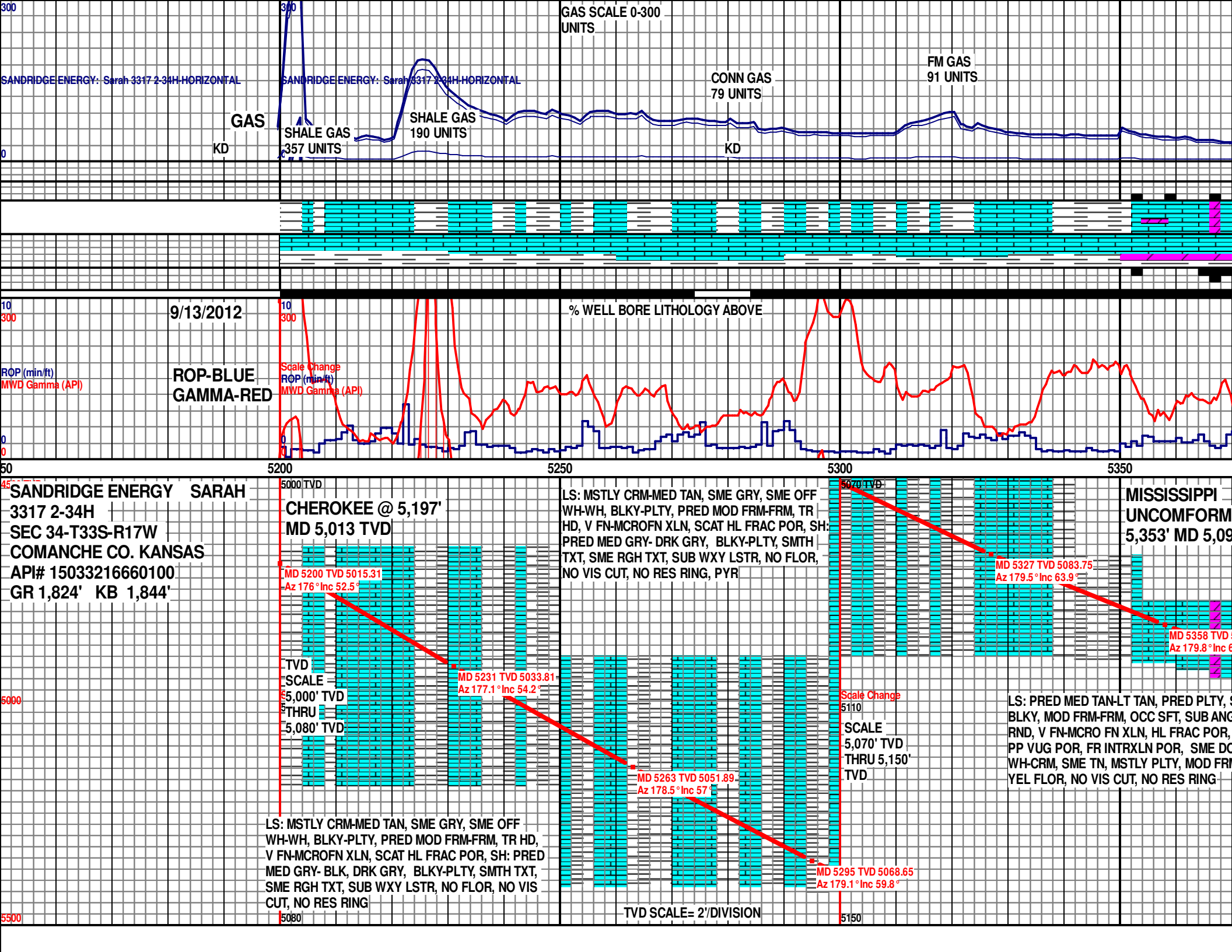
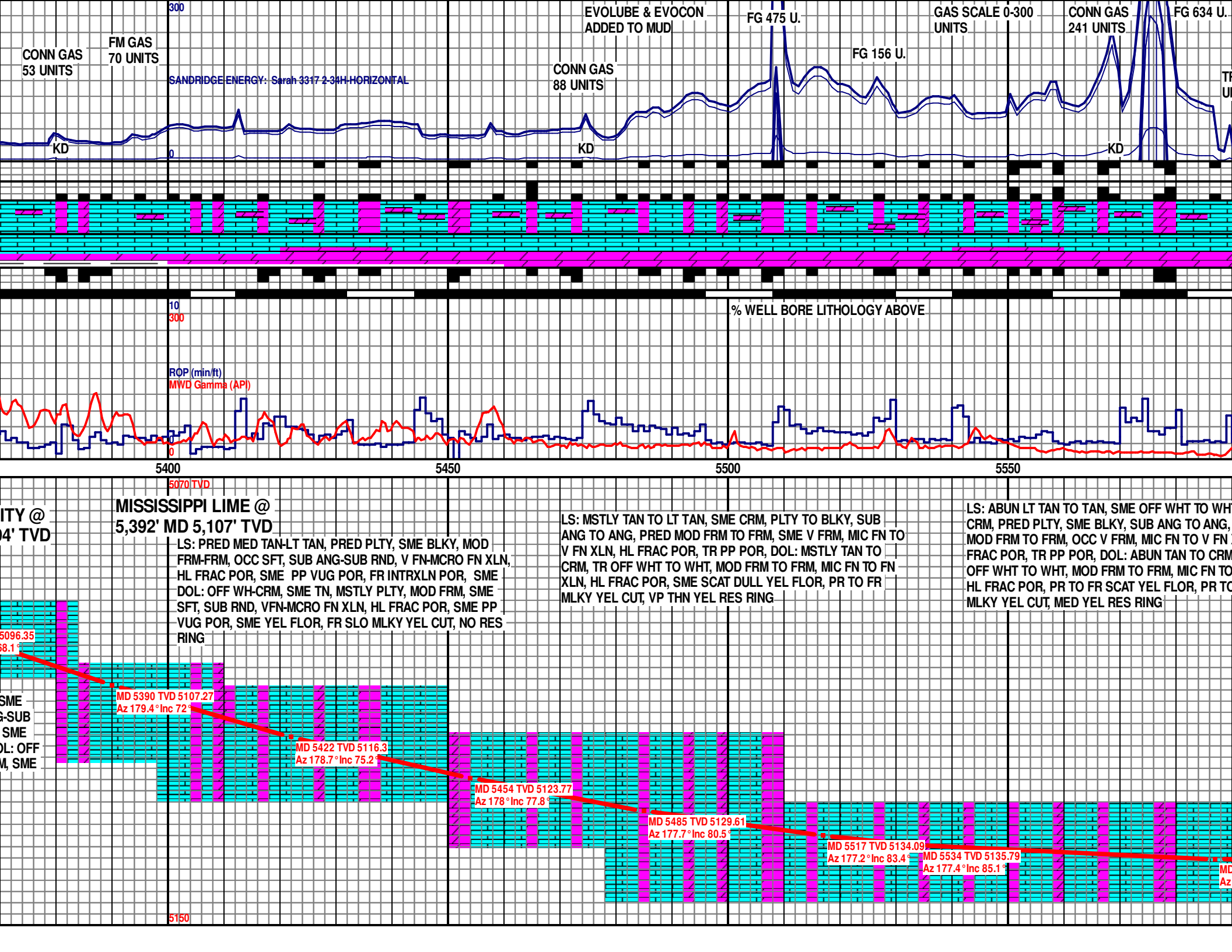
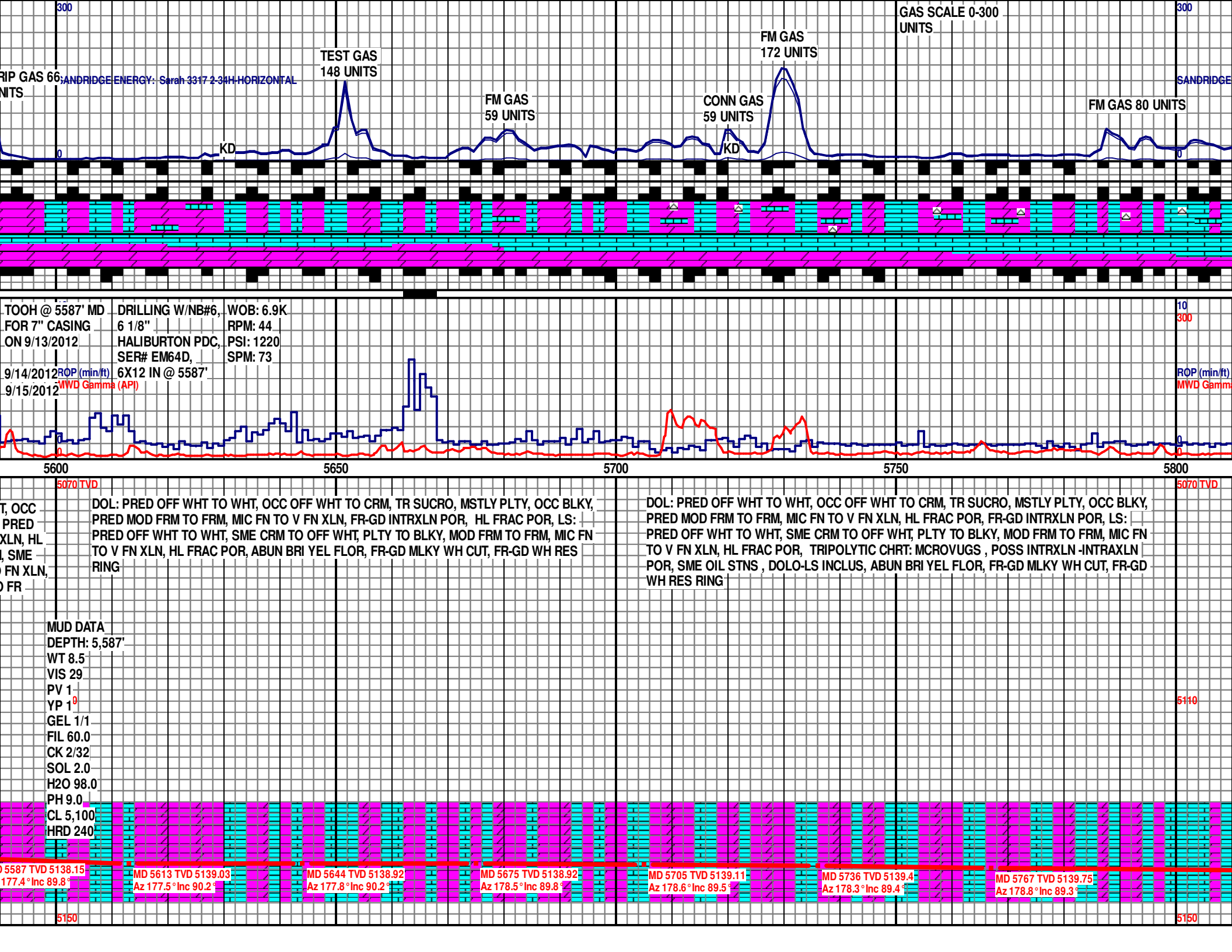
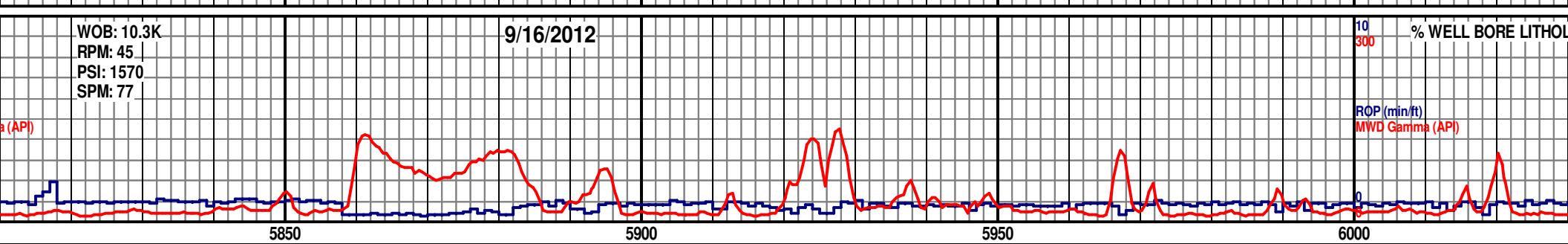
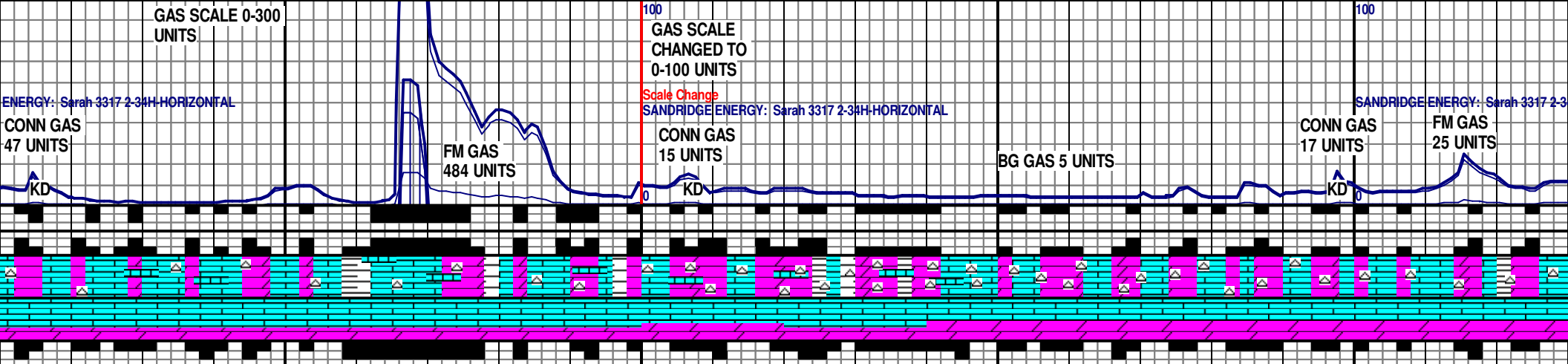










