

# MID CONTINENT WELL LOGGING SERVICE, INC.

CONTINUOUS WELL LOGGING / COMPLETE HYDROCARBON ANALYSIS

2222 WESTPARK DR. STE. A  
NORMAN, OK 73069  
OFFICE (405) 360-7333  
OPERATIONS (405) 590-3655  
SALES (405) 203-9989

Scale 1:240 (5"=100') Imperial  
Measured Depth Log

Well Name: Sean 3119 12-18H      Sandridge Energy  
Location: 19-T31S-R19W Comanche County, Kansas  
License Number: API# 15033216520100      Region: COMANCHE COUNTY,  
Spud Date: 07/12/2012      Drilling Completed:  
Surface Coordinates: 250'FNL & 900' FEL NE/4

Bottom Hole Report for: Kathy Gentry  
Coordinates: Loggers: Blake Johnson & Bill Deal III  
Ground Elevation (ft): 2,181'      K.B. Elevation (ft): 2,201'  
Logged Interval (ft): 5,623'      To: 10,071'      Total Depth (ft): 10,071'  
Formation: Mississippi Limestone  
Type of Drilling Fluid: NATIVE GEL

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## OPERATOR

Company: SANDRIDGE ENERGY, INC  
Address: 123 Robert S. Kerr Avenue, Ste. 2430  
Oklahoma City, Oklahoma 73102-6406

# GEOLOGIST

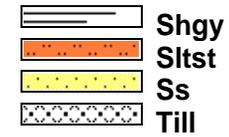
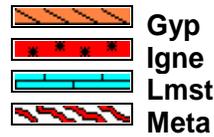
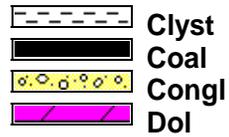
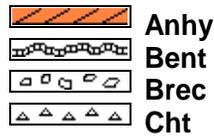
Name: KATHY GENTRY  
Company: SANDRIDGE ENERGY, INC  
Address: 123 Robert S. Kerr Avenue, Ste. 2430  
Oklahoma City, Oklahoma 73102-6406

