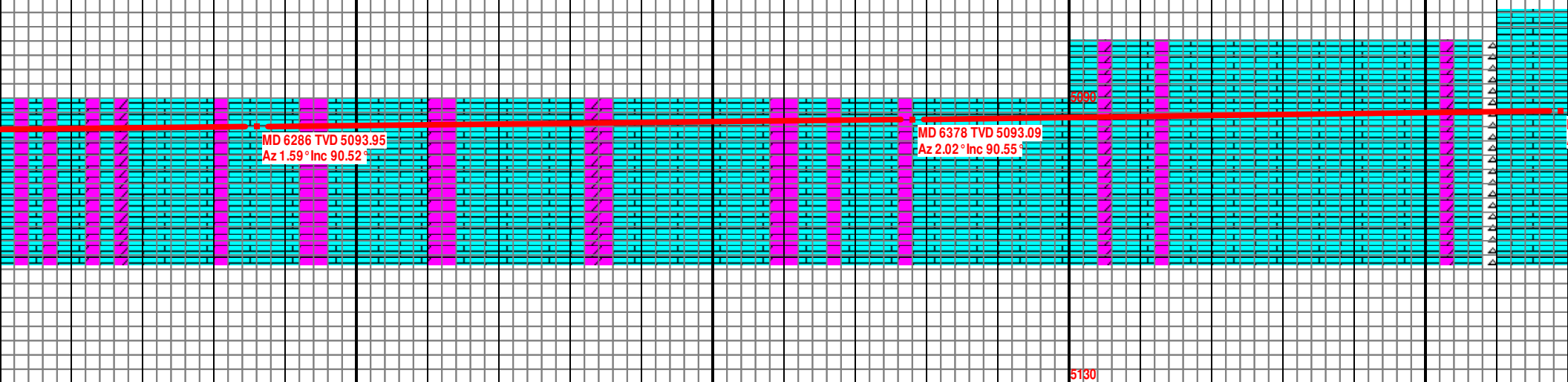


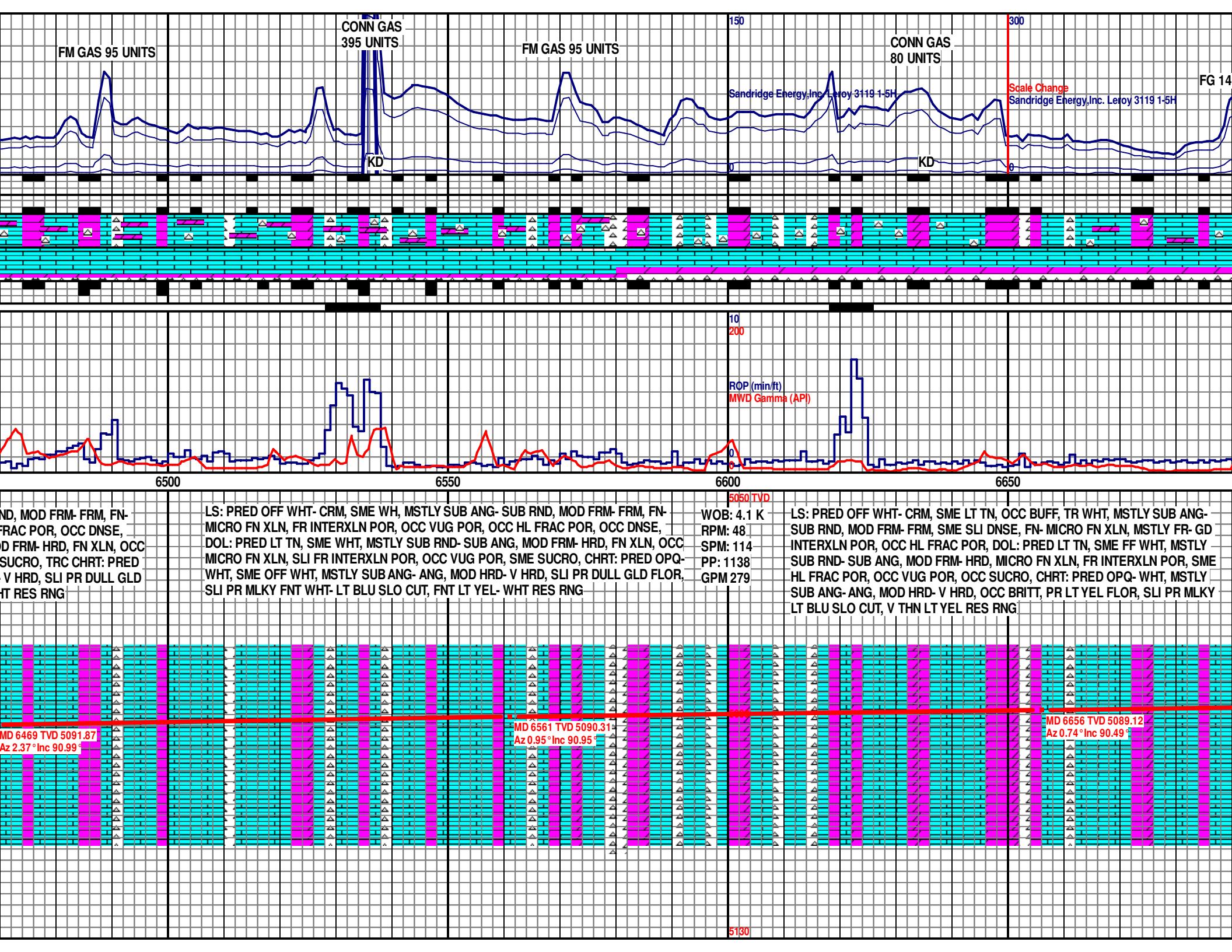
SUB ANG- SUB RND, MOD FRM- FRM, FN-
OCC VUG POR, OCC HL FRAC POR,
WHT, MSTLY SUB RND- SUB ANG, MOD
SLI FR INTERXLN POR, OCC VUG POR,
SME OFF WHT, MSTLY SUB ANG- ANG,
OR, SLI PR MLKY FNT WHT- LT BLU SLO

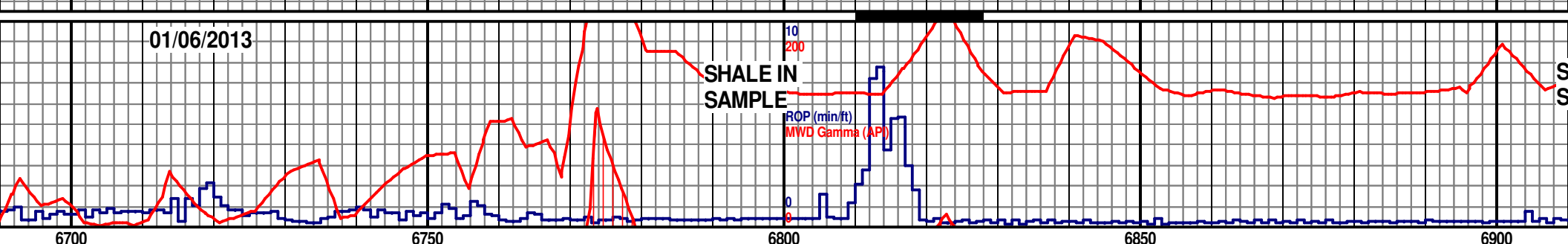
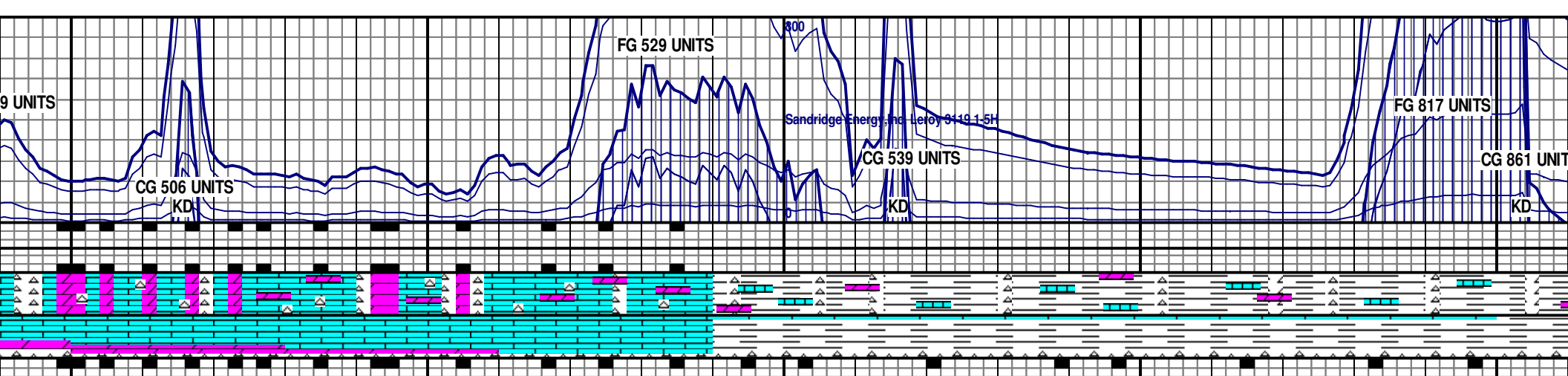
LS: PRED OFF WHT, SME CRM, MSTLY SUB ANG- SUB RND, MOD FRM- FRM, FN-
MICRO FN XLN, FR- GD INTERXLN POR, OCC VUG POR, OCC HL FRAC POR, OCC SLI
DNSE, DOL: PRED LT TN, SME WHT, MSTLY SUB RND- SUB ANG, MOD FRM- HRD, FN
XLN, OCC MICRO FN XLN, SLI FR INTERXLN POR, OCC VUG POR, SME SUCRO, CHRT:
PRED OPQ- WHT, SME OFF WHT, MSTLY SUB ANG- ANG, MOD HRD- V HRD, SLI PR
DULL GLD FLOR, SLI PR MLKY FNT WHT- LT BLU SLO CUT, V THN LT YEL- WHT RES
RNG