LS: PRED OFF WHT TO WHT, SME CRM TO OFF WHT, PLTY TO BLKY, MOD FRM TO FRM, FN TO V FN XLN, HL FRAC POR, 10% TRIPOLYTIC CHRT: WH-OFF WH, MCROVUGS, POSS INTRXLN -INTRAXLN POR, OIL STNS, DOLO-LS INCLUS, 10% WXY BLU-GRY SH, SME DOL: OFF WH, MSTLY PLTY, OCC BLKY, PRED MOD FRM TO FRM, MIC FN TO V FN XLN, HL FRAC POR, GD INTRXLN POR ABUN BRI YEL FLOR, FR-GD MLKY WH CUT, FR-GD WH/PALE GR RES RING

LS: PRED OFF WHT TO WHT, SME CRM TO OFF WHT, PLTY TO BLKY, MOD FRM TO FRM, MIC FN TO V FN XLN, HL FRAC POR, DOL: PRED OFF WHT TO WHT, SME CRM, SME SUCRO, MSTLY PLTY, OCC BLKY, PRED MOD FRM TO FRM, MIC FN TO V FN XLN, HL FRAC POR, FR-GD INTRXLN POR, 10% TRIPOLYTIC CHRT: WH-OFF WH, SME GRY, MCROVUGS, POSS INTRXLN -INTRAXLN POR, OIL STNS, DOLO-LS INCLUS, 10% WXY BLU-GRY SH, ABUN BRI YEL FLOR, FR-GD MLKY WH CUT, FR-GD WH RES RING

5090 TVD DOL: PRED OFF WHT TO WHT, SME CRM, PRED MOD FRM TO FRM, MIC FN TO V FN XLN, HL FRAC POR, LS: PRED OFF WHT TO WHT, SME CRM, PRED MOD FRM TO FRM, MIC FN TO V FN XLN, HL FRAC POR, FR-GD INTRXLN POR ABUN BRI YEL FLOR, FR-GD MLKY WH CUT, FR-GD WH RES RING