## Cores

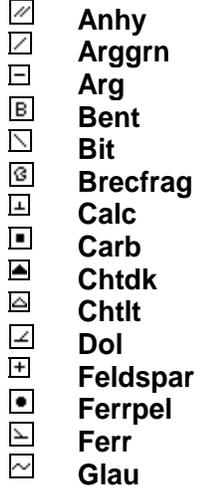
## DSTs

## Comments

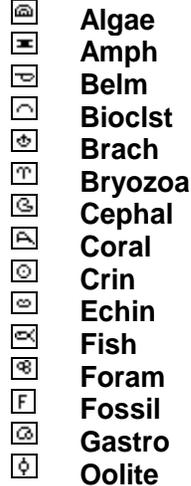
### ROCK TYPES



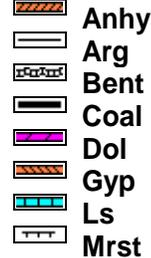
### MINERAL



### FOSSIL



### STRINGER



### TEXTURE



**OTHER SYMBOLS**

**POROSITY**

-  Earthy
-  Fenest
-  Fracture
-  Inter
-  Moldic
-  Organic
-  Pinpoint

-  Vuggy

**SORTING**

-  Well
-  Moderate
-  Poor

**ROUNDING**

-  Rounded
-  Subrnd
-  Subang
-  Angular

**OIL SHOW**

-  Even

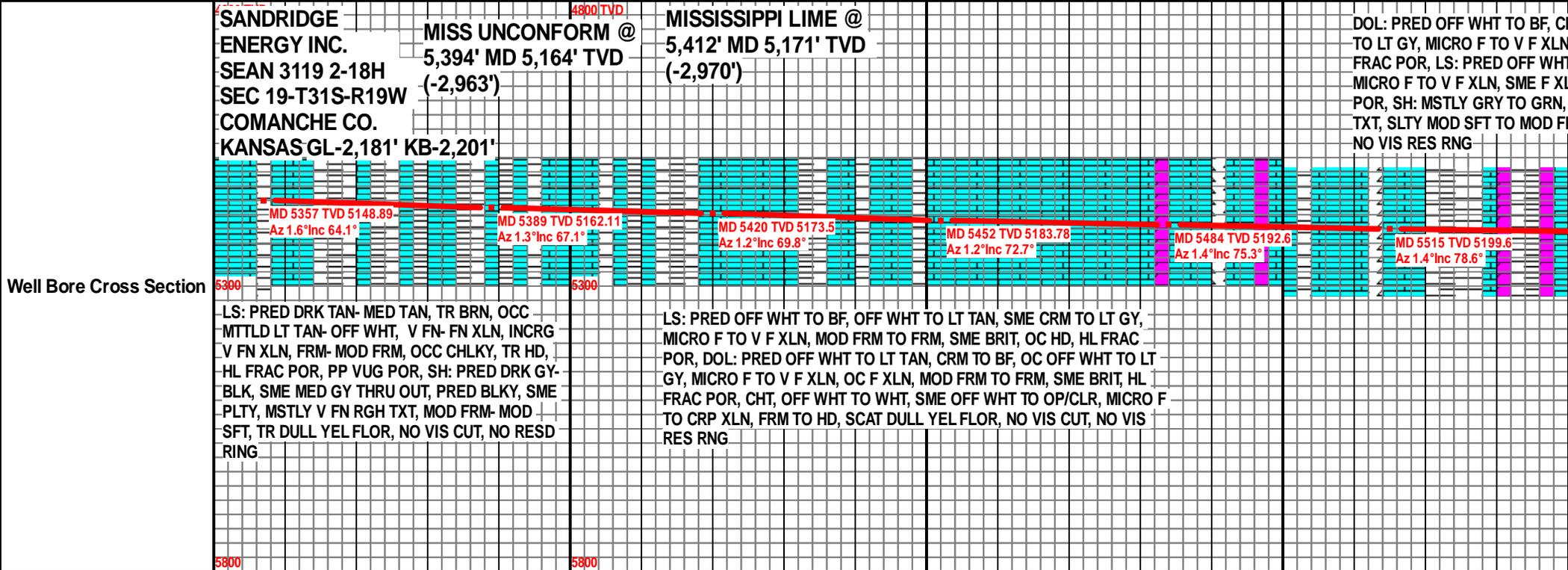
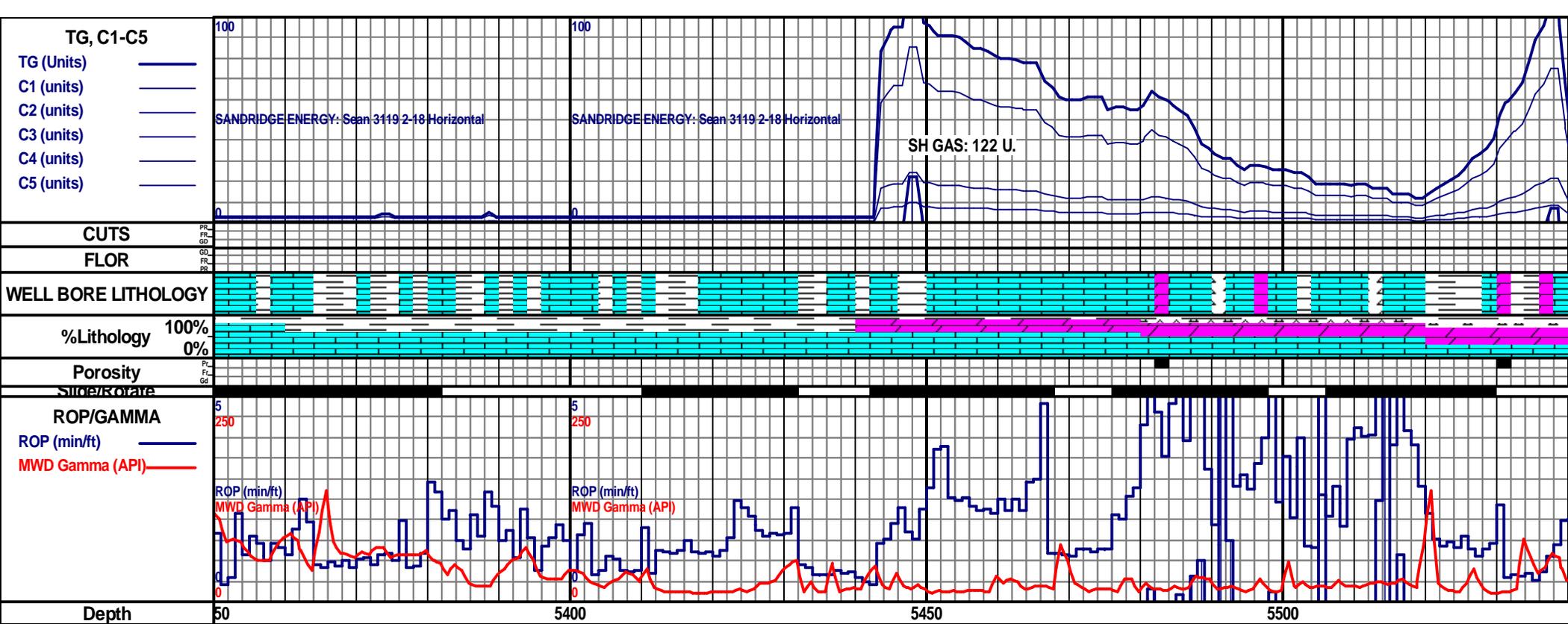
-  Spotted
-  Ques
-  Dead