WOB: 5 K
RPM: 50
SPM: 80
PP: 1000
GPM 281

LS: PRED OFF WHT- CRM, SME WH, MSTLY SUB ANG- SUB RND
MICRO FN XLN, FR INTERXLN POR, OCC VUG POR, OCC HL F
DOL: PRED LT TN, SME WHT, MSTLY SUB RND- SUB ANG, MO
MICRO FN XLN, SLI FR INTERXLN POR, OCC VUG POR, SME
OPQ- WHT, SME OFF WHT, MSTLY SUB ANG- ANG, MOD HRD-
FLOR, SLI PR MLKY FNT WHT- LT BLU SLO CUT, FNT YEL- WH



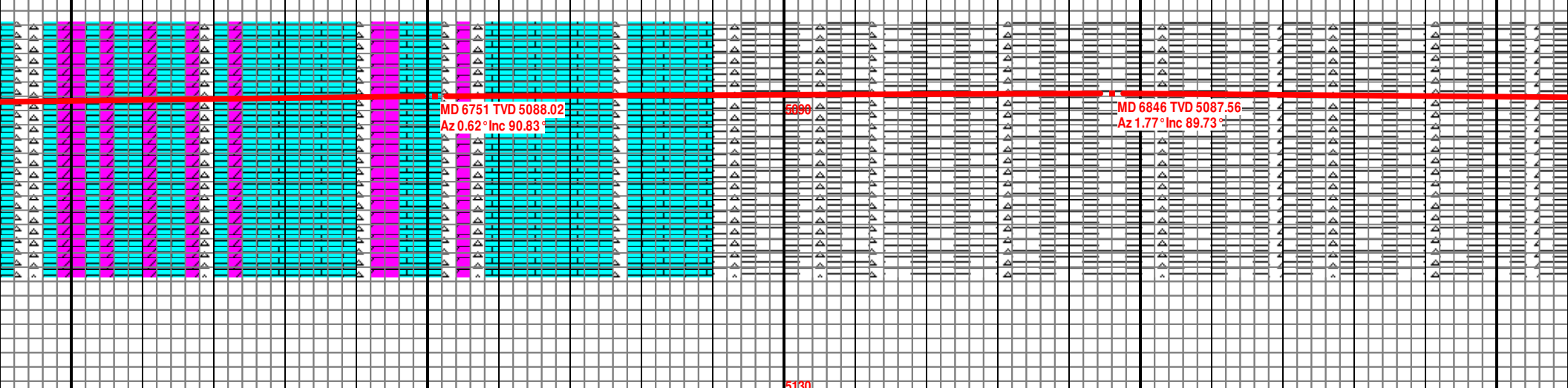


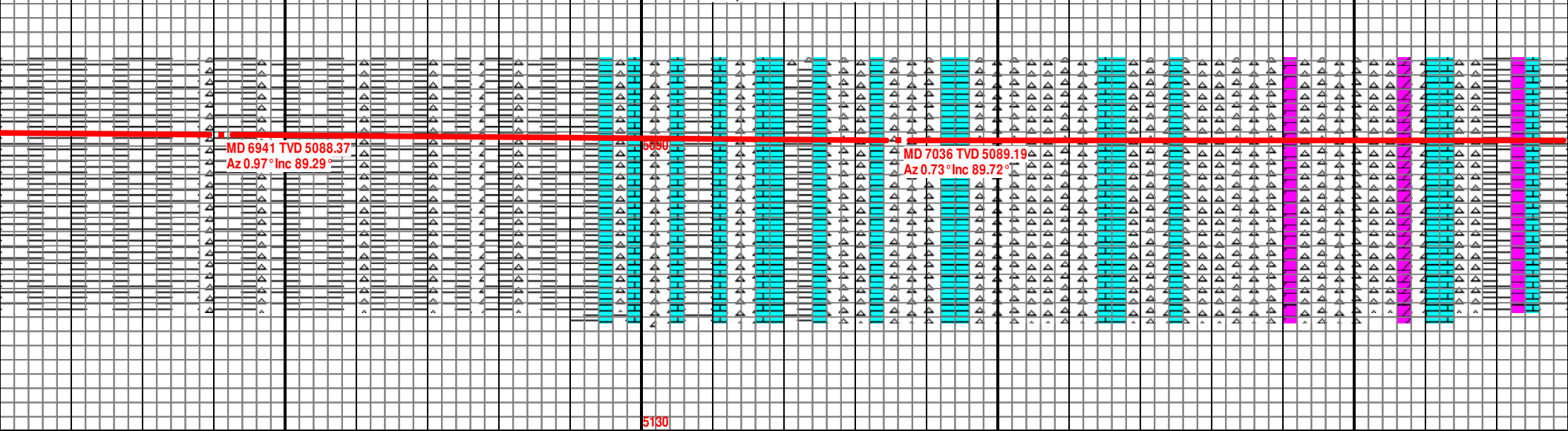
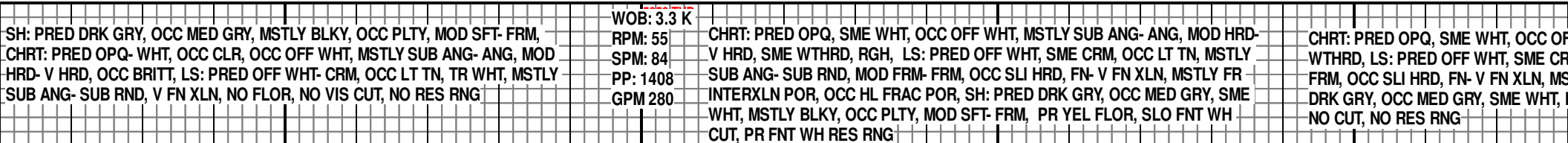
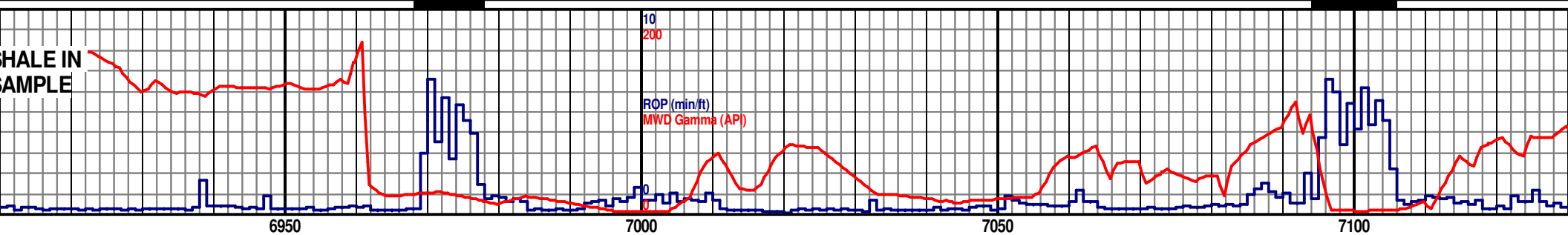
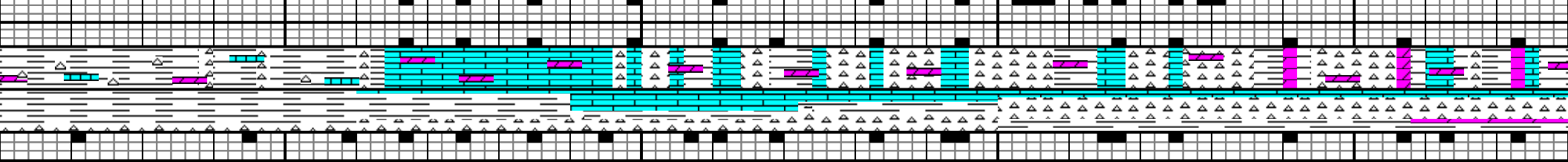
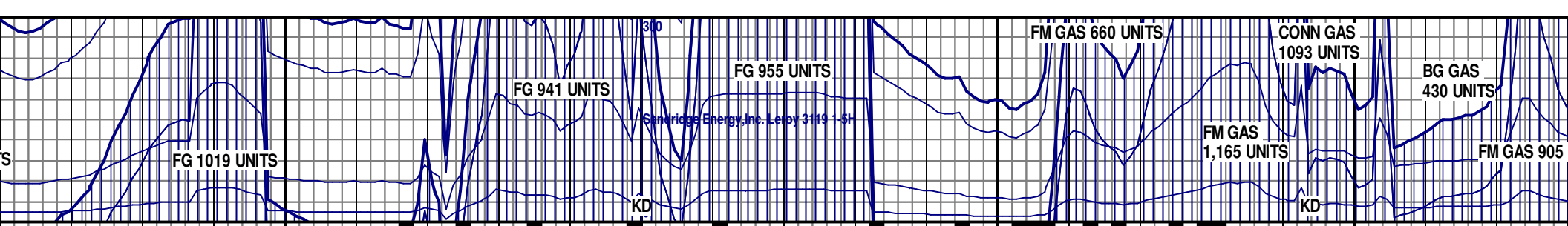