Scale Change

5130

MD 5857 TVD 5140.7

Az 177.6° Inc 89.5°

SCALE 5,090' TVD
THRU 5,170' TVD

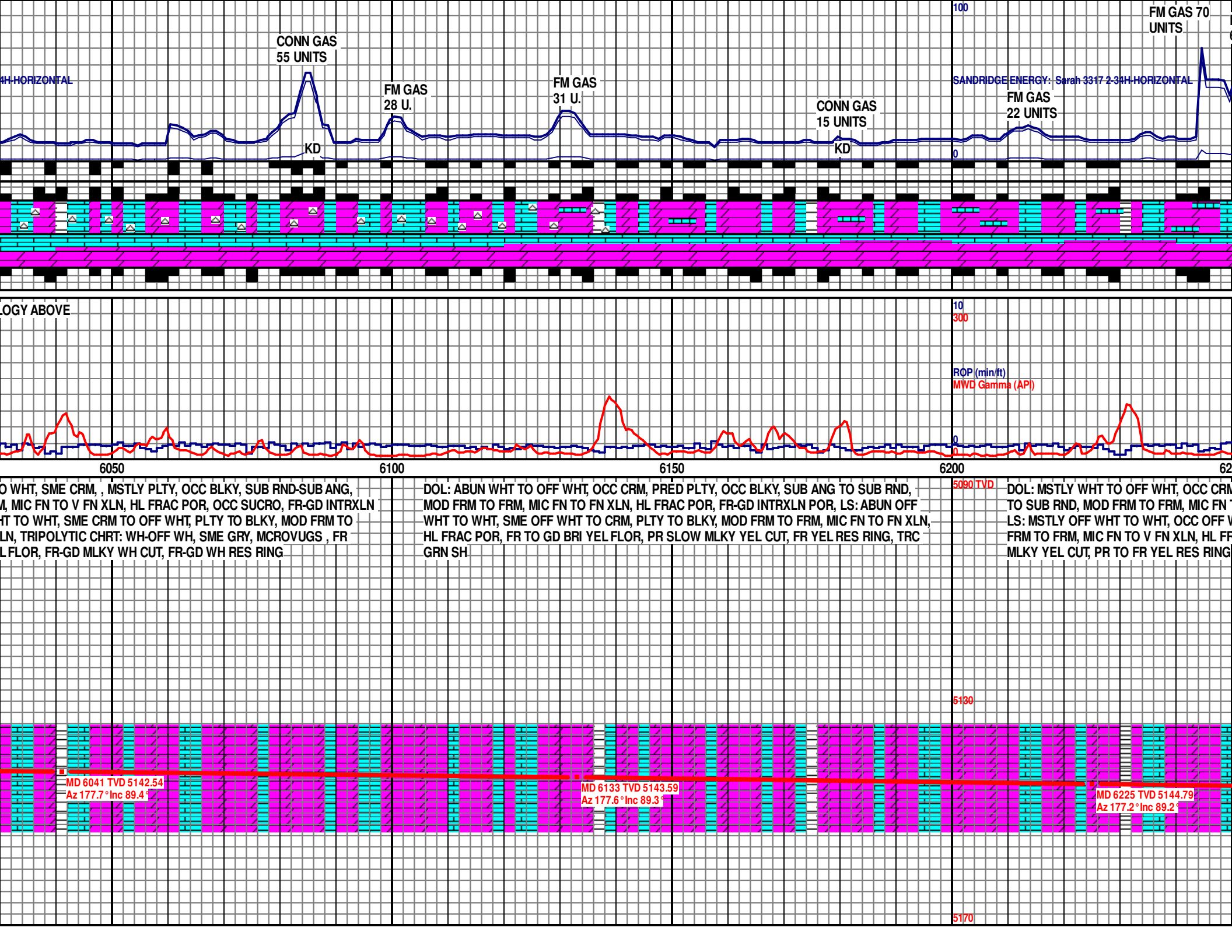
5170

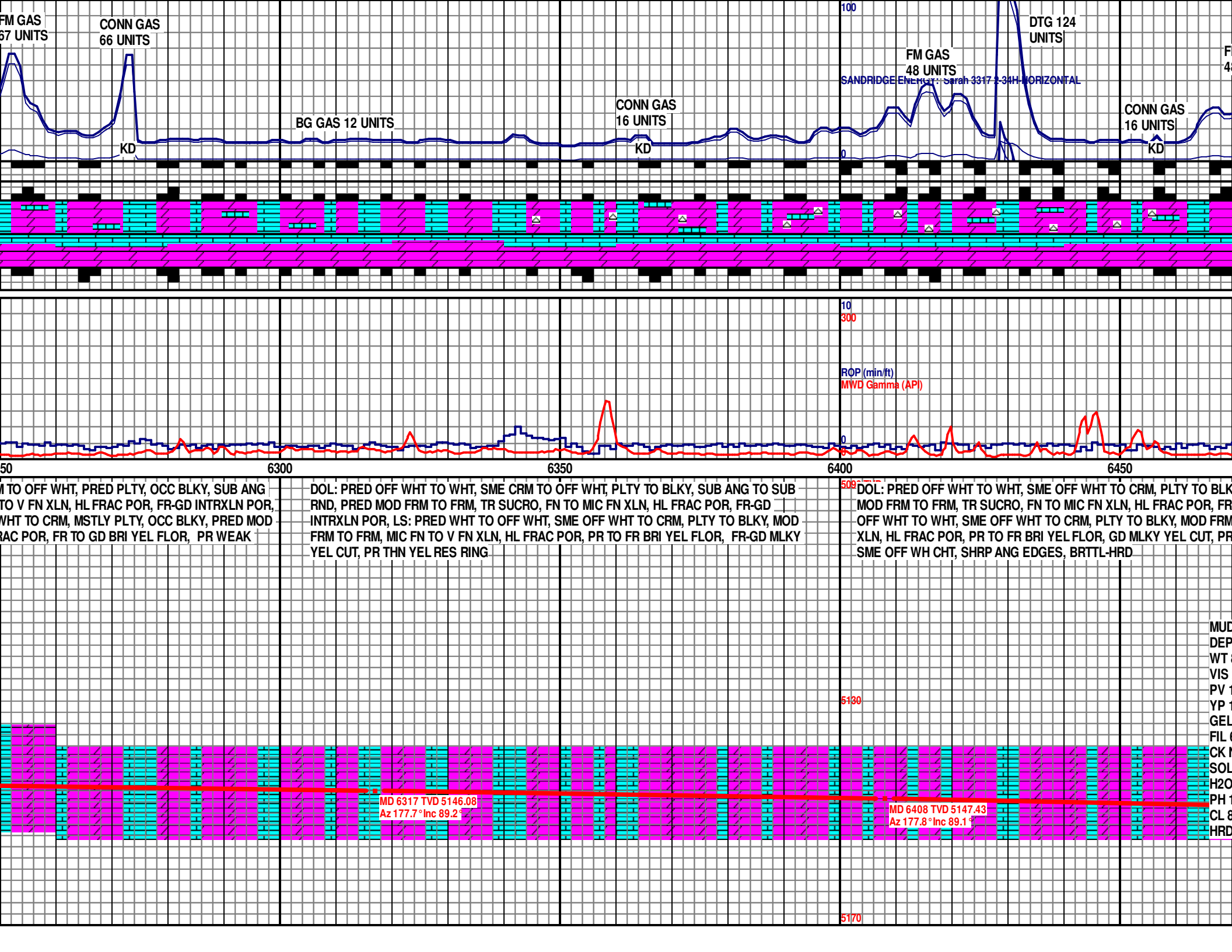
MD 5949 TVD 5141.58

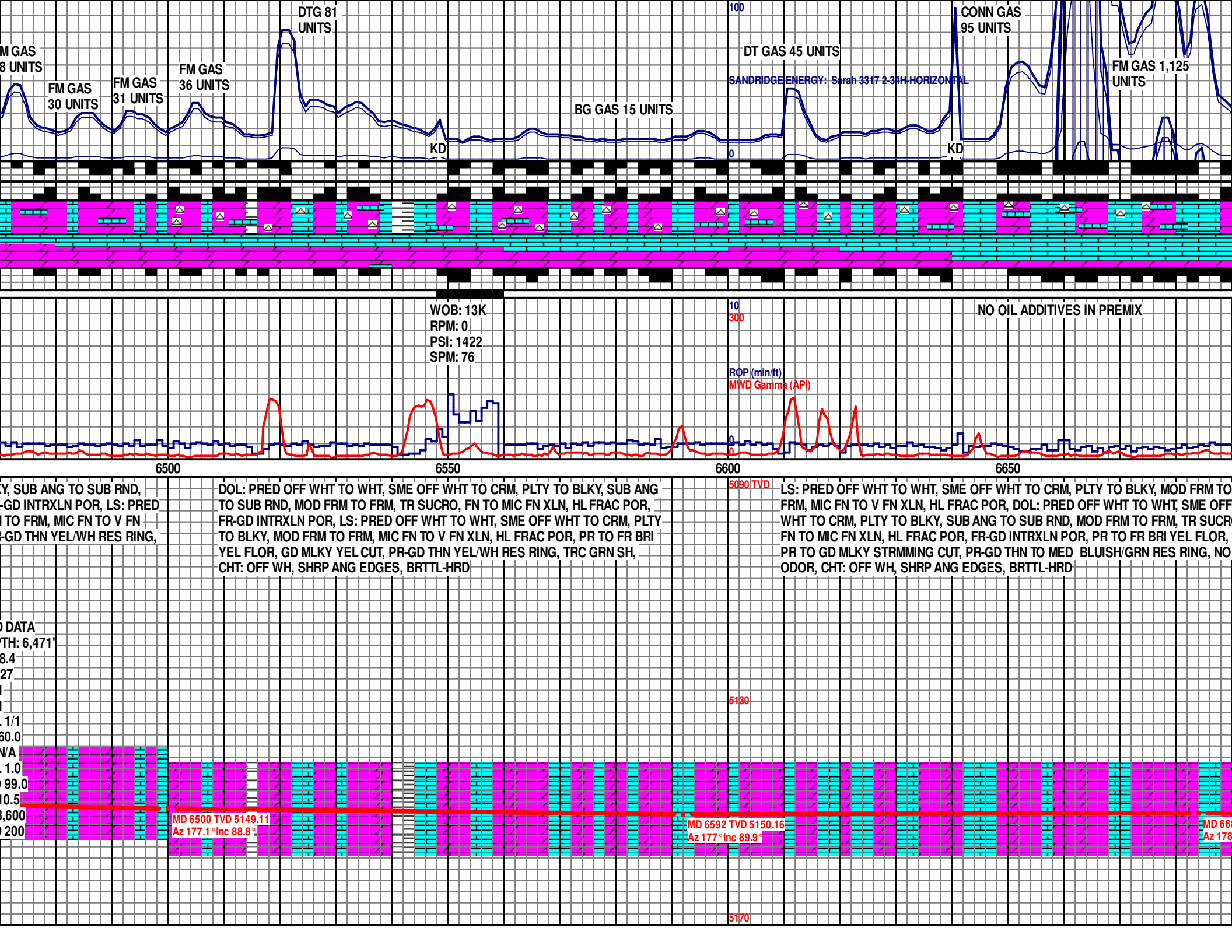
Az 178.8° Inc 89.4°

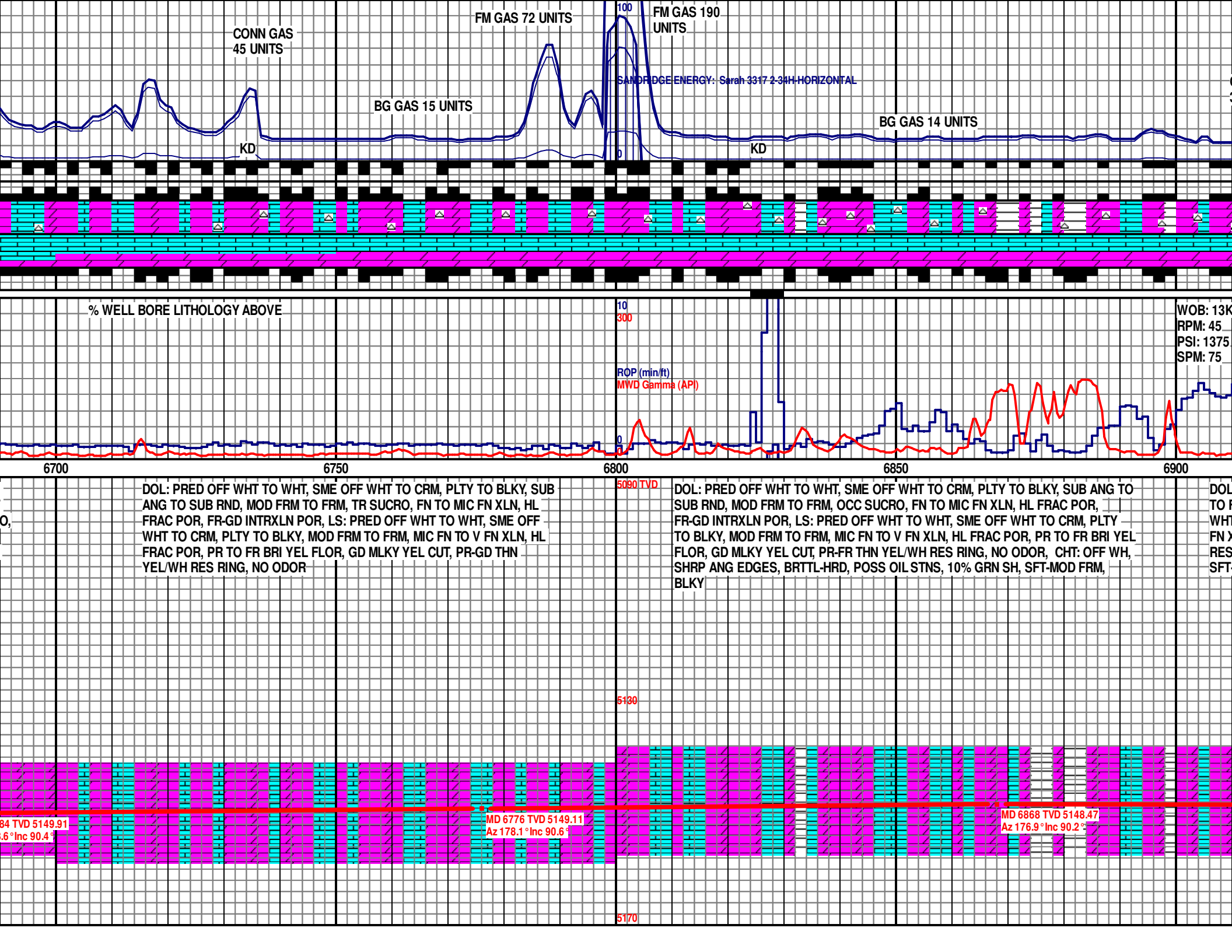
5130

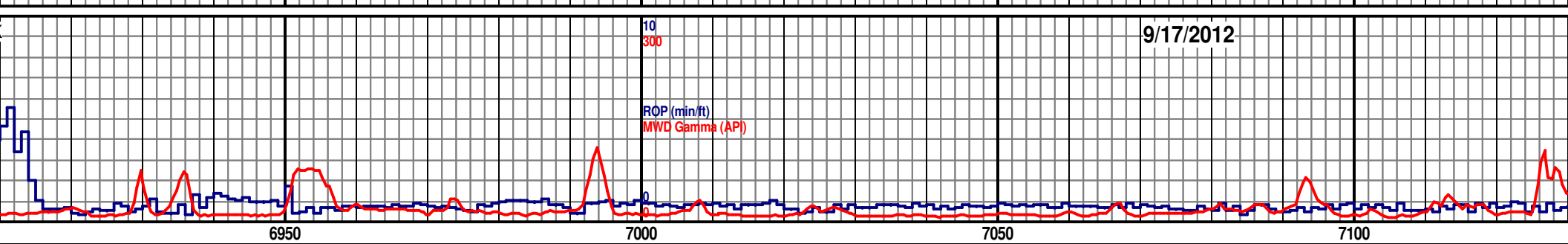
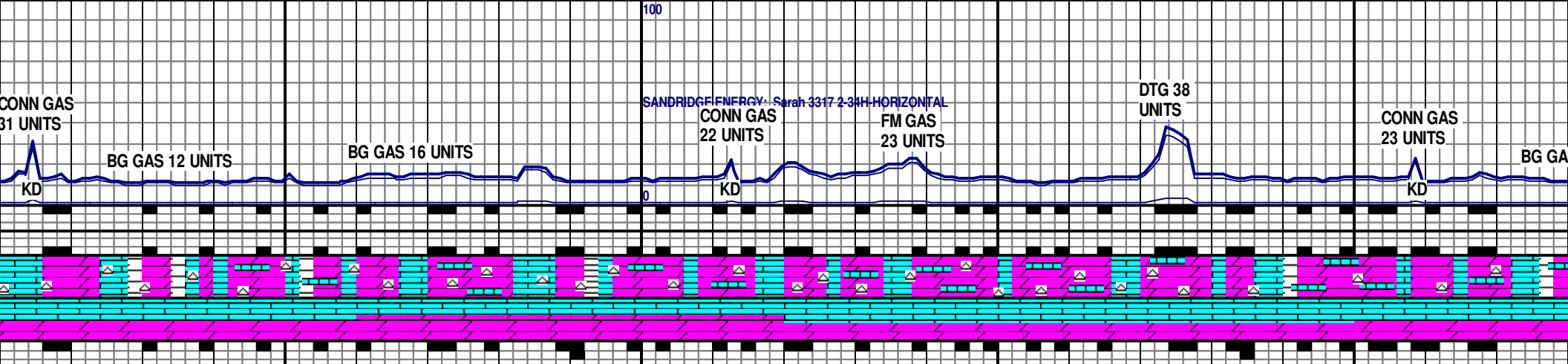
5170