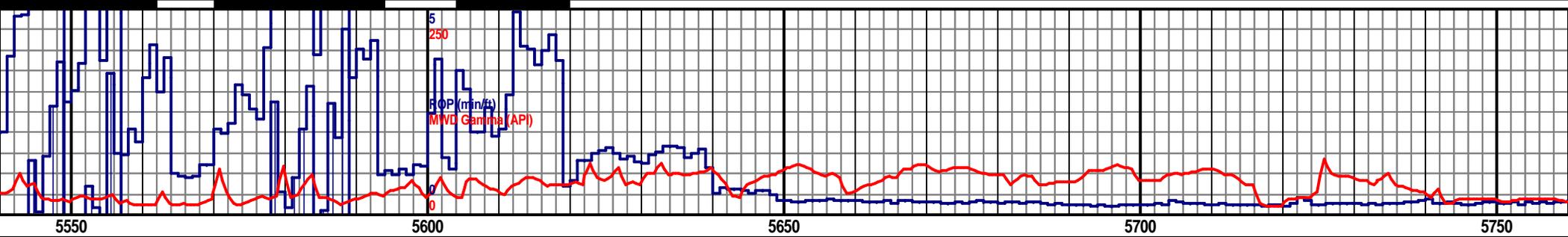
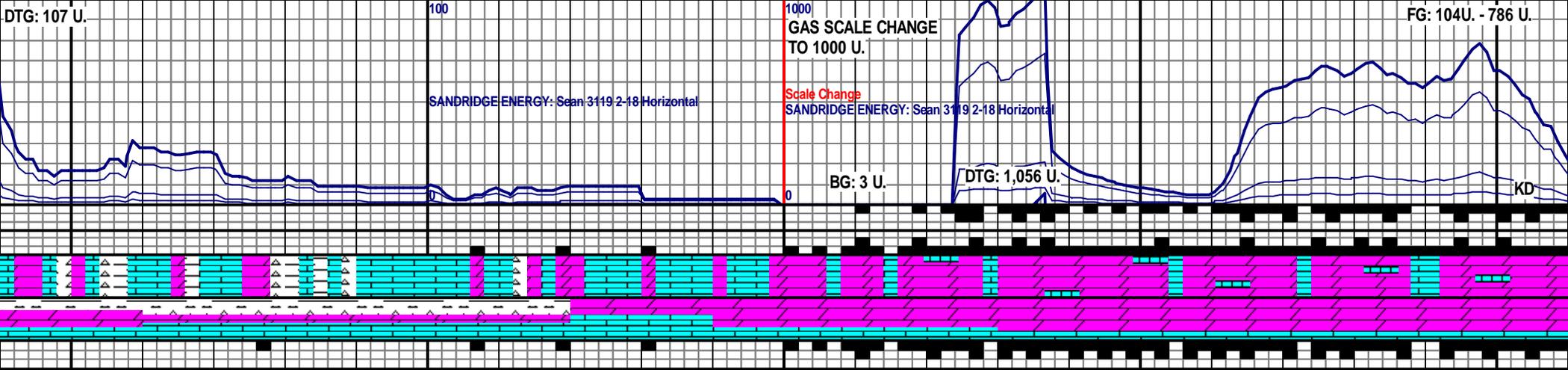
**INTERVAL**