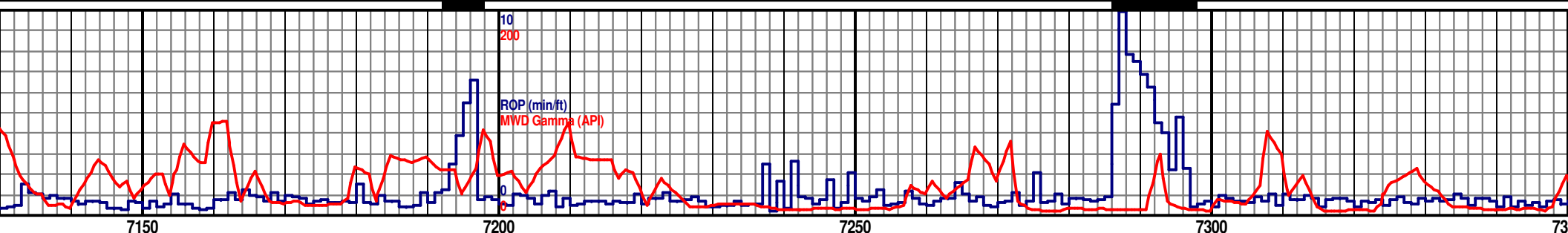
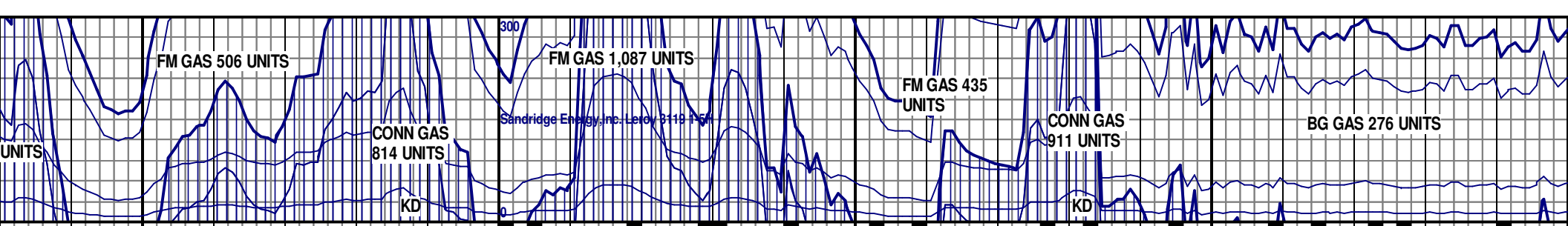
LS: PRED OFF WHT, SME CRM, OCC LT TN, MSTLY SUB ANG- SUB RND, MOD FRM- FRM, OCC SLI HRD, FN- V FN XLN, MSTLY FR INTERXLN POR, OCC HL FRAC POR, DOL: PRED OFF WHT, MSTLY SUB RND- SUB ANG, MOD FRM- HRD, MSTLY MICRO FN XLN, SLI FR INTERXLN POR, SME SUCRO, CHRT: PRED OPQ, SME WHT, OCC OFF WHT, MSTLY SUB ANG- ANG, MOD HRD- V HRD, SLI PR DULL GLD FLOR, PR MLKY FNT WHT- LT BLU SLO CUT, V THN LT YEL- WHT RES RNG

WOB: 7.9 K
RPM: 0
SPM: 143
PP: 1173
GPM 479

SH: PRED DRK GRY, OCC BLK CARB, MSTLY BLKY- PLTY, OCC SUB RND, MOD SFT- FRM, OCC MED, CHRT: PRED OPQ, SME WHT, MSTLY SUB ANG- ANG, MOD HRD- V HRD, LS: PRED OFF WHT- CRM, MSTLY SUB ANG- SUB RND, MOD FRM- FRM, V FN XLN, MSTLY FR INTERXLN POR, NO FLOR, NO VIS CUT, NO RES RNG







FF WHT, MSTLY SUB ANG- ANG, MOD HRD- V HRD, SME
M, OCC LT TN, MSTLY SUB ANG- SUB RND, MOD FRM-
STLY FR INTERXLN POR, OCC HL FRAC POR, SH: PRED
MSTLY BLKY, OCC PLTY, MOD SFT- FRM, FR YEL FLOR,

WOB: 7.0 K

RPM: 50

SPM: 85

PP: 1300

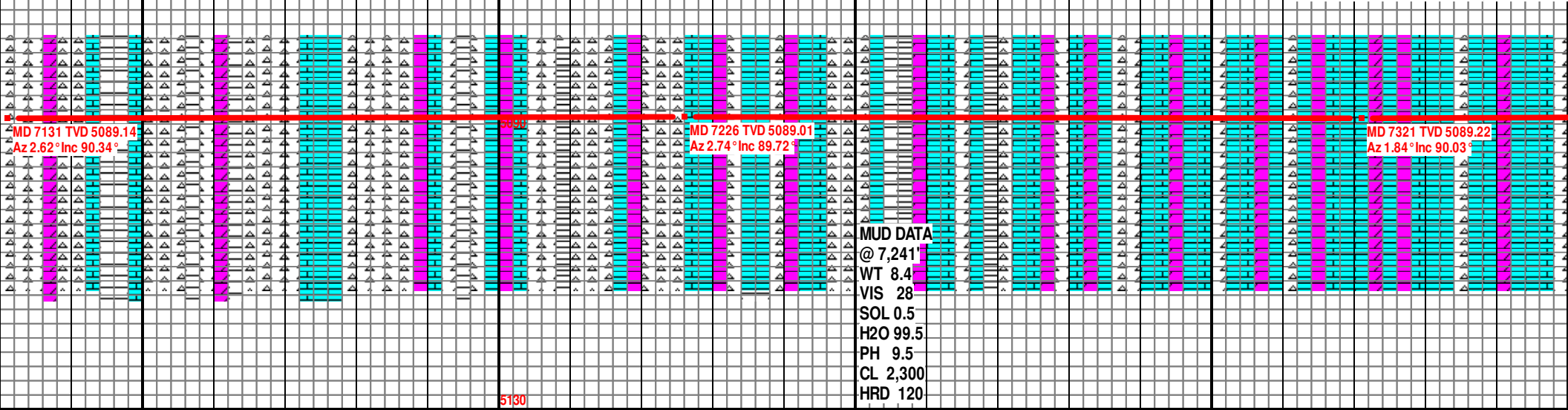
GPM 298

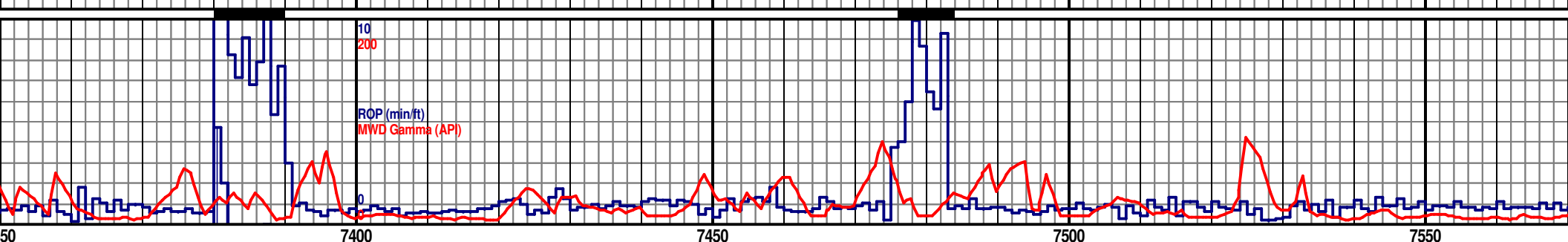
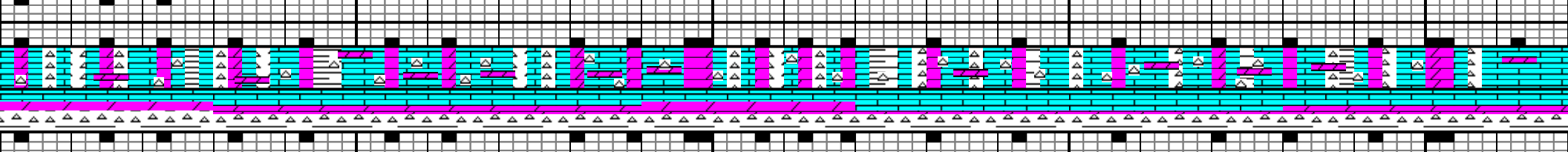
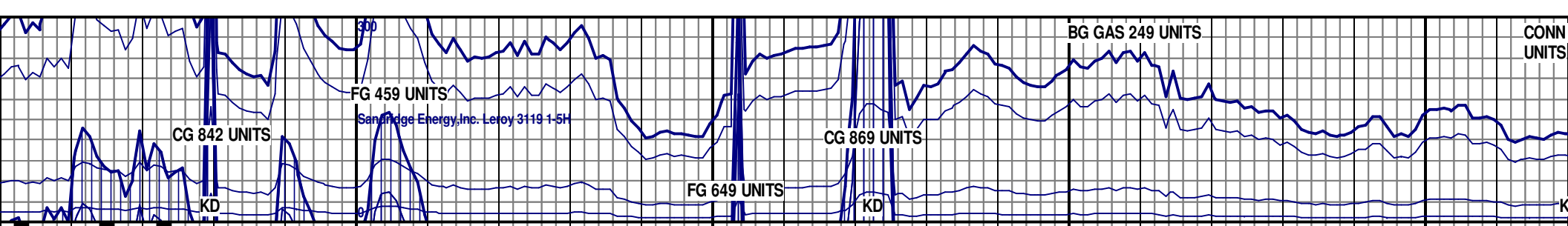
MD WT 8.6

VIS 27

CHRT: PRED OPQ, SME WHT, OCC OFF WHT, MSTLY SUB ANG- ANG, MOD HRD-
V HRD, SME WTHRD, LS: PRED OFF WHT, SME CRM, OCC LT TN, MSTLY SUB
ANG- SUB RND, MOD FRM- FRM, OCC SLI HRD, FN- V FN XLN, MSTLY FR
INTERXLN POR, OCC HL FRAC POR, SH: PRED DRK GRY, OCC MED GRY, SME
WHT, MSTLY BLKY, OCC PLTY, MOD SFT- FRM, FR YEL FLOR, SLO FNT WH
CUT, FR WH RES RNG

LS: PRED OFF WHT, SME CRM, OCC LT T
ANG- SUB RND, MOD FRM- FRM, OCC SLI
SME DNSE, FR INTERXLN POR, CHRT: PF
MOD HRD- V HRD, DOL: PRED OFF WHT-
FRM, MSTLY V FN XLN, FR- GD INTERXLN
MED- DRK GRY, OCC WHT, MSTLY BLKY-
PR MLKY FNT WHT SLO CUT, V THN LT Y