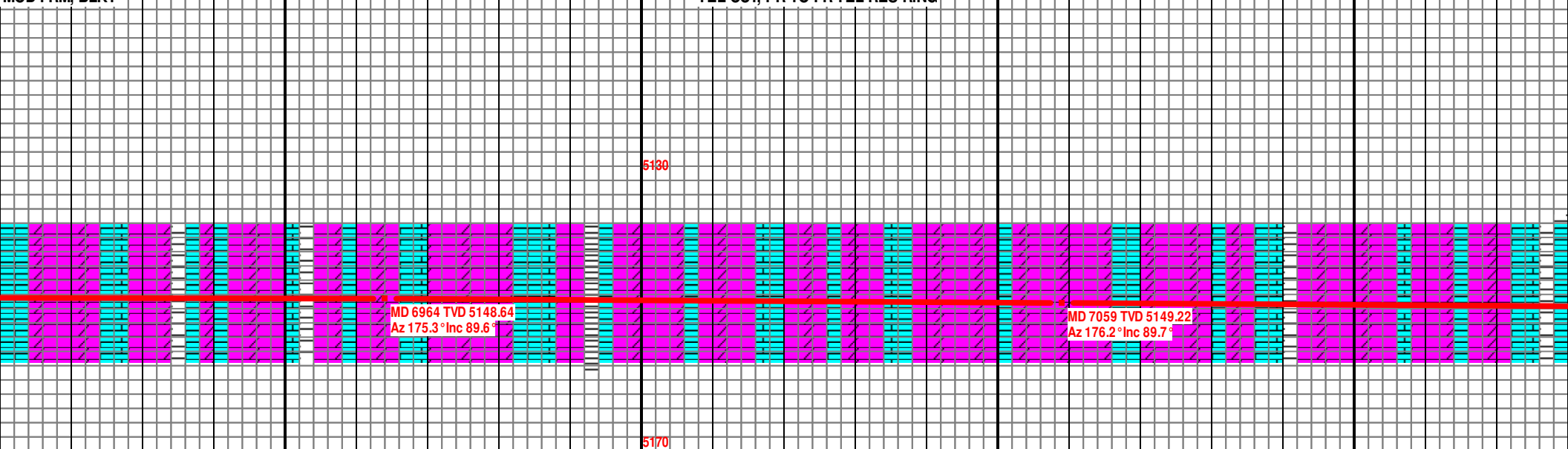


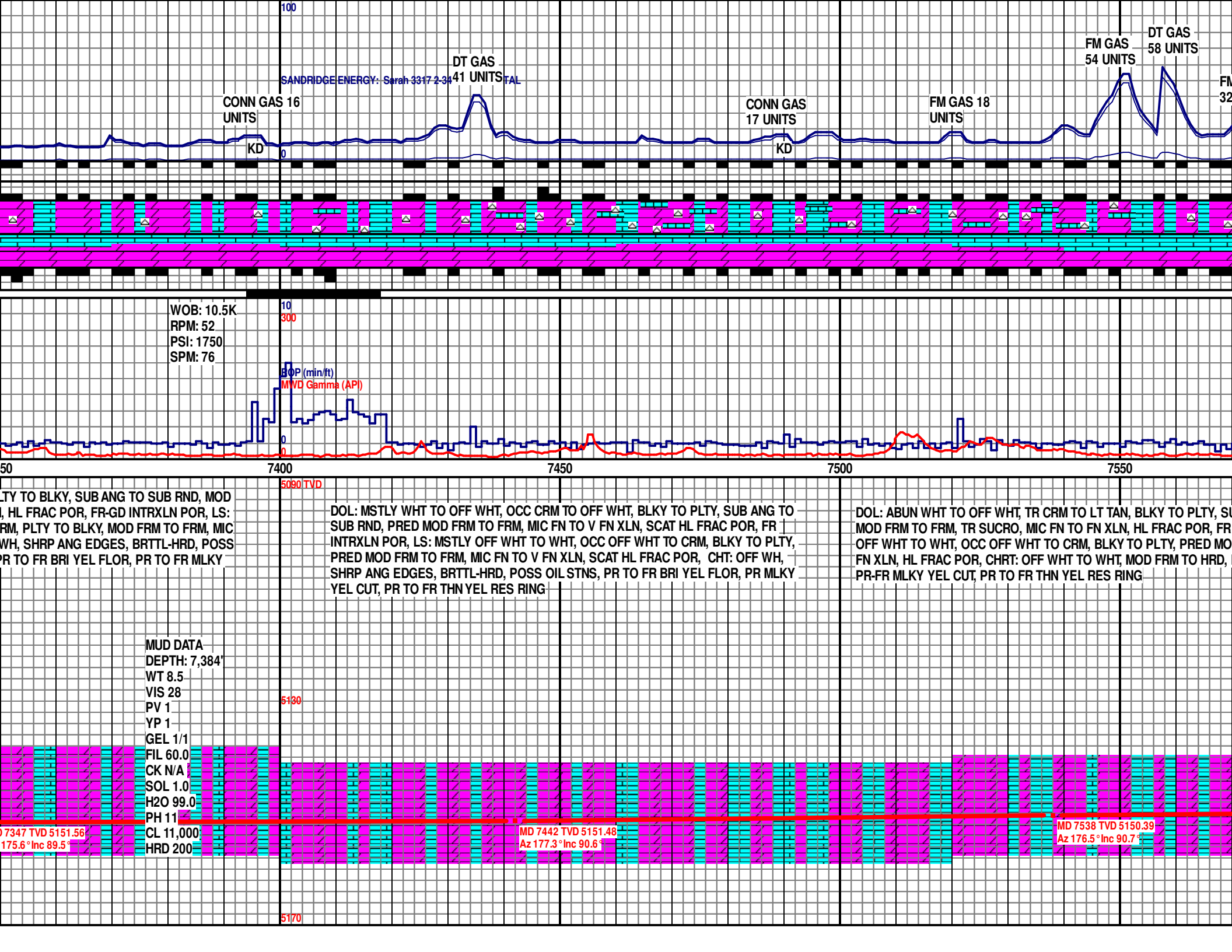


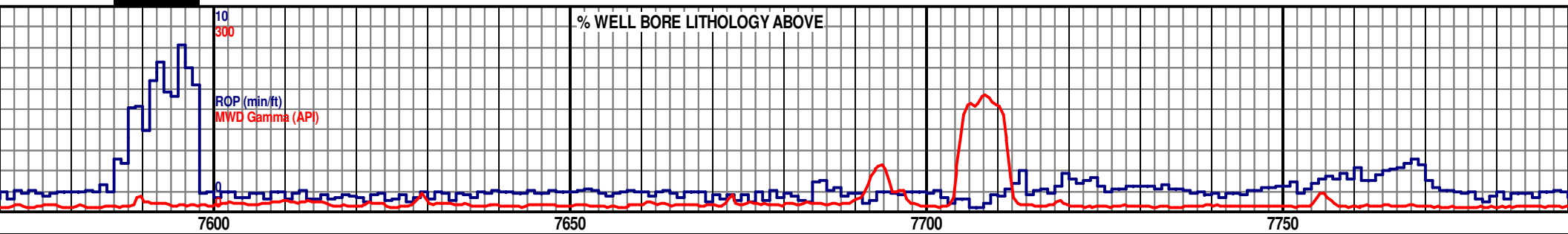
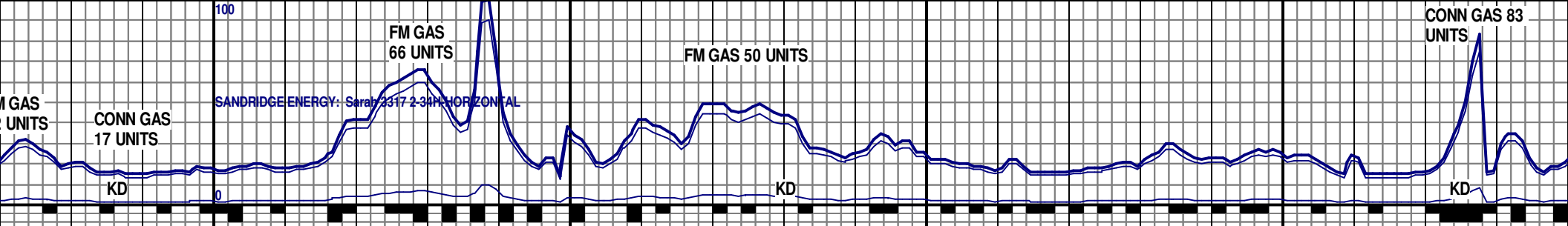
: ABUN WHT TO OFF WHT, OCC OFF WHT TO CRM, MSTLY PLTY, SME BLKY, MOD FRM
 FRM, TR SUCRO, MIC FN TO FN XLN, HL FRAC POR, FR-GD INTRXLN POR, LS: ABUN
 T TO OFF WHT, OCC OFF WHT TO CRM, PLTY TO BLKY, MOD FRM TO FRM, MIC FN TO
 XLN, HL FRAC POR, PR TO FR BRI YEL FLOR, PR TO FR MLKY YEL CUT, PR TO FR YEL
 RING, CHT: OFF WH, SHRP ANG EDGES, BRTTL-HRD, POSS OIL STNS, 10% GRN SH,
 -MOD FRM, BLKY

DOL: PRED OFF WHT TO WHT, TR OFF WHT TO CRM, PLTY TO BLKY, SUB ANG TO SUB
 RND, MOD FRM TO FRM, TR SUCRO, FN TO MIC FN XLN, HL FRAC POR, FR-GD INTRXLN
 POR, LS: PRED OFF WHT TO WHT, TR OFF WHT TO CRM, PLTY TO BLKY, MOD FRM TO
 FRM, MIC FN TO V FN XLN, HL FRAC POR, CHT: OFF WH, SHRP ANG EDGES, BRTTL-HRD,
 POSS OIL STNS, SH, GRN, SFT-MOD FRM, BLKY, PR TO FR BRI YEL FLOR, PR TO FR MLKY
 YEL CUT, PR TO FR YEL RES RING

DOL: PRED OFF WHT TO WHT, TR OFF WHT TO CRM, PLTY TO BLKY, SUB ANG TO SUB
 RND, MOD FRM TO FRM, TR SUCRO, FN TO MIC FN XLN, HL FRAC POR, FR-GD INTRXLN
 POR, LS: PRED OFF WHT TO WHT, TR OFF WHT TO CRM, PLTY TO BLKY, MOD FRM TO
 FRM, MIC FN TO V FN XLN, HL FRAC POR, CHT: OFF WH, SHRP ANG EDGES, BRTTL-HRD,
 POSS OIL STNS, SH, GRN, SFT-MOD FRM, BLKY, PR TO FR BRI YEL FLOR, PR TO FR MLKY
 YEL CUT, PR TO FR YEL RES RING