-  Core
-  Dst

**EVENT**

-  Rft
-  Sidewall





5550 5600 5650 5700 5750

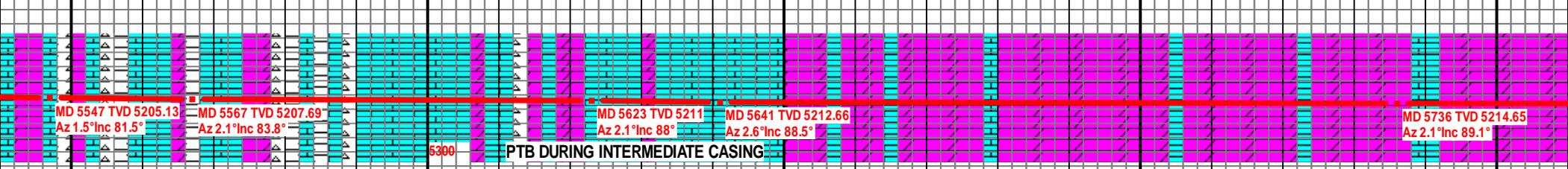
4800 TVD

FROM TAN, SME OFF WHT TO LT BRN, OC OFF WHT, SME F XLN, MOD SFT TO MOD FRM, OC FRM, HL T TO LT TAN, CRM TO BF, SCAT OFF WHT TO LT GY, N, MOD SFT TO MOD FRM, FRM, SME BRIT, HL FRAC SME BLK, OC LT GY TO GY, F TO V F TXT, SME MED FRM, BLKY, CHNKY, SCAT DULL YEL FLOR, NO VIS CUT,