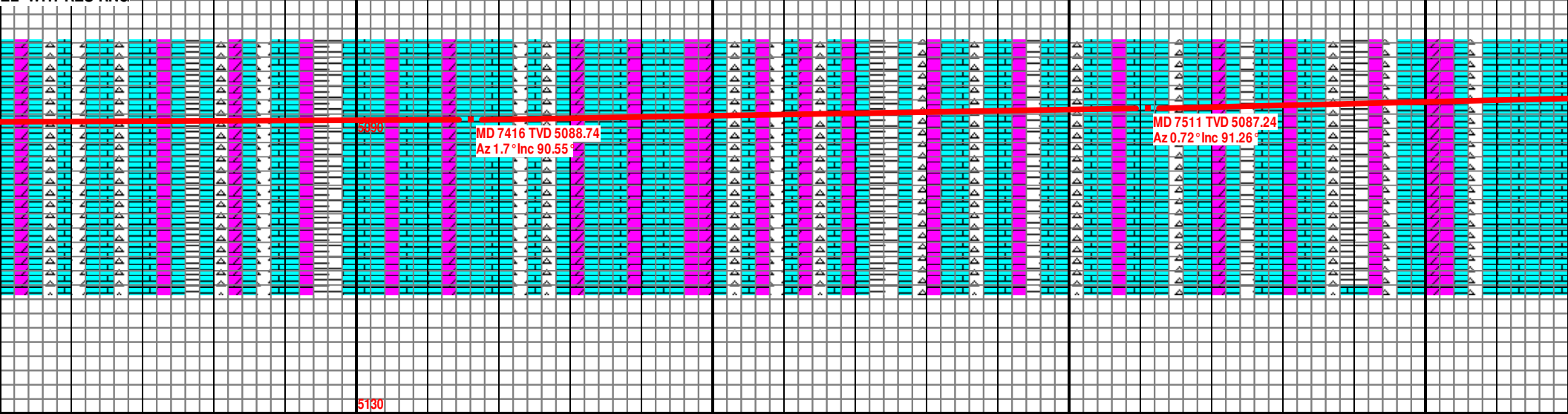


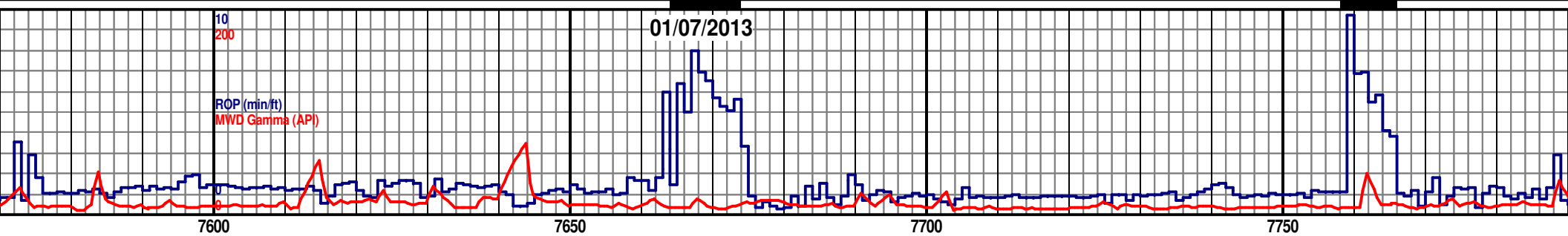
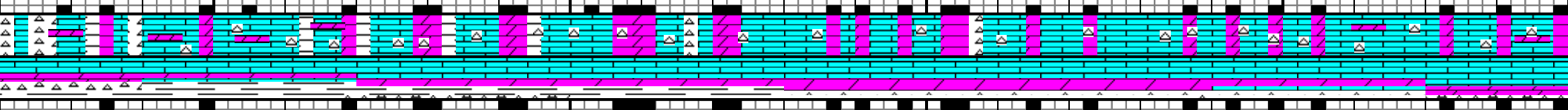
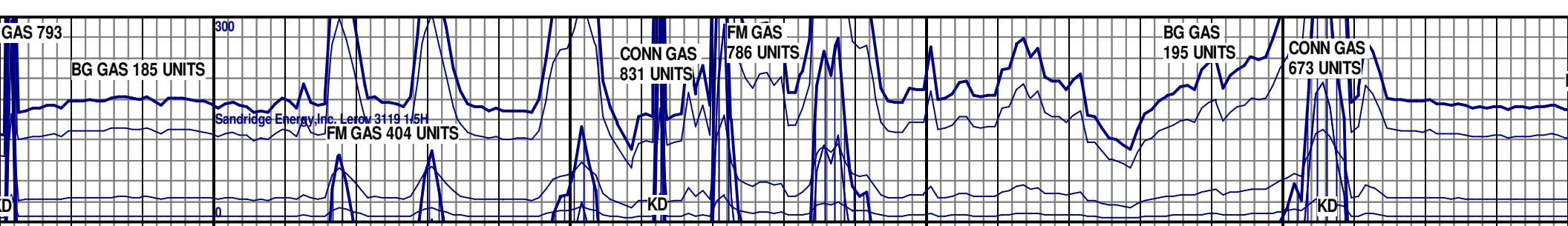
N, OCC BUFF, TR WHT, MSTLY SUB
HRD, MSTLY V FN- MICRO FN XLN,
RED OPQ- WHT, MSTLY SUB ANG- ANG,
CRM, MSTLY SUB RND- SUB ANG, MOD
N POR, OCC HL FRAC POR, SH: PRED
PLTY, MOD SFT- FRM, PR LT YEL FLOR,
EL- WHT RES RNG

WOB: 7.7K
RPM: 60
SPM: 85
PP: 1446
GPM 198

LS: PRED OFF WHT, SME CRM, MSTLY SUB ANG- SUB RND, MOD FRM- FRM,
MSTLY MICRO FN XLN, SME HL FRAC POR, DOL: PRED LT TN, SME CRM, MSTLY
SUB RND- SUB ANG, MOD FRM, V FN- MICRO FN XLN, MSTLY FR INTERXLN
POR, CHRT: PRED OPQ- WHT, MSTLY SUB ANG- ANG, MOD HRD- V HRD, SH:
PRED LT- MED GRY, OCC DRK GRY, MSTLY SUB ANG- BLKY, MOD SFT- FRM, PR
LT YEL- DULL GLD FLOR, NO VIS CUT, NO RES RNG

LS: PRED OFF WHT- LT TN, SME CRM, MSTLY SUB ANG- SUB RND, M
FRM, OCC SLI HRD, MSTLY V FN- MICRO FN XLN, FR- GD INTERXLN
PRED LT TN, SME CRM, OCC LT GRY, MSTLY SUB RND- SUB ANG, M
FN XLN, FR INTERXLN POR, CHRT: PRED OPQ, SME WHT, OCC TRN
SUB ANG- ANG, MOD HRD- V HRD, SH: PRED MED- LT GRY, SME WH
BLKY- PLTY, MOD SFT- FRM, SLI PR DULL GLD FLOR, NO VIS CUT, M





MOD FRM- POR, DOL: MOD FRM, V SL, MSTLY NO RES RNG

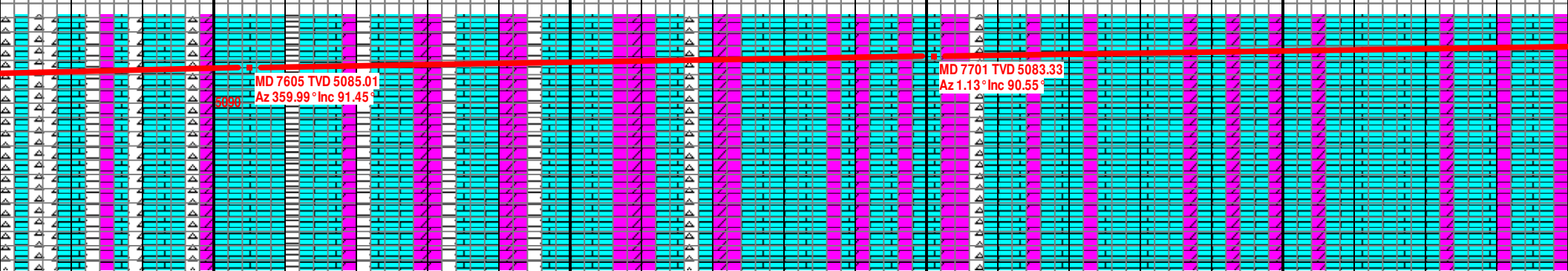
WOB: 9.1K RPM: 59 SPM: 85 PP:1545 GPM 300