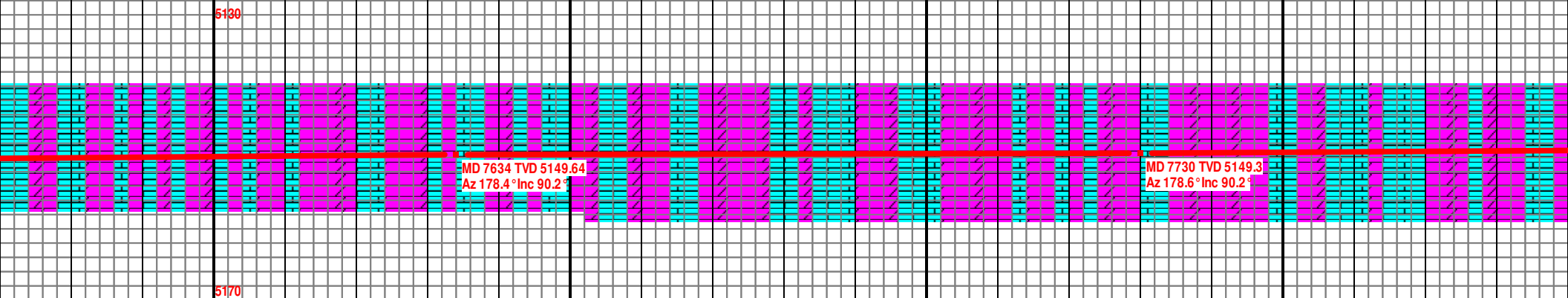


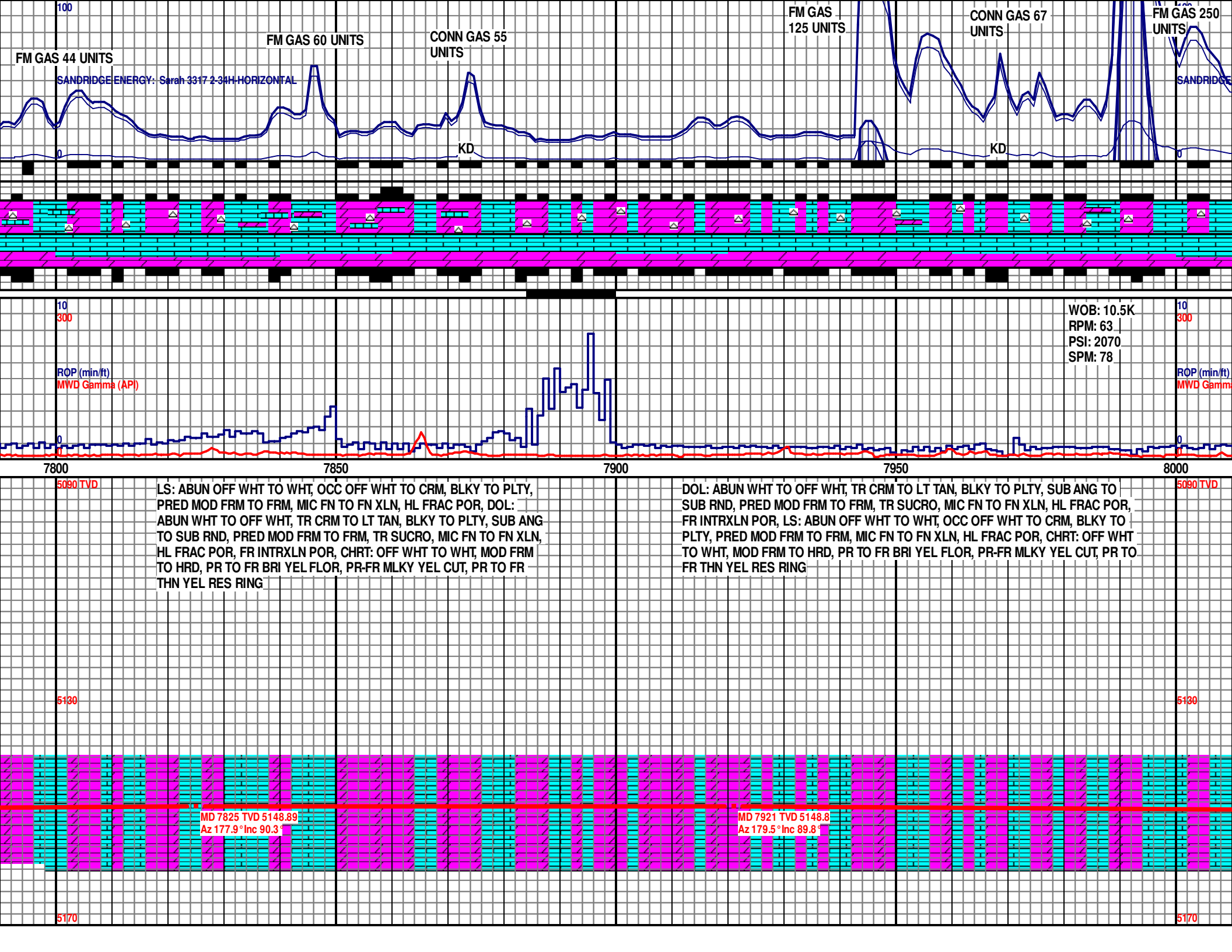


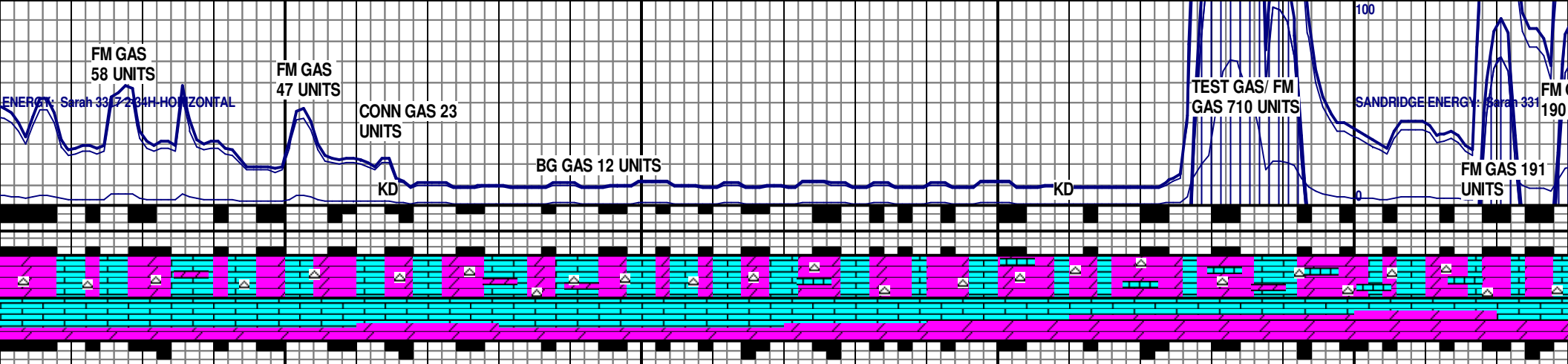
JB ANG TO SUB RND, PRED INTRXLN POR, LS: ABUN D FRM TO FRM, MIC FN TO PPR TO FR BRI YEL FLOR,

DOL: ABUN WHT TO OFF WHT, TR CRM TO LT TAN, BLKY TO PLTY, SUB ANG TO SUB RND, PRED MOD FRM TO FRM, TR SUCRO, MIC FN TO FN XLN, HL FRAC POR, FR INTRXLN POR, LS: ABUN OFF WHT TO WHT, OCC OFF WHT TO CRM, BLKY TO PLTY, PRED MOD FRM TO FRM, MIC FN TO FN XLN, HL FRAC POR, CHRT: OFF WHT TO WHT, MOD FRM TO HRD, PR TO FR BRI YEL FLOR, PR-FR MLKY YEL CUT, PR TO FR THN YEL RES RING

LS: ABUN OFF WHT TO WHT, OCC OFF WHT TO CRM, BLKY TO PLTY, PRED MOD FRM TO FRM, MIC FN TO FN XLN, HL FRAC POR, DOL: ABUN WHT TO OFF WHT, TR CRM TO LT TAN, BLKY TO PLTY, SUB ANG TO SUB RND, PRED MOD FRM TO FRM, TR SUCRO, MIC FN TO FN XLN, HL FRAC POR, FR INTRXLN POR, CHT: OFF WH, SHRP ANG EDGES, BRTTL-HRD, POSS OIL STNS, TRC GRN SH, SFT-MOD FRM, BLKY, PR TO FR BRI YEL FLOR, PR-FR MLKY YEL CUT, PR TO FR THN YEL RES RING







9/18/2012

% WELL BORE LITHOLOGY ABOVE

API

10
300

ROP (min/ft)
MWD Gamma (API)

8050

8100

8150

8200

LS: ABUN OFF WHT TO WHT, OCC OFF WHT TO CRM, BLKY TO PLTY, PRED MOD FRM TO FRM, MIC FN TO FN XLN, HL FRAC POR, DOL: ABUN WHT TO OFF WHT, TR CRM TO LT TAN, BLKY TO PLTY, SUB ANG TO SUB RND, PRED MOD FRM TO FRM, TR SUCRO, MIC FN TO FN XLN, HL FRAC POR, FR INTRXLN POR, CHRT: OFF WHT TO WHT, MOD FRM TO HRD, PR TO FR BRI YEL FLOR, FR MILKY YEL CUT, FR MED YEL RES RING

DOL: PRED OFF WHT TO WHT, TR CRM, PLTY TO BLKY, SUB ANG TO SUB RND, MOD FRM TO FRM, TR SUCRO, MIC FN TO V FN XLN, SCAT HL FRAC POR, FR TO GD INTRXLN POR, LS: PRED WHT TO OFF WHT, SME OFF WHT TO CRM, BLKY TO PLTY, PRED MOD FRM TO FRM, MIC FN TO V FN XLN, SCAT HL FRAC POR, PR TO FR BRI YEL FLOR, FR TO GD BRI MLKY YEL FLASH CUT, FR TO GD MED TO THK YEL RES RING

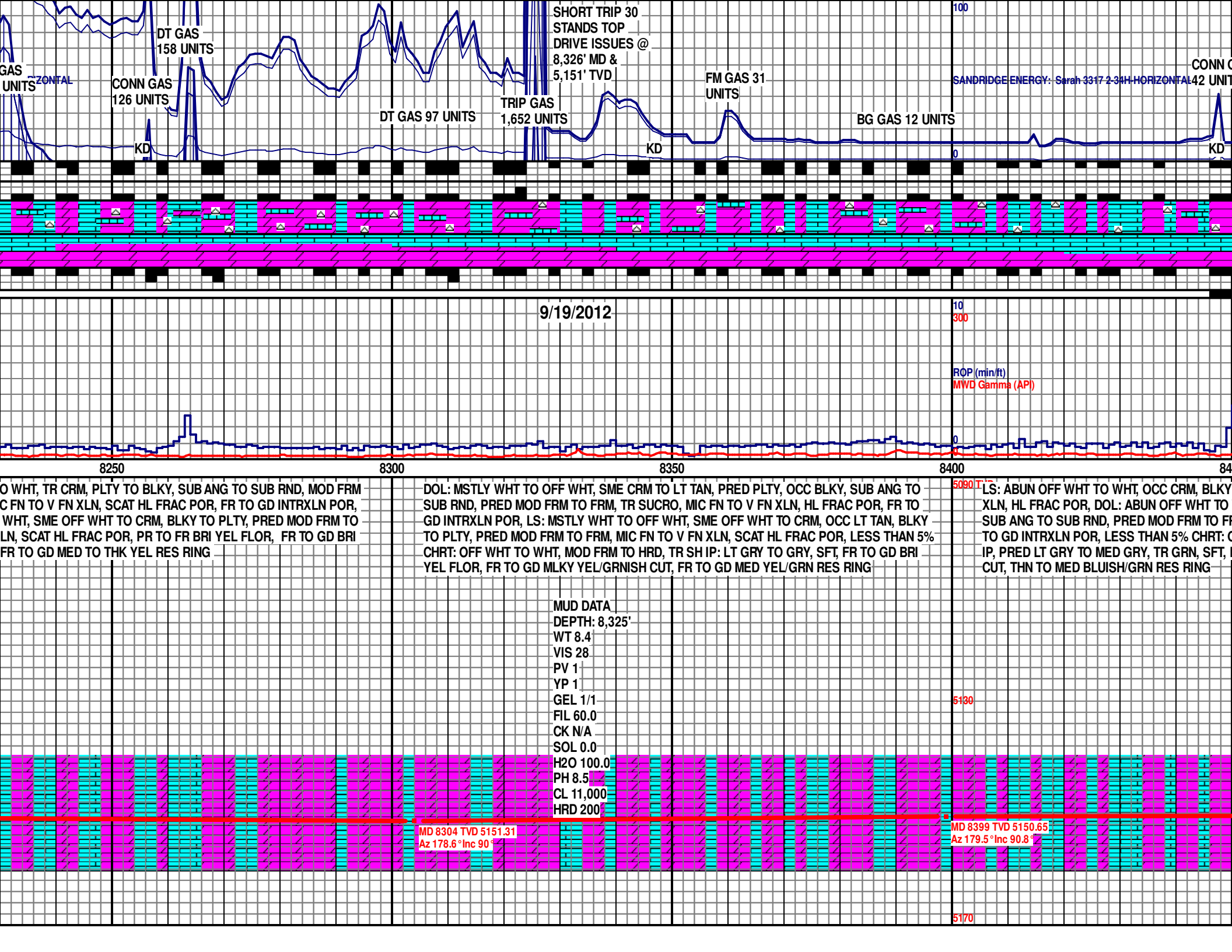
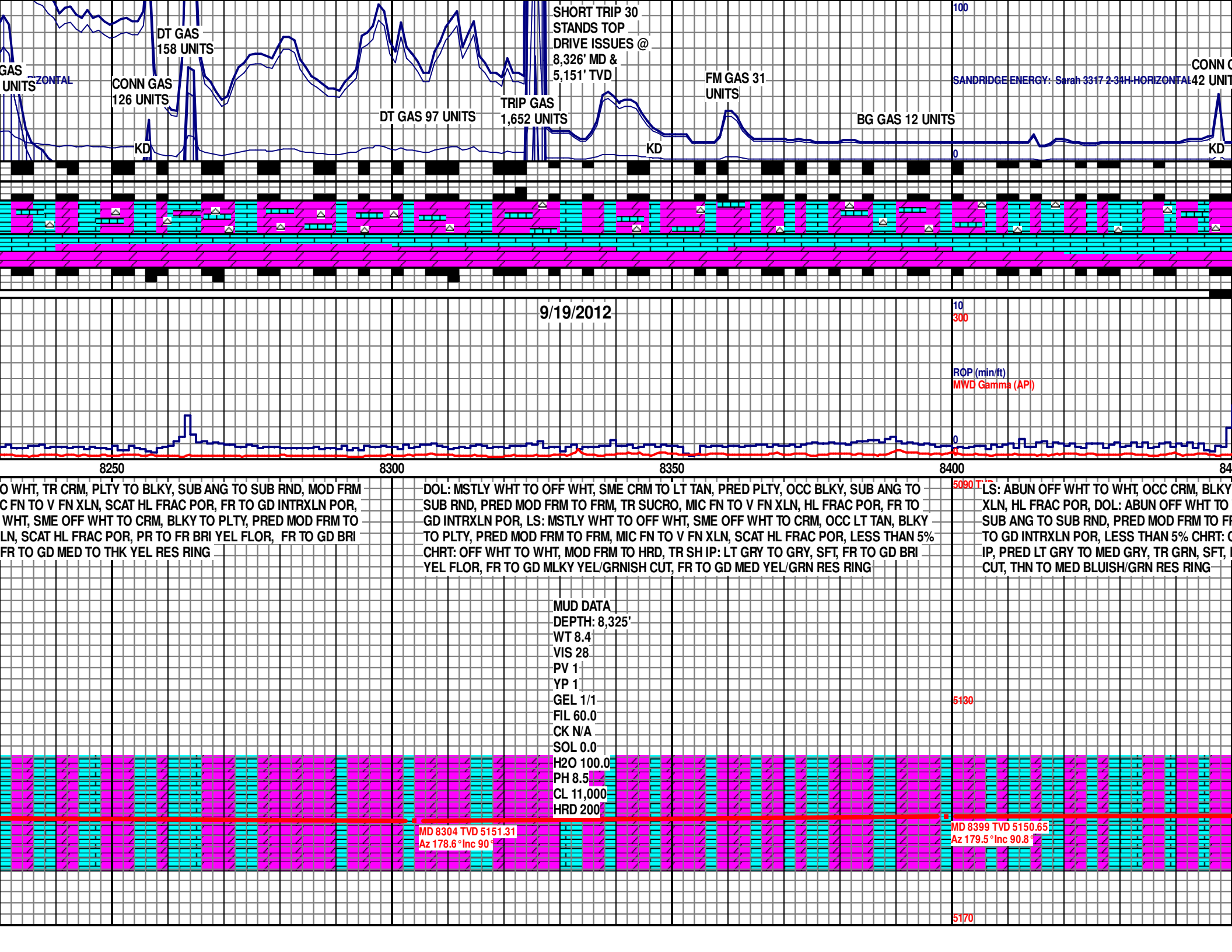
5090 TVF DOL: PRED OFF WHT TO FRM, TR SUCRO, MIC FN TO V FN XLN, SCAT HL FRAC POR, PR TO FR BRI YEL FLOR, FR TO GD BRI MLKY YEL FLASH CUT, FR TO GD MED TO THK YEL RES RING