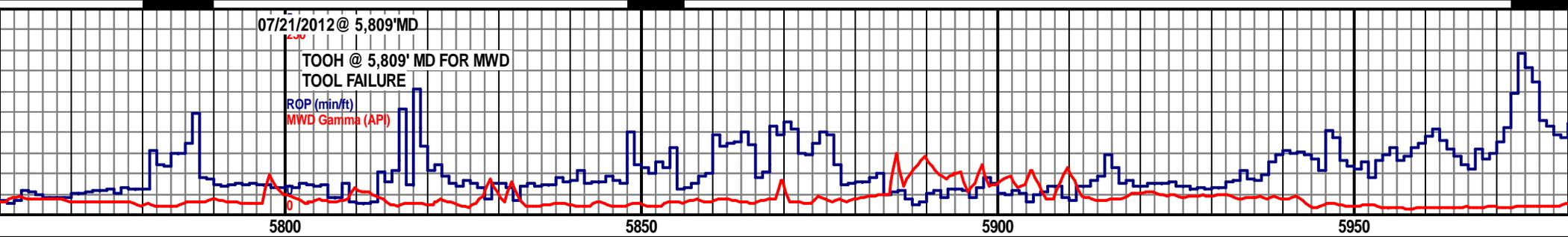
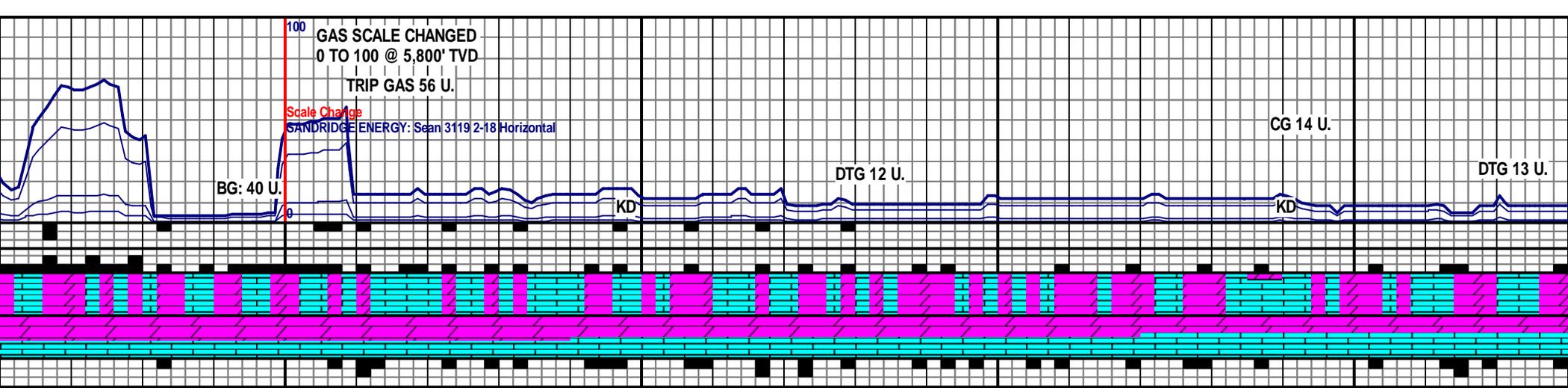
DOL: PRED LT GY TO LT TAN, OP, SCAT OFF WHT TO LT GY, MD TO F XLN, HI SUC, MSTLY SFT TO MOD SFT, SME MOD FRM, LS: PRED OFF WHT TO WHT, MICRO F TO V F XLN, MOD SFT TO MOD FRM, GD BRI YEL FLOR, GD STRMING MLKY BLU CUT, FR BRI YEL MLKY RES RNG

WOB: 15.1 K  
RPM: 57  
SPM: 84  
PP:2135

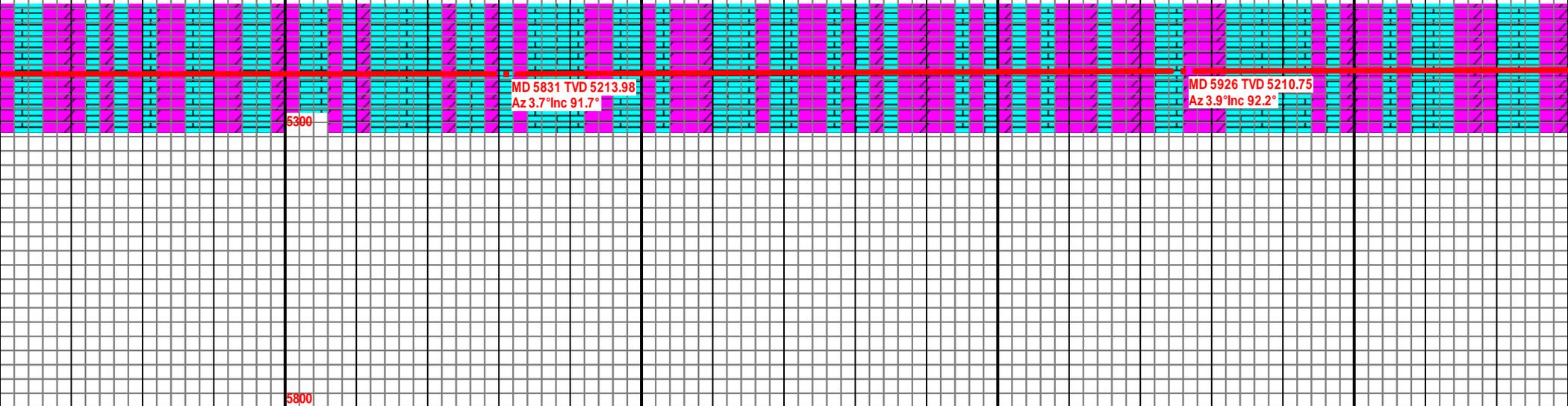
DOL: MSTLY LT GY TO LT TAN, OP, SME OFF WHT XLN, OC V F XLN, HI SUC, MSTLY SFT TO MOD SFT, LS: PRED OFF WHT TO WHT, CRM TO BF, OC OFF MICRO F TO V F XLN, MOD SFT TO MOD FRM, GD STRMING MLKY BLU CUT, FR BRI YEL MLKY RES