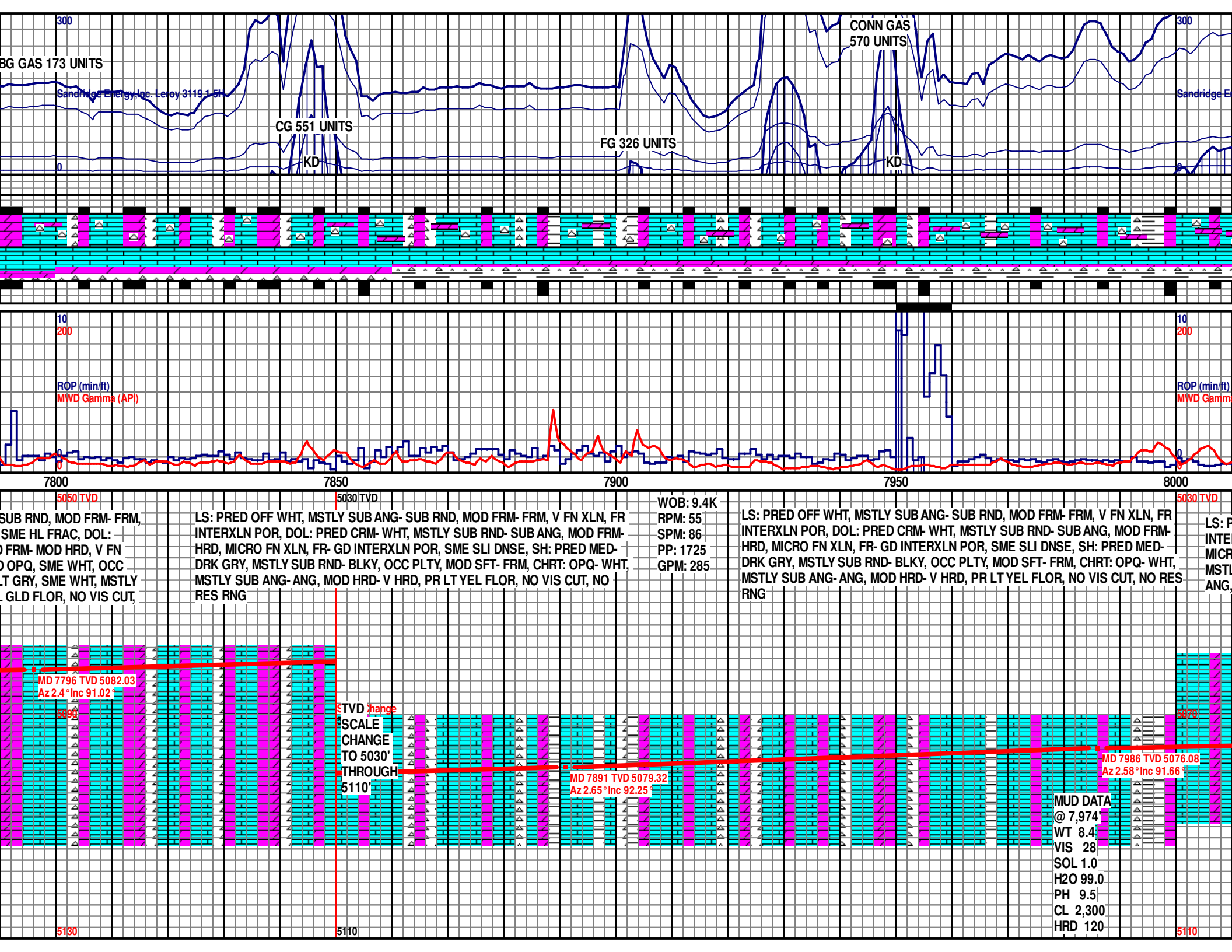
5060 TVD

LS: PRED OFF WHT- LT TN, SME CRM, MSTLY SUB ANG- SUB RND, MOD FRM- FRM, OCC SLI HRD, V FN- MICRO FN XLN, FR INTERXLN POR, SME HL FRAC, DOL: PRED LT TN, SME CRM, OCC LT GRY, MSTLY SUB RND- SUB ANG, MOD FRM- HRD, V FN XLN, FR INTERXLN POR, HL FRAC POR, TRC CHRT: PRED OPQ, SME WHT, OCC TRNSL, MSTLY SUB ANG- ANG, V HRD, SH: PRED MED- LT GRY, SME WHT, MSTLY BLKY- PLTY, OCC SPLNTRY, MOD SFT- FRM, SLI PR DULL GLD FLOR, NO VIS CUT, NO RES RNG

MD WT 8.7 VIS 27

LS: PRED OFF WHT- LT TN, SME CRM, MSTLY SUB ANG- OCC SLI HRD, V FN- MICRO FN XLN, FR INTERXLN POR, PRED LT TN, SME CRM, MSTLY SUB RND- SUB ANG, MOD XLN, FR INTERXLN POR, HL FRAC POR, TRC CHRT: PRED TRNSL, MSTLY SUB ANG- ANG, V HRD, SH: PRED MED- L BLKY- PLTY, OCC SPLNTRY, MOD SFT- FRM, SLI PR DULL NO RES RNG







CONN GAS
665 UNITS

BG GAS 165 UNITS

CONN GAS
372 UNITS

FG 131 UNITS

CG 364 UNITS

KD

KD

KD

ROP (API)

ROP (min/ft)
MWD Gamma (API)

8050

8100

8150

8200

WOB: 10.0K

5030 TVD

PRED OFF WHT, MSTLY SUB ANG- SUB RND, MOD FRM- FRM, V FN XLN, FR
INTERXLN POR, DOL: PRED CRM- WHT, MSTLY SUB RND- SUB ANG, MOD FRM- HRD,
MOD FN XLN, FR- GD INTERXLN POR, SME SLI DNSE, SH: PRED MED- DRK GRY,
MSTLY SUB RND- BLKY, OCC PLTY, MOD SFT- FRM, CHRT: OPQ- WHT, MSTLY SUB ANG-
MOD HRD- V HRD, PR LT YEL FLOR, FNT VIS WH CUT, NO RES RNG

RPM: 55
SPM: 100
PP: 2000
GPM: 300

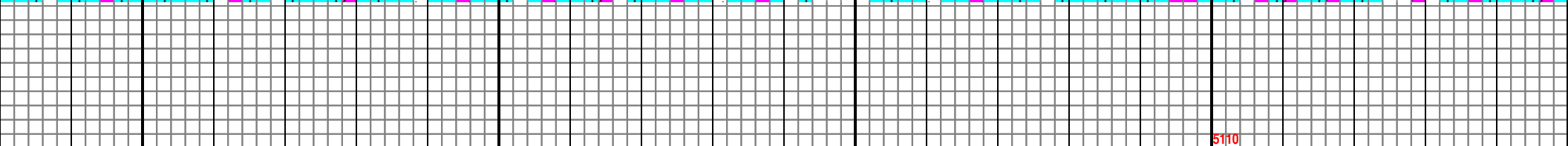
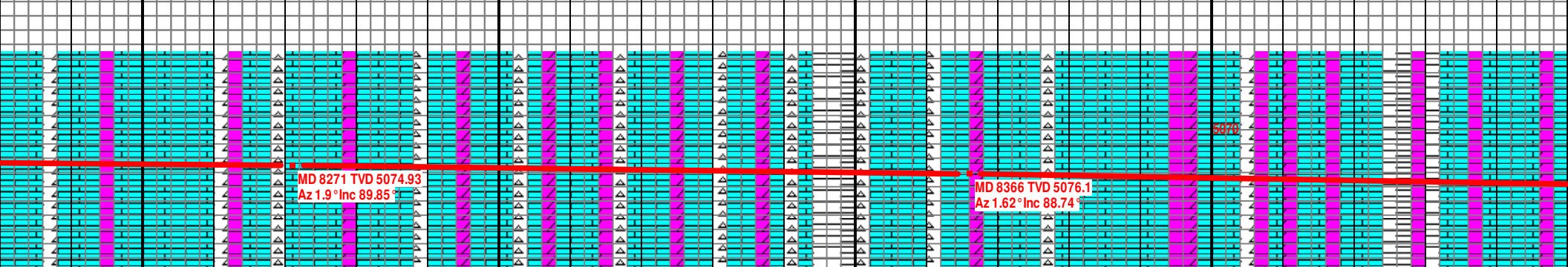
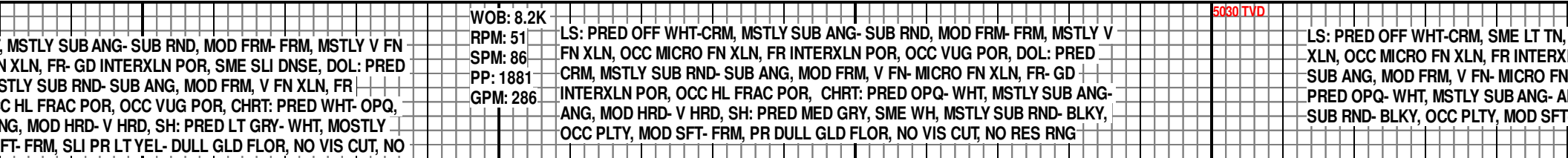
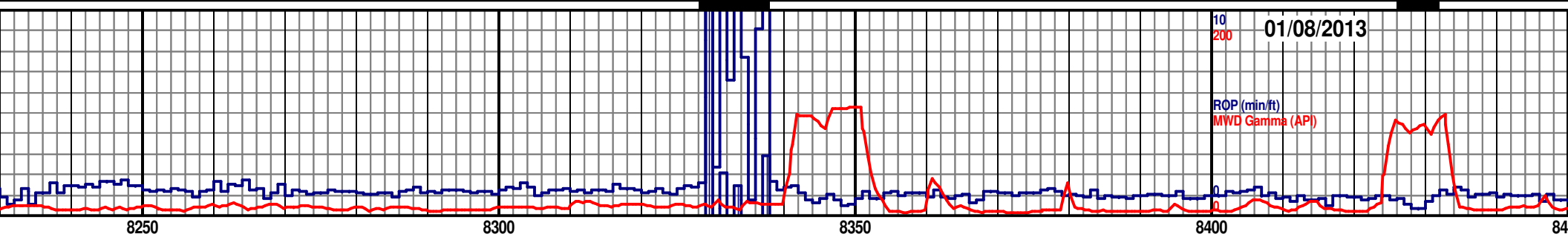
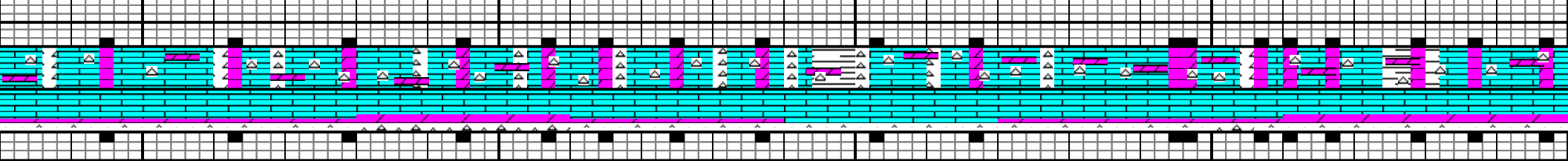
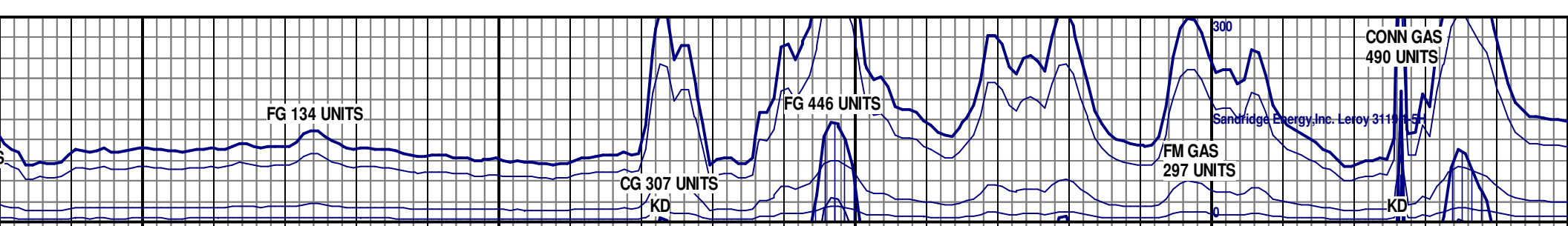
LS: PRED OFF WHT, MSTLY SUB ANG- SUB RND, MOD FRM- FRM, V FN XLN, FR
INTERXLN POR, DOL: PRED CRM- WHT, MSTLY SUB RND- SUB ANG, MOD FRM- HRD,
MICRO FN XLN, FR- GD INTERXLN POR, SME SLI DNSE, SH: PRED MED- DRK GRY,
MSTLY SUB RND- BLKY, OCC PLTY, MOD SFT- FRM, CHRT: OPQ- WHT, MSTLY SUB ANG-
ANG, MOD HRD- V HRD, PR LT YEL FLOR, NO VIS CUT, NO RES RNG