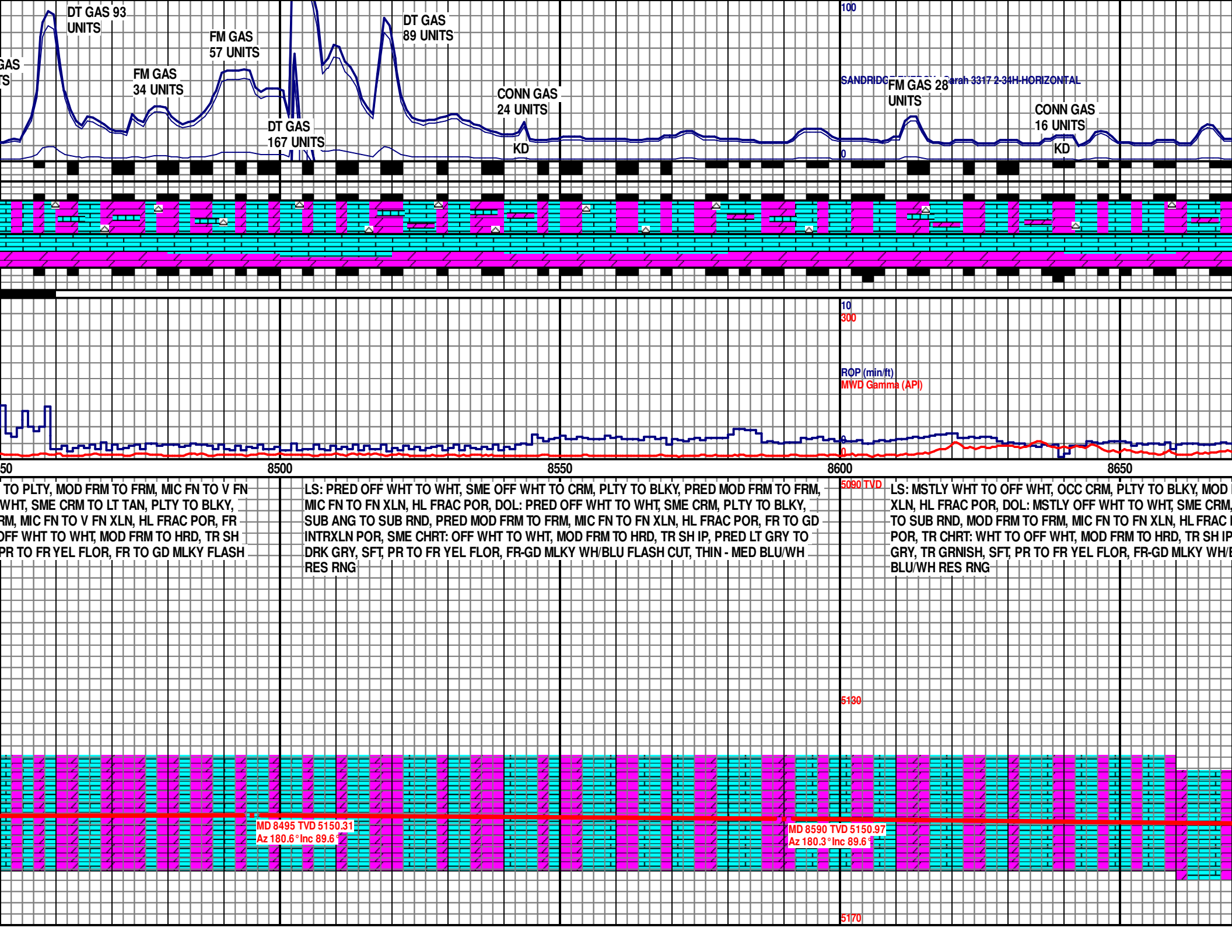
MD 8017 TVD 5149.47
Az 179.1° Inc 89.4°

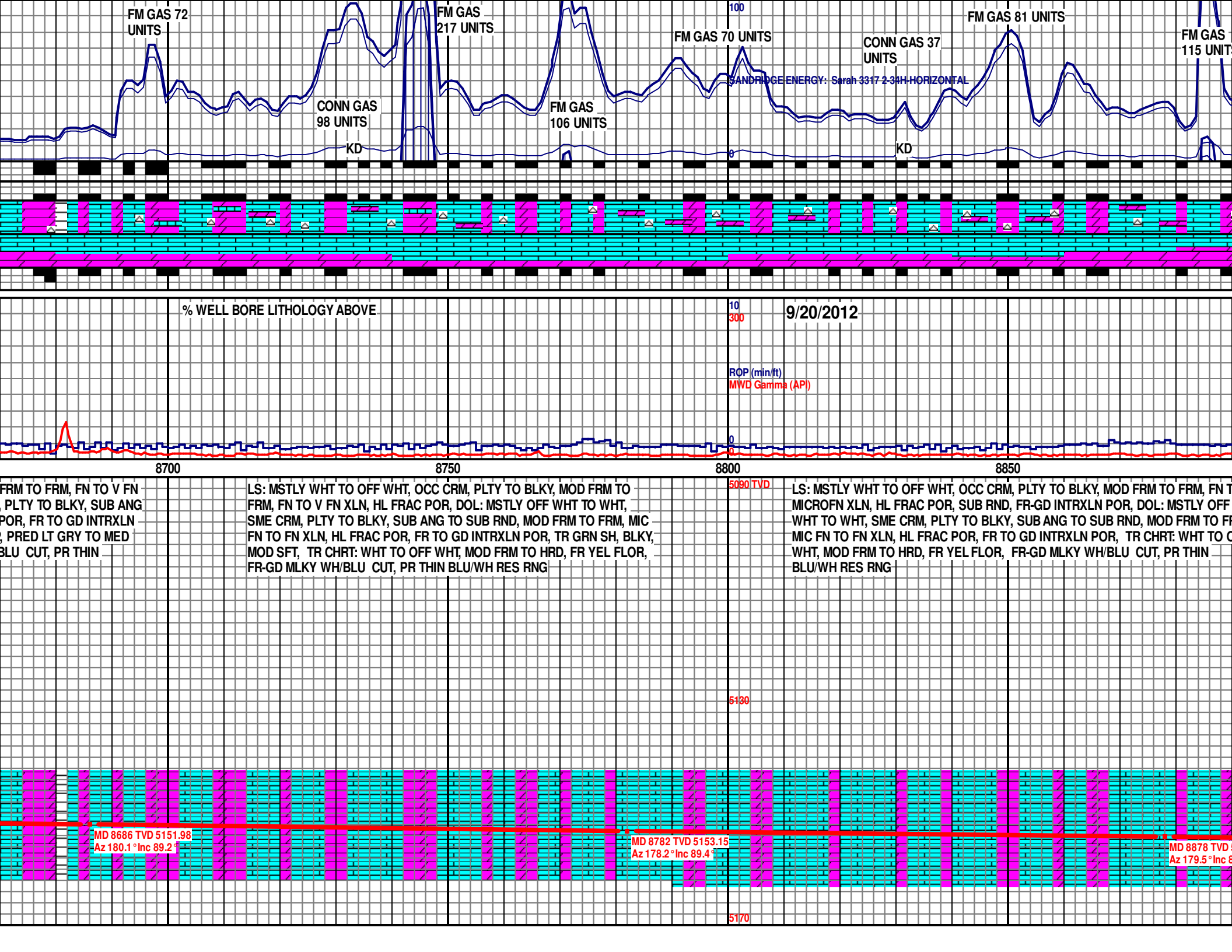
MD 8112 TVD 5150.22
Az 179.7° Inc 89.7°

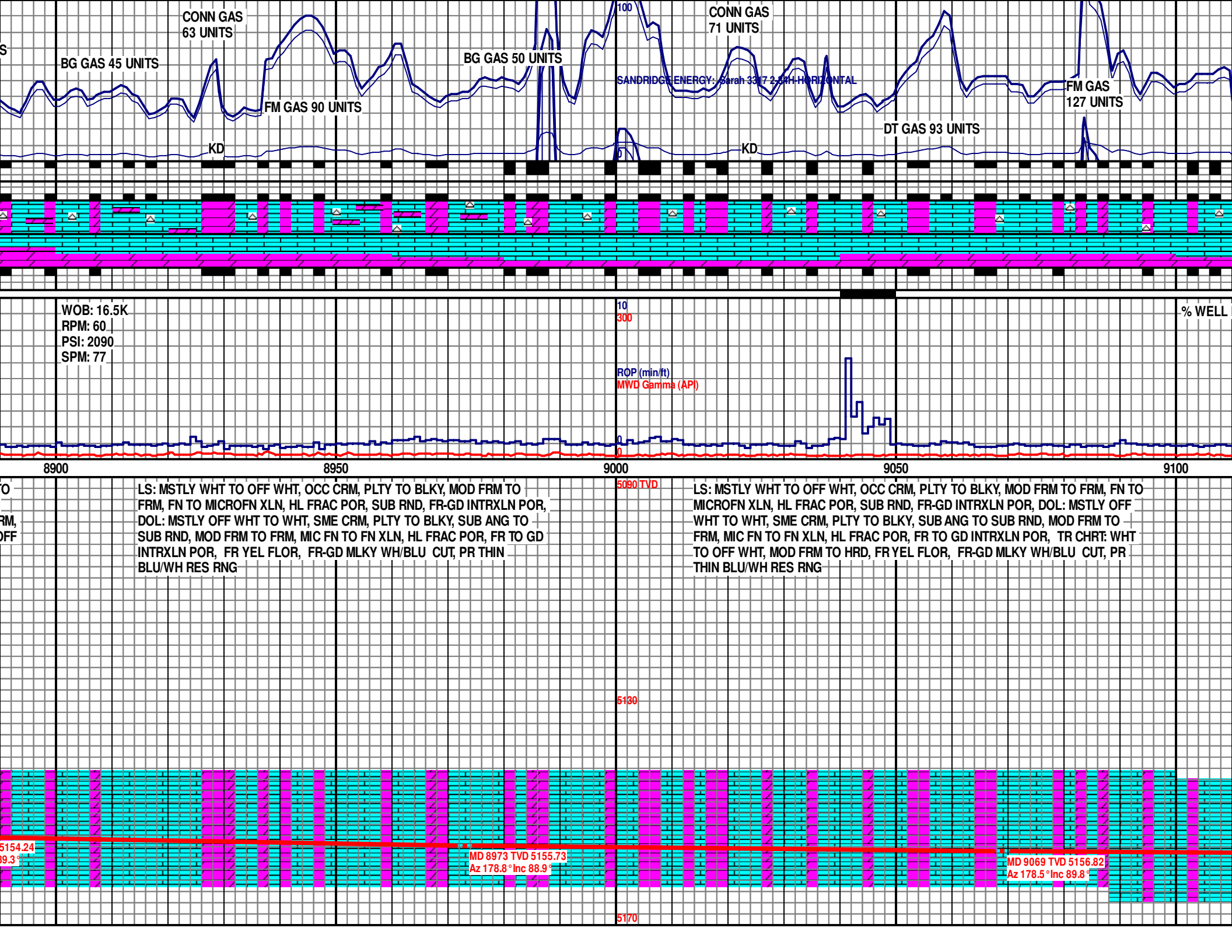
MD 8208 TVD 5150.89
Az 179.4° Inc 89.5°

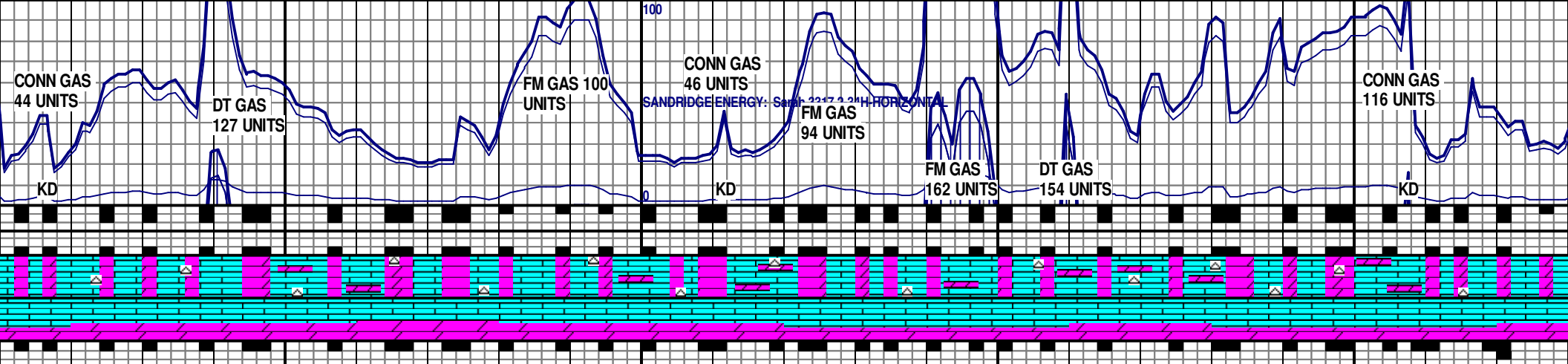
5170



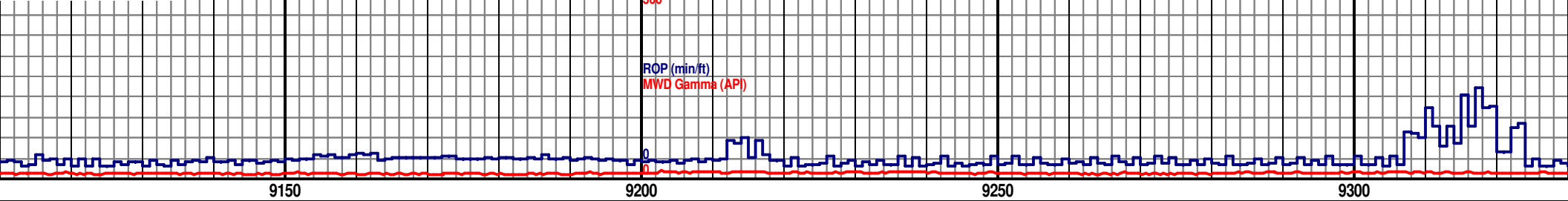








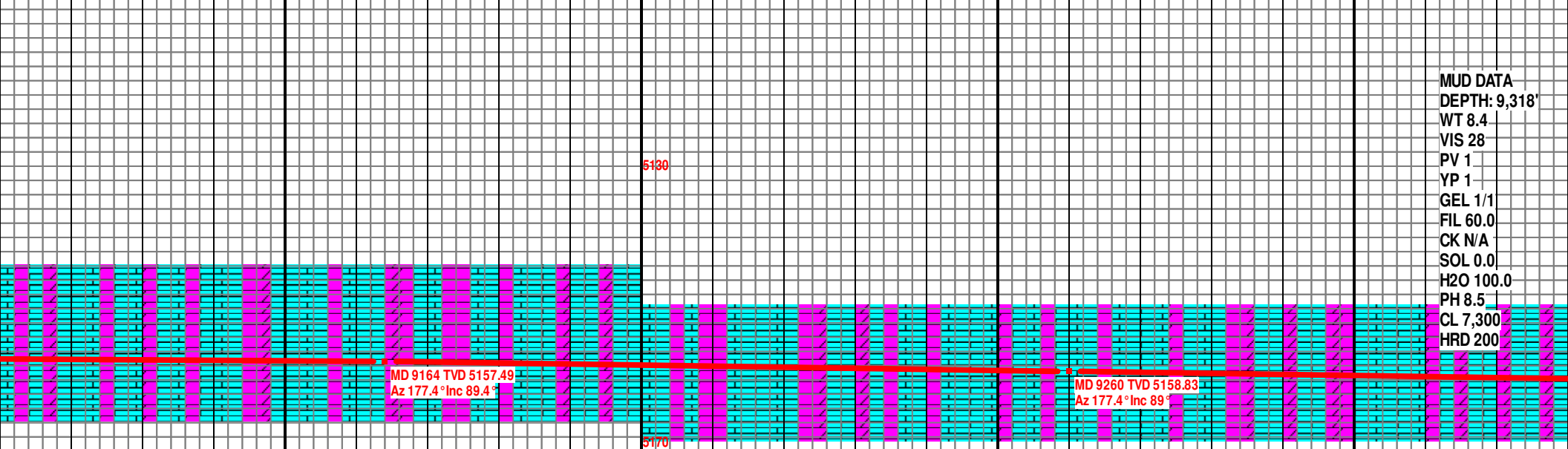
BORE LITHOLOGY ABOVE



LS: PRED OFF WHT TO WHT, SME CRM, PLTY TO BLKY, PRED MOD FRM TO FRM, FN TO MIC FN XLN, HL FRAC POR, SUB RND, FR-GD INTRXLN POR, DOL: PRED WHT TO OFF WHT, OCC CRM, PLTY TO BLKY, SUB ANG TO SUB RND, MOD FRM TO FRM, FN TO MIC FN XLN, HL