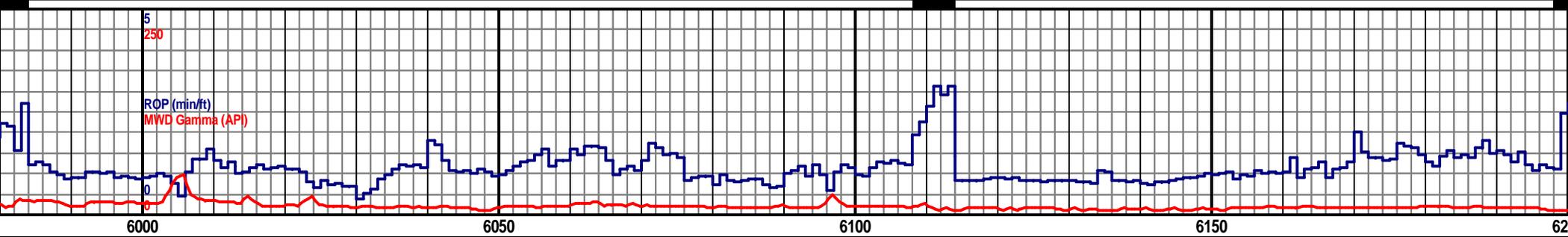
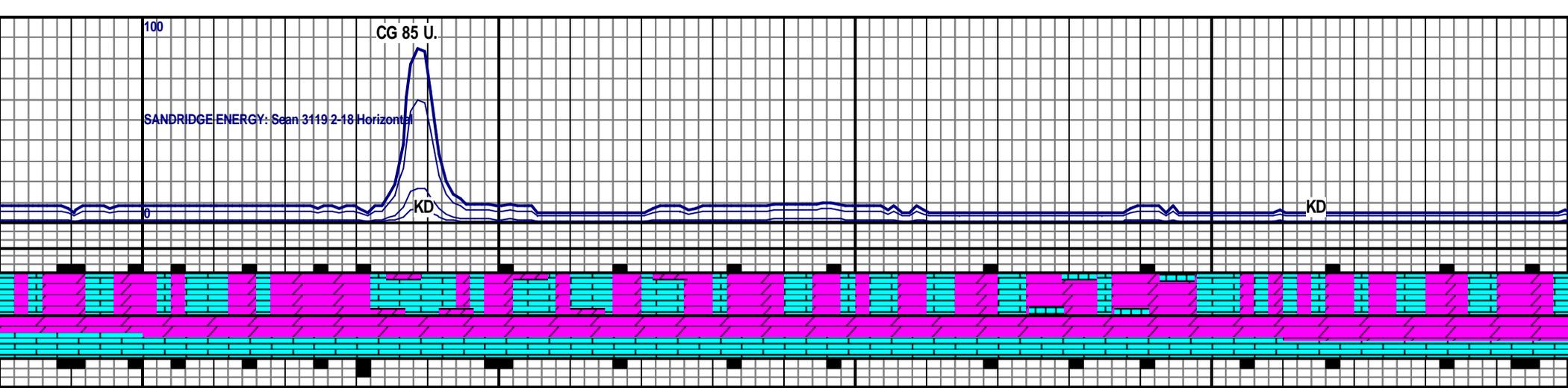