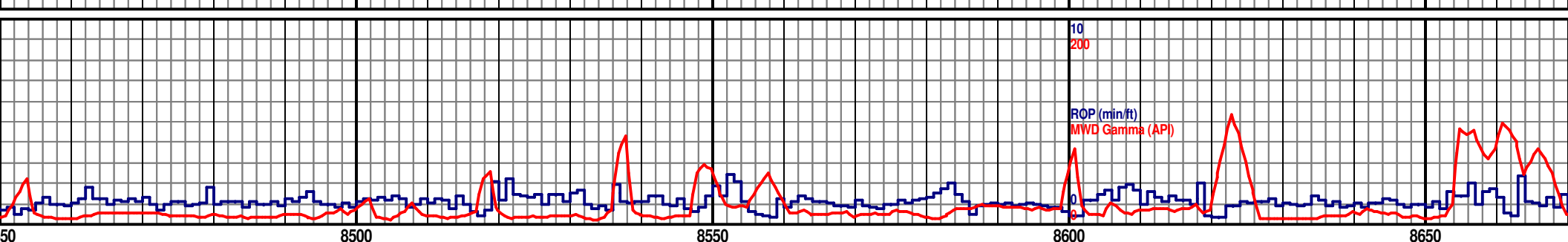
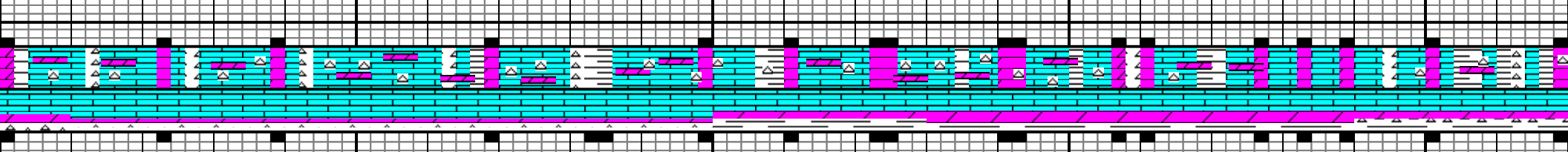
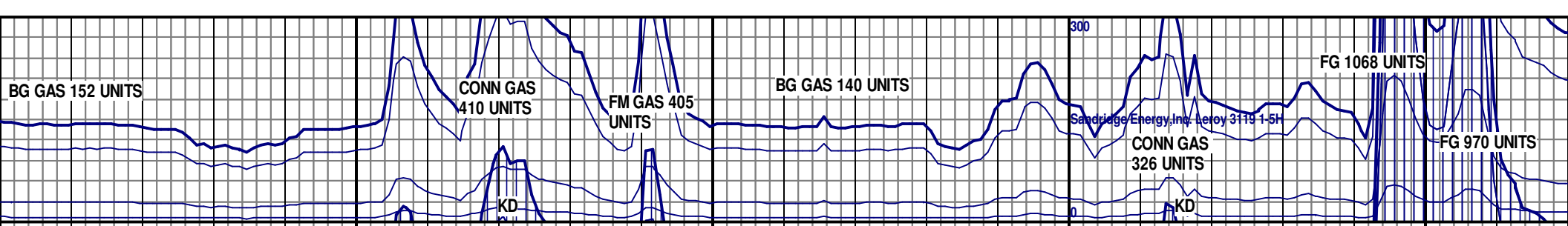
LS: PRED OFF WHT,
XLN, OCC MICRO
CRM, SME LT TN, M
INTERXLN POR, OC
MSTLY SUB ANG- A
BLKY- PLTY, MOD S
RES RNG

MD 8081 TVD 5074.16
Az 1.91° Inc 90.65°

MD 8176 TVD 5074.21
Az 1.82° Inc 89.29°

5110





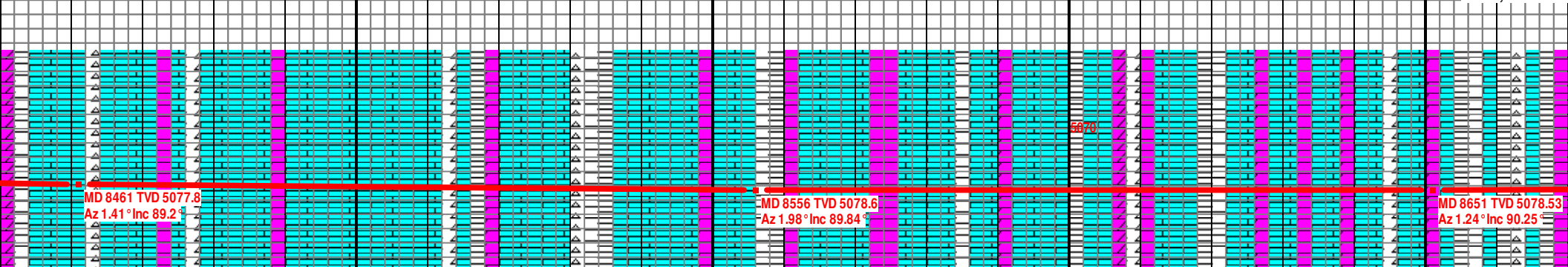
50 8500 8550 8600 8650

MUD WT 8.9
VISC 28

WOB: 15.3K
RPM: 53
SPM: 85
PP: 1790
GPM: 300

LS: PRED OFF WHT-CRM, SME LT TN, MSTLY SUB ANG- SUB RND, MOD FRM-
FRM, MSTLY V FN XLN, OCC MICRO FN XLN, FR INTERXLN POR, OCC VUG
POR, DOL: PRED CRM, MSTLY SUB RND- SUB ANG, MOD FRM, V FN- MICRO
FN XLN, FR- GD INTERXLN POR, OCC HL FRAC POR, CHRT: PRED OPQ- WHT,
MSTLY SUB ANG- ANG, MOD HRD- V HRD, SH: PRED MED GRY, SME WH,
MSTLY SUB RND- BLKY, OCC PLTY, MOD SFT- FRM, PR DULL GLD FLOR, NO
VIS CUT, NO RES RNG

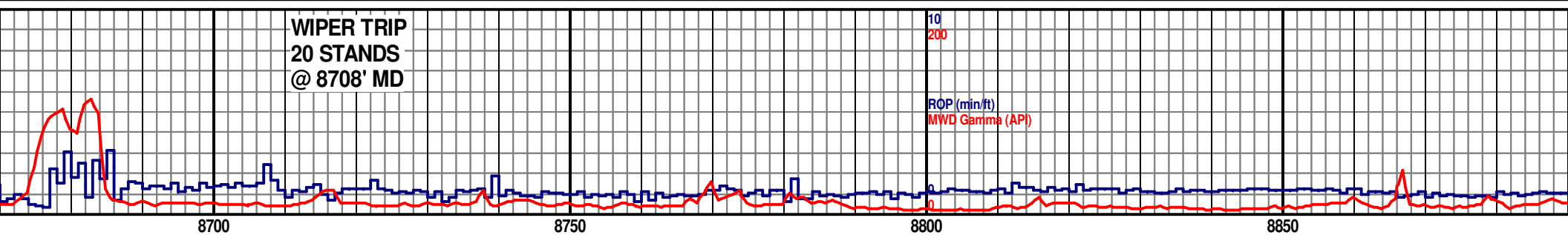
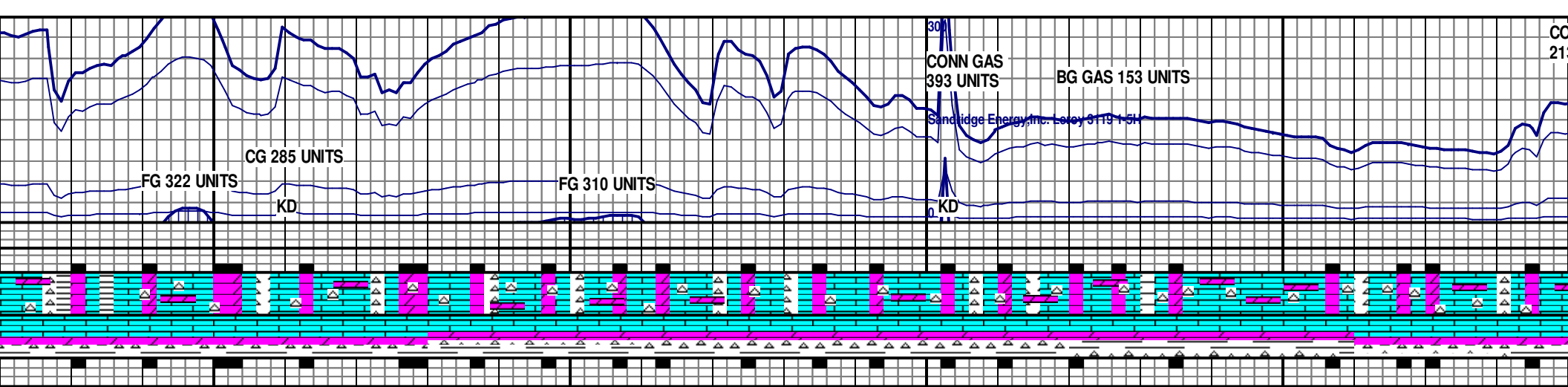
LS: PRED CRM-
GD INTERXLN F
RND- SUB ANG,
OCC VUG POR,
LT GRN, MSTLY
TRNSL, MSTLY
FLOR, NO VIS C