FRAC POR, TR CHRT: WHT TO OFF WHT, MOD FRM TO HRD, FR YEL FLOR, FR TO GD MLKY BLUISH WHT CUT, MED TO THK BLUISH RES RING

LS: PRED OFF WHT TO WHT, TR CRM, PLTY TO BLKY, PRED MOD FRM TO FRM, FN TO MIC FN XLN, HL FRAC POR, FR-GD INTRXLN POR, DOL: PRED WHT TO OFF WHT, TR CRM, PLTY TO BLKY, SUB ANG TO SUB RND, MOD FRM TO FRM, FN TO MIC FN XLN, HL FRAC POR, LESS THAN 5% CHRT: WHT TO OFF WHT, MOD FRM TO HRD, PR TO FR YEL FLOR, FR TO GD MLKY BLUISH CUT, THN TO MED BLUISH/WHT RES RING

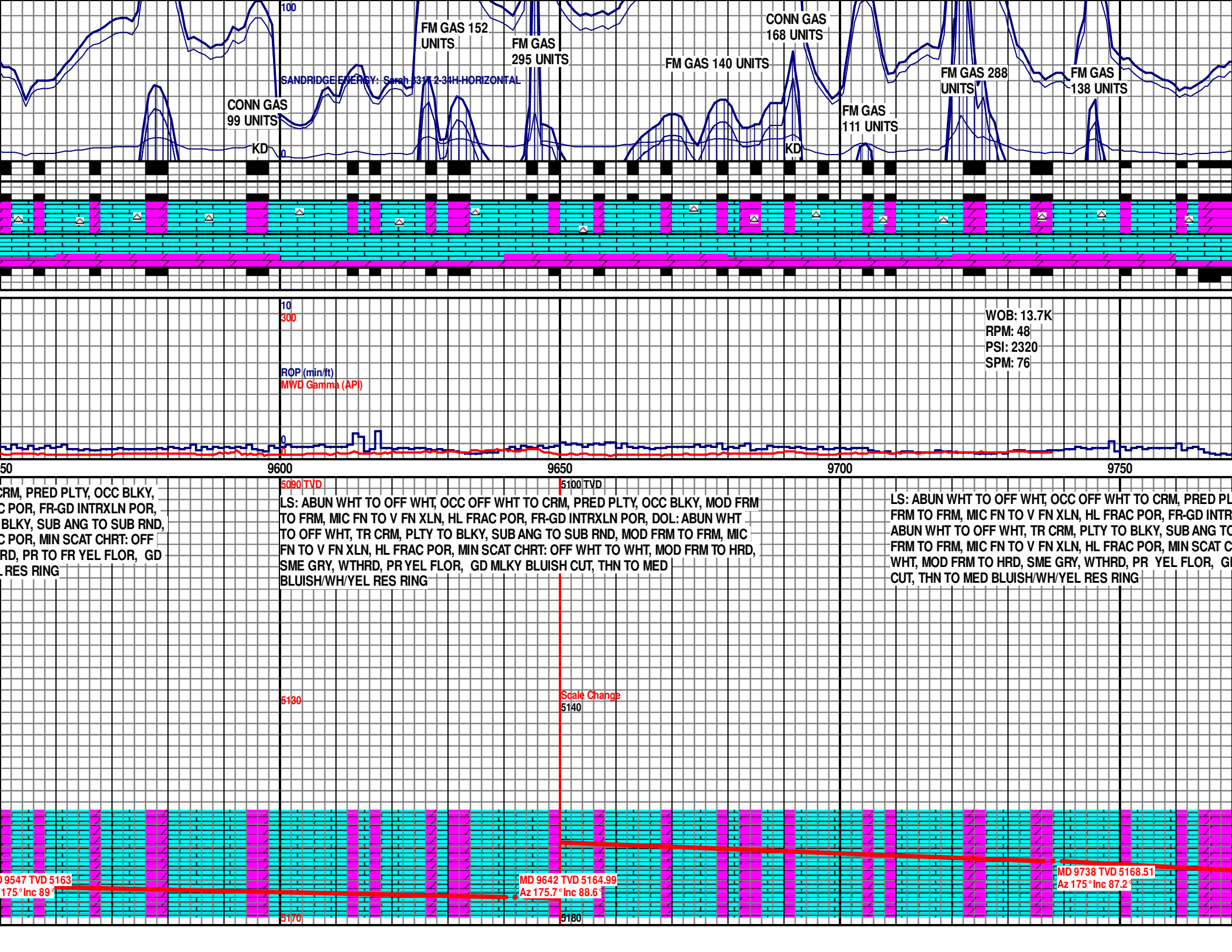
LS: ABUN WHT TO OFF V FRM, MIC FN TO V FN XLN, WHT, TR CRM, PLTY TO E XLN, HL FRAC POR, MIN FLOR, GD MLKY BLUISH