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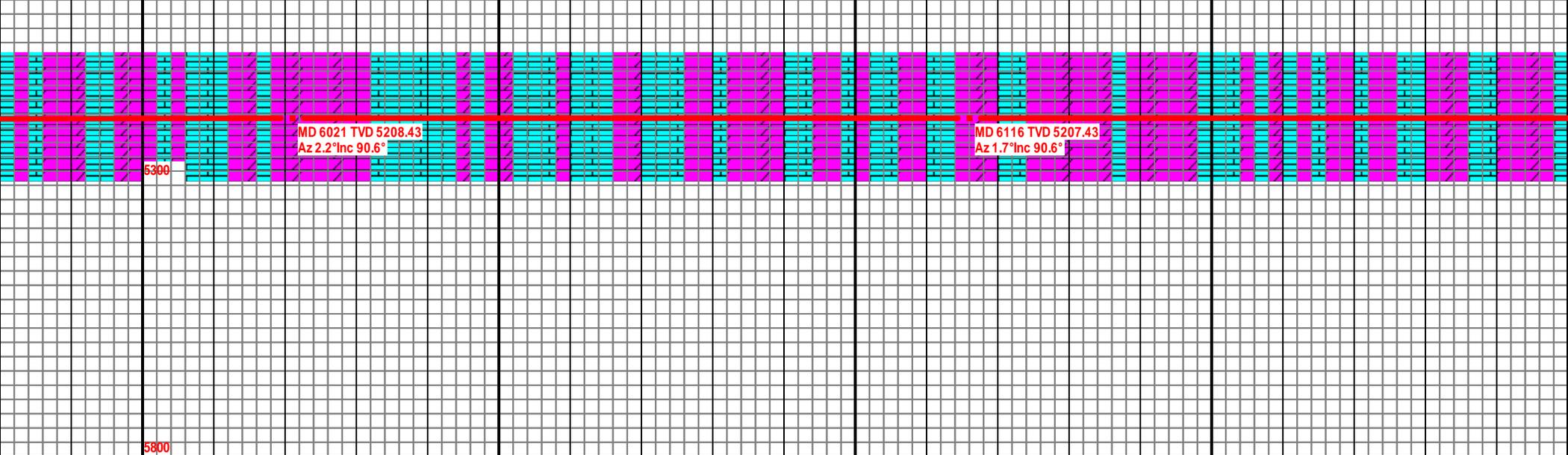