MD 8461 TVD 5077.8
Az 1.41° Inc 89.2°

MD 8556 TVD 5078.6
Az 1.98° Inc 89.84°

MD 8651 TVD 5078.53
Az 1.24° Inc 90.25°

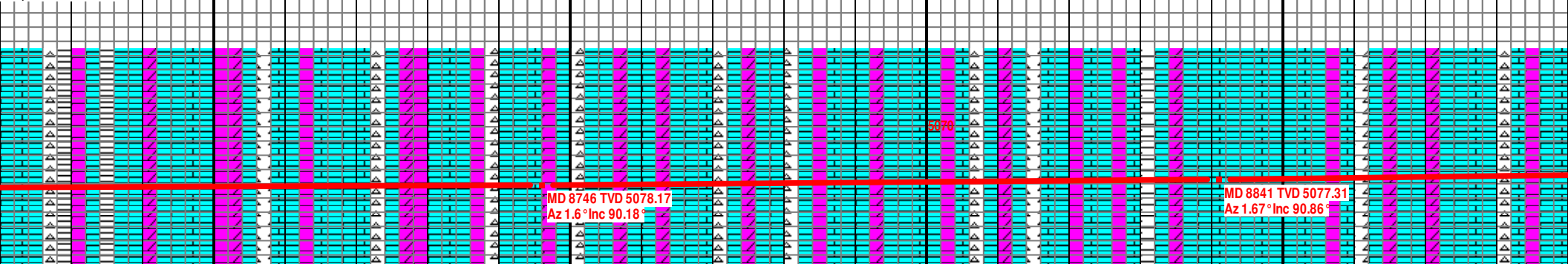


LT TN, MSTLY SUB ANG- SUB RND, MOD FRM- FRM, V FN XLN, MSTLY FR-
POR, OCC HL FRAC POR, GRAN TXT, DOL: PRED OFF WHT- CRM, MSTLY SUB
MOD FRM- HRD, OCC SLI HRD, V FN- MICRO FN XLN, FR INTERXLN POR,
OCC HL FRAC POR, SME SLI DNSE, SH: PRED LT GRY, SME OFF WHT, OCC
SUB ANG- BLKY, OCC PLTY, MOD SFT- FRM, CHRT: PRED OPQ- WHT, OCC
SUB ANG- ANG, OCC SPLNTRY, MOD HRD- V HRD, OCC BRITT, SLI PR LT YEL
CUT, NO RES RNG

WOB: 17.5K
RPM: 53
SPM: 85
PP: 1862
GPM: 282

LS: PRED OFF- LT TN, MSTLY SUB ANG- SUB RND, MOD FRM- FRM, V FN XLN, FR- GD
INTERXLN POR, SME DNS, HL FRAC POR, DOL: PRED OFF WHT- CRM, MSTLY SUB RND-
SUB ANG, MOD FRM- HRD, OCC SFT, V FN- MICRO FN XLN, FR INTERXLN POR, OCC VUG
POR, OCC HL FRAC POR, SH: PRED LT GRY, SME OFF WHT, SME LT GRN, MSTLY SUB
ANG- BLKY, OCC PLTY, MOD SFT- FRM, CHRT: PRED OPQ- WHT, OCC TRNSL, MSTLY SUB
ANG- ANG, OCC SPLNTRY, MOD HRD- V HRD, PR LT YEL FLOR, NO VIS CUT, NO RES RNG

LS: PRE
POR, S
HRD, O
PRED L
CHRT: P
LT YEL



NN GAS
3 UNITS

FM GAS
153 UNITS

CG 114 UNITS

FG 127 UNITS

CG 131 UNITS

300

0

10

200

ROP (min/ft)

MWD Gamma (API)

8900

8950

9000

9050

9100

ED OFF- LT TN, MSTLY SUB ANG- SUB RND, MOD FRM- FRM, V FN XLN, FR- GD INTERXLN
ME DNS, HL FRAC POR, DOL: PRED OFF WHT- CRM, MSTLY SUB RND- SUB ANG, MOD FRM-
CC SFT, V FN- MICRO FN XLN, FR INTERXLN POR, OCC VUG POR, OCC HL FRAC POR, SH:
T GRY, SME OFF WHT, SME LT GRN, MSTLY SUB ANG- BLKY, OCC PLTY, MOD SFT- FRM,
PRED OPQ- WHT, OCC TRNSL, MSTLY SUB ANG- ANG, OCC SPLNTRY, MOD HRD- V HRD, PR
FLOR, NO VIS CUT, NO RES RNG

MD WT 8.9 VISC TVD

27

WOB: 20.0K

RPM: 55

SPM: 85

PP: 1900

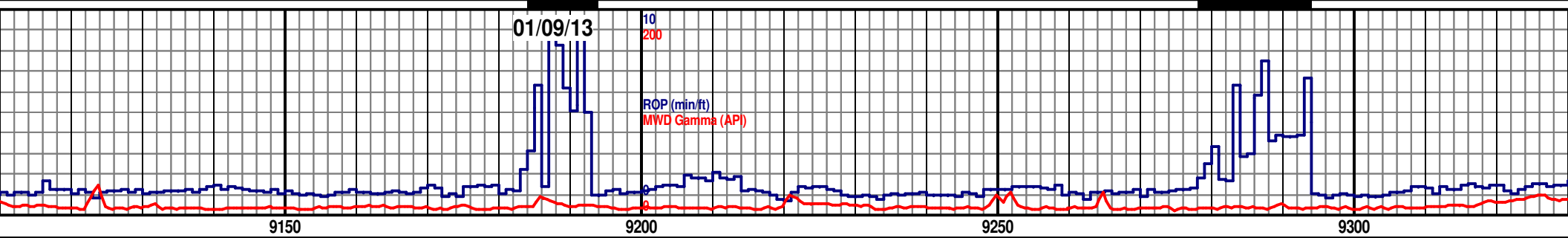
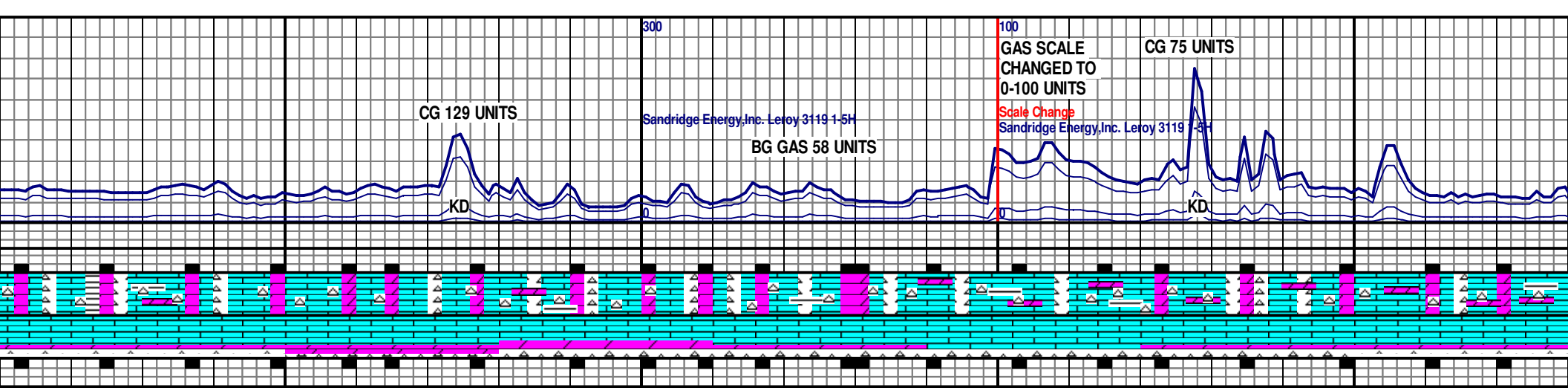
GPM: 300

LS: PRED OFF- LT TN, MSTLY SUB ANG- SUB RND, MOD FRM- FRM, V FN XLN,
FR- GD INTERXLN POR, SME DNS, HL FRAC POR, DOL: PRED OFF WHT- CRM,
MSTLY SUB RND- SUB ANG, MOD FRM- HRD, OCC SFT, V FN- MICRO FN XLN, FR
INTERXLN POR, OCC VUG POR, OCC HL FRAC POR, SH: PRED LT GRY, SME
OFF WHT, SME LT GRN, MSTLY SUB ANG- BLKY, OCC PLTY, MOD SFT- FRM,
CHRT: PRED OPQ- WHT, OCC TRNSL, MSTLY SUB ANG- ANG, OCC SPLNTRY,
MOD HRD- V HRD, PR LT YEL FLOR, NO VIS CUT, NO RES RNG