MD 9164 TVD 5157.49
Az 177.4° Inc 89.4°

MD 9260 TVD 5158.83
Az 177.4° Inc 89.4°

MUD DATA
DEPTH: 9,318'
WT 8.4
VIS 28
PV 1
YP 1
GEL 1/1
FIL 60.0
CK N/A
SOL 0.0
H2O 100.0
PH 8.5
CL 7,300
HRD 200



100

BG GAS 40 UNITS

SANDRIDGE ENERGY: Sarah 3317 2-34H HORIZON

KD

GAS

0

WELL TD @
9,787' MD AND
5170.9' TVD ON
9/20/2012

ROP (min/ft)
MYD Gamma (API)

0

ROP

9800

5100 TVD

TY, OCC BLKY, MOD
XLN POR, DOL:
SUB RND, MOD
HRT: OFF WHT TO
D MLKY BLUISH

SANDRIDGE ENERGY
SARAH 3317 2-34H
SEC 34-T33S-R17W
COMANCHE CO. KANSAS
API# 15033216660100
GR 1,824' KB 1,844'

5140

MD 9787 TVD 5170.91
Az 175° Inc 87.2°

5180

Well log plot for Well TD @ 9,787' MD AND 5170.9' TVD ON 9/20/2012.

Plot includes:

- Depth scale (0 to 100)
- Well depth: 9,787' MD AND 5170.9' TVD ON 9/20/2012
- Well completion depth: 5,100' TVD
- Well completion depth: 5,140'
- Well completion depth: 5,180'

Well log data:

- BG GAS 40 UNITS
- SANDRIDGE ENERGY: Sarah 3317 2-34H HORIZON
- KD
- GAS
- ROP (min/ft)
- MYD Gamma (API)

Well completion details:

- MD 9787' TVD 5170.91'
- Az 175° Inc 87.2°

Well log plot for Well TD @ 9,787' MD AND 5170.9' TVD ON 9/20/2012. The plot shows BG GAS 40 UNITS, SANDRIDGE ENERGY: Sarah 3317 2-34H HORIZON, KD, GAS, ROP (min/ft), and MYD Gamma (API). The plot includes a depth scale from 0 to 100, a well depth of 9,787' MD and 5,170.9' TVD, and a well completion depth of 5,100' TVD. The plot also shows a well completion depth of 5,140' and a well completion depth of 5,180'.

100

BG GAS 40 UNITS

SANDRIDGE ENERGY: Sarah 3317 2-34H HORIZON

KD

GAS

0

WELL TD @
9,787' MD AND
5170.9' TVD ON
9/20/2012

ROP (min/ft)
MYD Gamma (API)

0

ROP

9800

5100 TVD

TY, OCC BLKY, MOD
XLN POR, DOL:
SUB RND, MOD
HRT: OFF WHT TO
D MLKY BLUISH

SANDRIDGE ENERGY
SARAH 3317 2-34H
SEC 34-T33S-R17W
COMANCHE CO. KANSAS
API# 15033216660100
GR 1,824' KB 1,844'

5140

MD 9787 TVD 5170.91
Az 175° Inc 87.2°

5180

100

BG GAS 40 UNITS

SANDRIDGE ENERGY: Sarah 3317 2-34H HORIZON

KD

GAS

0

WELL TD @
9,787' MD AND
5170.9' TVD ON
9/20/2012

ROP (min/ft)
MYD Gamma (API)

0

ROP

9800

5100 TVD

TY, OCC BLKY, MOD
XLN POR, DOL:
SUB RND, MOD
HRT: OFF WHT TO
D MLKY BLUISH

SANDRIDGE ENERGY
SARAH 3317 2-34H
SEC 34-T33S-R17W
COMANCHE CO. KANSAS
API# 15033216660100
GR 1,824' KB 1,844'

5140

MD 9787 TVD 5170.91
Az 175° Inc 87.2°

5180

100

BG GAS 40 UNITS

SANDRIDGE ENERGY: Sarah 3317 2-34H HORIZON

KD

GAS

0

WELL TD @
9,787' MD AND
5170.9' TVD ON
9/20/2012

ROP (min/ft)
MYD Gamma (API)

0

ROP

9800

5100 TVD

TY, OCC BLKY, MOD
XLN POR, DOL:
SUB RND, MOD
HRT: OFF WHT TO
D MLKY BLUISH

SANDRIDGE ENERGY
SARAH 3317 2-34H
SEC 34-T33S-R17W
COMANCHE CO. KANSAS
API# 15033216660100
GR 1,824' KB 1,844'

5140

MD 9787 TVD 5170.91
Az 175° Inc 87.2°

5180

100

BG GAS 40 UNITS

SANDRIDGE ENERGY: Sarah 3317 2-34H HORIZON

KD

0 GAS

10

300

ROP (min/ft)

MYD Gamma (API)

0

0 ROP

9800

5100 TVD

TY, OCC BLKY, MOD
XLN POR, DOL:
O SUB RND, MOD
HRT: OFF WHT TO
D MLKY BLUISH

SANDRIDGE ENERGY
SARAH 3317 2-34H
SEC 34-T33S-R17W
COMANCHE CO. KANSAS
API# 15033216660100
GR 1,824' KB 1,844'

5140

MD 9787' TVD 5170.91
Az 175° Inc 87.2°

5180

[illegible]

100

BG GAS 40 UNITS

SANDRIDGE ENERGY: Sarah 3317 2-34H HORIZON

KD

GAS

0

WELL TD @
9,787' MD AND
5170.9' TVD ON
9/20/2012

ROP (min/ft)
MYD Gamma (API)

0

ROP

9800

5100 TVD

TY, OCC BLKY, MOD
XLN POR, DOL:
SUB RND, MOD
HRT: OFF WHT TO
D MLKY BLUISH

SANDRIDGE ENERGY
SARAH 3317 2-34H
SEC 34-T33S-R17W
COMANCHE CO. KANSAS
API# 15033216660100
GR 1,824' KB 1,844'

5140

MD 9787 TVD 5170.91
Az 175° Inc 87.2°

5180

100

BG GAS 40 UNITS

SANDRIDGE ENERGY: Sarah 3317 2-34H HORIZON

KD

GAS

0

WELL TD @
9,787' MD AND
5170.9' TVD ON
9/20/2012

ROP (min/ft)
MYD Gamma (API)

0

ROP

9800

5100 TVD

TY, OCC BLKY, MOD
XLN POR, DOL:
SUB RND, MOD
HRT: OFF WHT TO
D MLKY BLUISH

SANDRIDGE ENERGY
SARAH 3317 2-34H
SEC 34-T33S-R17W
COMANCHE CO. KANSAS
API# 15033216660100
GR 1,824' KB 1,844'

5140

MD 9787 TVD 5170.91
Az 175° Inc 87.2°

5180

100

BG GAS 40 UNITS

SANDRIDGE ENERGY: Sarah 3317 2-34H HORIZON

KD

GAS

0

WELL TD @
9,787' MD AND
5170.9' TVD ON
9/20/2012

ROP (min/ft)
MYD Gamma (API)

0

ROP

9800

5100 TVD

TY, OCC BLKY, MOD
XLN POR, DOL:
SUB RND, MOD
HRT: OFF WHT TO
D MLKY BLUISH

SANDRIDGE ENERGY
SARAH 3317 2-34H
SEC 34-T33S-R17W
COMANCHE CO. KANSAS
API# 15033216660100
GR 1,824' KB 1,844'

5140

MD 9787 TVD 5170.91
Az 175° Inc 87.2°

5180

100

BG GAS 40 UNITS

SANDRIDGE ENERGY: Sarah 3317 2-34H HORIZON

KD

GAS

0

WELL TD @
9,787' MD AND
5170.9' TVD ON
9/20/2012

ROP (min/ft)
MYD Gamma (API)

0

ROP

9800

5100 TVD

TY, OCC BLKY, MOD
XLN POR, DOL:
SUB RND, MOD
HRT: OFF WHT TO
D MLKY BLUISH

SANDRIDGE ENERGY
SARAH 3317 2-34H
SEC 34-T33S-R17W
COMANCHE CO. KANSAS
API# 15033216660100
GR 1,824' KB 1,844'

5140

MD 9787 TVD 5170.91
Az 175° Inc 87.2°

5180

Well log plot for Well TD @ 9,787' MD AND 5170.9' TVD ON 9/20/2012.

Plot includes:

- Depth scale (0 to 100)
- Well completion depth (5,100' TVD)
- Well completion depth (5,140')
- Well completion depth (5,180')
- Well completion depth (5,180')

Well completion depth: 5,100' TVD

Well completion depth: 5,140'

Well completion depth: 5,180'

Well completion depth: 5,180'

Well log plot for Well TD @ 9,787' MD AND 5170.9' TVD ON 9/20/2012.

Plot includes:

- Depth scale (0 to 100)
- Well completion depth (5,100' TVD)
- Well completion depth (5,140')
- Well completion depth (5,180')
- Well completion depth (5,180')

Well completion depth: 5,100' TVD

Well completion depth: 5,140'

Well completion depth: 5,180'

Well completion depth: 5,180'

100

BG GAS 40 UNITS

SANDRIDGE ENERGY: Sarah 3317 2-34H HORIZON

KD

0

GAS

10

300

ROP (min/ft)

MYD Gamma (API)

0

0

ROP

9800

5100 TVD

TY, OCC BLKY, MOD
XLN POR, DOL:
O SUB RND, MOD
HRT: OFF WHT TO
D MLKY BLUISH

SANDRIDGE ENERGY
SARAH 3317 2-34H
SEC 34-T33S-R17W
COMANCHE CO. KANSAS
API# 15033216660100
GR 1,824' KB 1,844'

5140

MD 9787' TVD 5170.91'
Az 175° Inc 87.2°

5180

100

BG GAS 40 UNITS

SANDRIDGE ENERGY: Sarah 3317 2-34H HORIZON

KD

0 GAS

10

300

ROP (min/ft)

MYD Gamma (API)

0

0 ROP

9800

5100 TVD

TY, OCC BLKY, MOD
XLN POR, DOL:
O SUB RND, MOD
HRT: OFF WHT TO
D MLKY BLUISH

SANDRIDGE ENERGY
SARAH 3317 2-34H
SEC 34-T33S-R17W
COMANCHE CO. KANSAS
API# 15033216660100
GR 1,824' KB 1,844'

5140

MD 9787 TVD 5170.91
Az 175° Inc 87.2°

5180

100

BG GAS 40 UNITS

SANDRIDGE ENERGY: Sarah 3317 2-34H HORIZON

KD

0 GAS

10

300

ROP (min/ft)

MYD Gamma (API)

0

0 ROP

9800

5100 TVD

TY, OCC BLKY, MOD
XLN POR, DOL:
O SUB RND, MOD
HRT: OFF WHT TO
D MLKY BLUISH

SANDRIDGE ENERGY
SARAH 3317 2-34H
SEC 34-T33S-R17W
COMANCHE CO. KANSAS
API# 15033216660100
GR 1,824' KB 1,844'

5140

MD 9787 TVD 5170.91
Az 175° Inc 87.2°

5180