MD 8936 TVD 5076.1
Az 0.32° Inc 90.59°

MD 9031 TVD 5074.79
Az 359.41° Inc 90.99°

5110

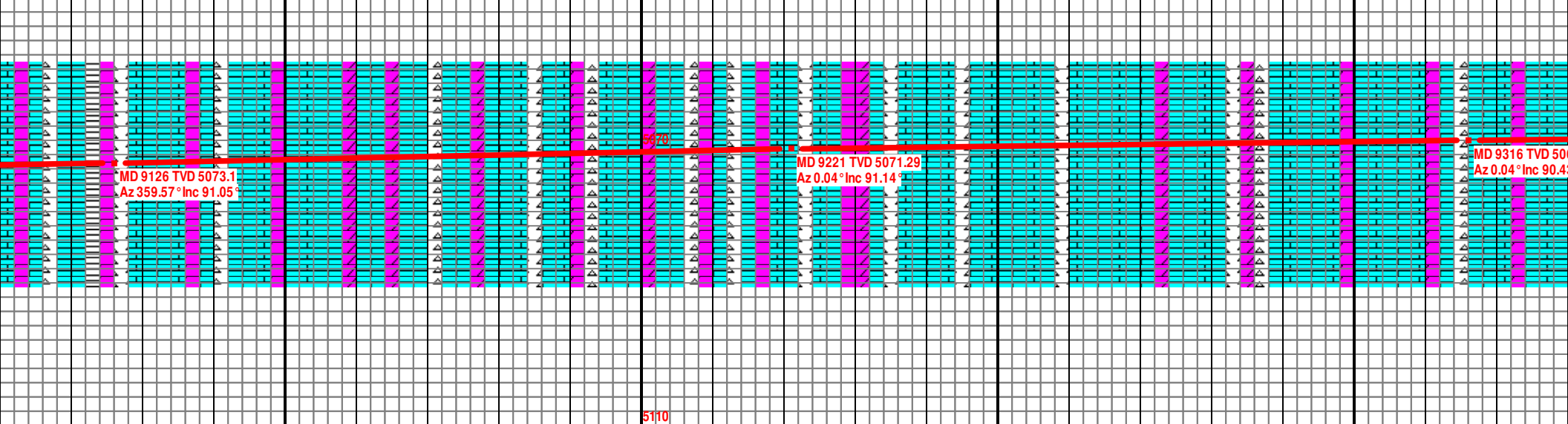


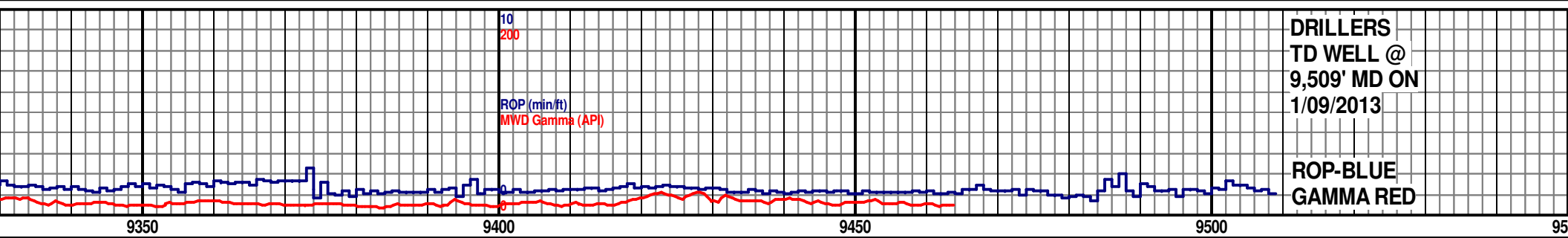
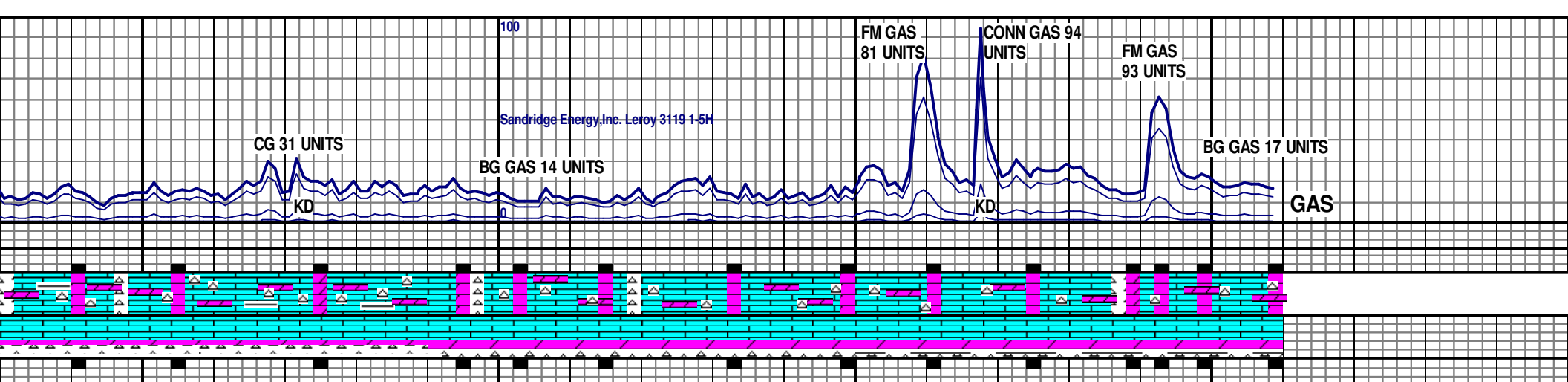
LS: PRED OFF WHT, MSTLY SUB ANG- SUB RND, MOD FRM- FRM, GRAN TXT, V FN- MICRO FN XLN, MSTLY FR INTERXLN POR, OCC HL FRAC POR, DOL: PRED CRM, OCC WHT, MSTLY SUB RND- SUB ANG, MOD FRM- HRD, PRED V FN XLN, FR- GD INTERXLN POR, OCC VUG POR, CHRT: PRED WHT- OPQ, MSTLY SUB ANG- ANG, OCC PLTY, MOD HRD- V HRD, SH: PRED LT GRY- WHT, MSTLY BLKY- PLTY, MOD SFT- FRM, SLI PR LT GLD FLOR, NO VIS CUT, NO RES RNGS

WOB: 15.4K
RPM: 58
SPM: 86
PP: 2047
GPM: 289

LS: PRED OFF WHT- CRM, MSTLY SUB ANG- SUB RND, MOD FRM- FRM, MICRO FN XLN, DOL: PRED LT TN, OCC WHT, MSTLY SUB RND- SUB ANG, MOD FRM, V FN XLN, SLI FR INTERXLN POR, CHRT: PRED OPQ- WHT, SME CLR, OCC TRNSL, MSTLY SUB ANG- ANG, OCC BLKY, MOD HRD- V HRD, SLI PR LT YEL- DULL GLD FLOR, NO VIS CUT, NO RES RNG

LS: PRED OFF WHT- CRM, MSTLY SUB ANG- SUB RND, MOD FRM- FRM, MICRO FN XLN, DOL: PRED LT TN, OCC WHT, MSTLY SUB RND- SUB ANG, MOD FRM, V FN XLN, SLI FR INTERXLN POR, CHRT: PRED OPQ- WHT, SME CLR, OCC TRNSL, MSTLY SUB ANG- ANG, OCC BLKY, MOD HRD- V HRD, SLI PR LT YEL- DULL GLD FLOR, NO VIS CUT, NO RES RNG

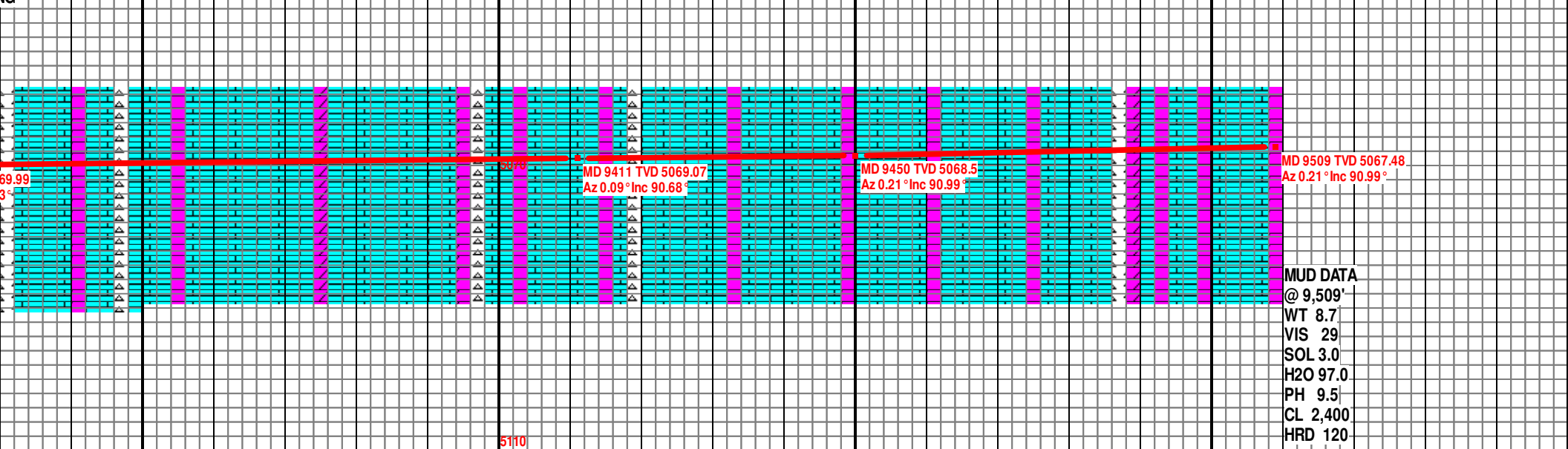


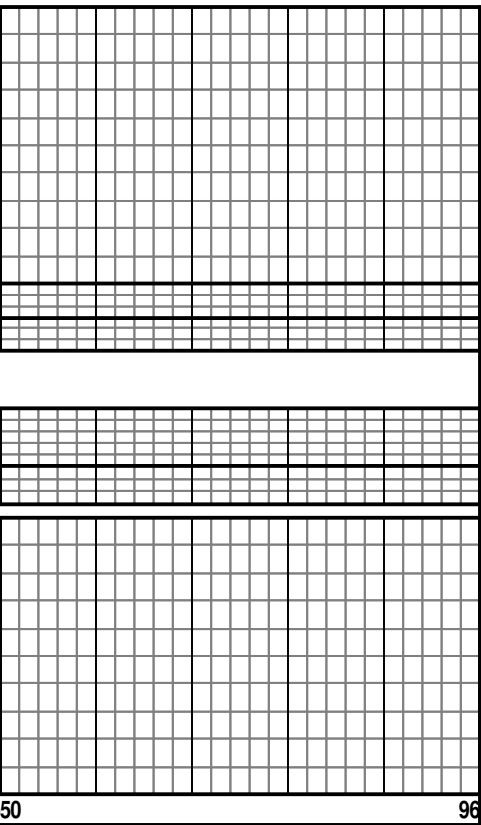


WOB: 9.7K
RPM: 56
SPM: 84
PP: 1810
GPM: 300

MD WT 8.7
VISC 27

LS: PRED OFF WHT- CRM, MSTLY SUB ANG- SUB RND, MOD FRM- FRM, MICRO FN XLN, DOL: PRED LT TN, OCC WHT, MSTLY SUB RND- SUB ANG, MOD FRM, V FN XLN, SLI FR INTERXLN POR, CHRT: PRED OPQ- WHT, SME CLR, OCC TRNSL, MSTLY SUB ANG- ANG, OCC BLKY, MOD HRD- V HRD, SLI PR LT YEL- DULL GLD FLOR, NO VIS CUT, NO RES RNG





50 96

SANDRIDGE ENERGY INC.
LEROY 3119 1-5H
SEC:5-T31S- R19W
COMANCHE CO., KS
API # 15033216230000
GR 2,112' KB 2,132'