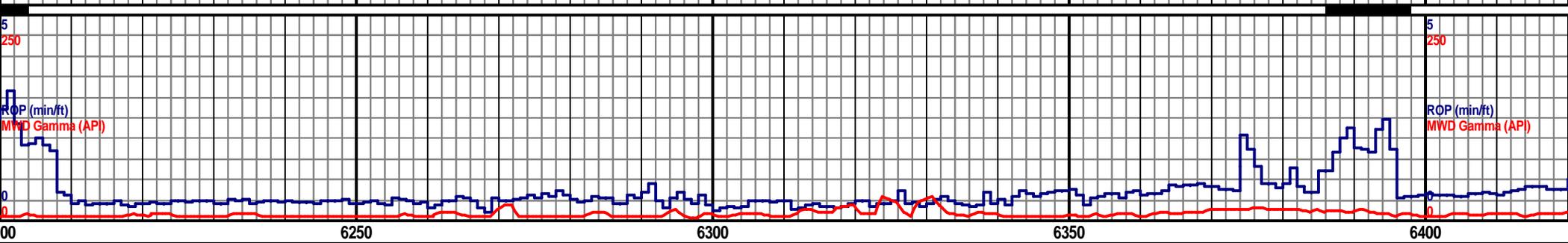
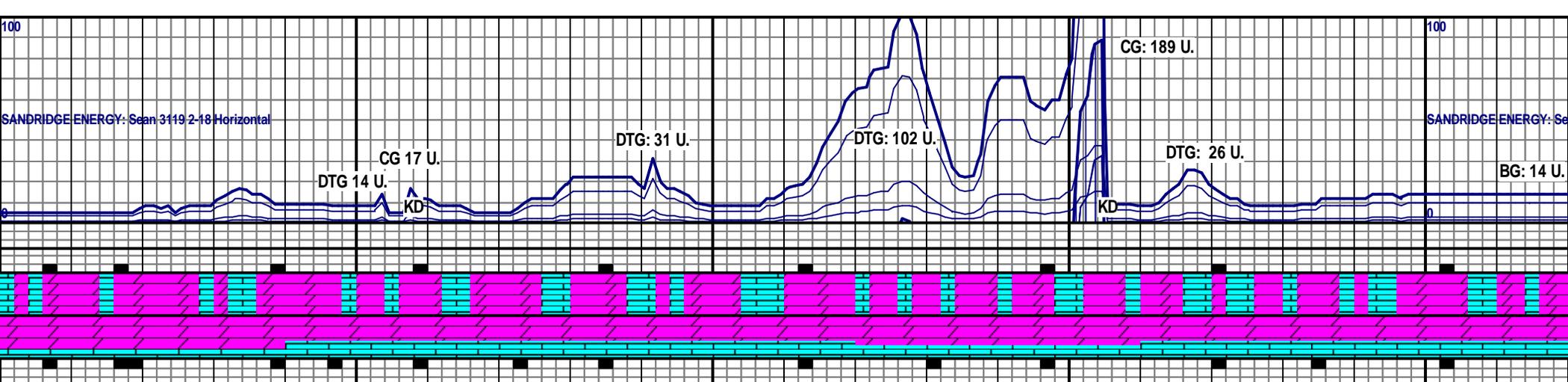
TO LT GY, MD TO F T, SME MOD FRM, WHT TO LT GY, BRI YEL FLOR, GD RNG	4800 TVD MUD DATA- @ 5,791' WT-8.5 VIS-27 PV-1 YP-1 GEL 1/1 FIL-60.0 CK- N/A SOL- 1.5 H20-98.5 PH-11.00 CL-27,000 CA-560	DOL: PRED OFF WHT- WHT, OCC LT TAN, MSTLY BLKY, TR PLTY, PRED MICRO FN- V FN XLN, OCC MED XLN, DCRG SUCRO, MOD SFT- MOD FRM, LS: MSTLY WHT- OFF WHT, TR LT TAN, PRED BLKY, MSTLY V FN- MICRO FN XLN, LITHO, PRED MOD SFT/CHLKY- MOD FRM, SCAT YEL- DULL YEL FLOR, SLW FNT BLU TRANSLU CUT, V FNT LT BLU RESD RING	DOL: MSTLY CRM- WHT, SME LT TAN, MSTLY BLKY, TR PLTY, MSTLY M FN- V FN XLN, OCC MED XLN, OCC MICRO SUCRO, MOD SFT- MOD FRM INTRXLN POR, LS: MSTLY WHT- OFF WHT, TR LT TAN, PRED BLKY, MST FN- MICRO FN XLN, LITHO, PRED MOD SFT/CHLKY- MOD FRM, DCRG S YEL- DULL YEL FLOR, NO VIS CUT, NO RESD RING
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CRO M, TR PR TLY V CAT	4800 TVD WOB: 10.3 K RPM: 56 SPM: 86 PP:2082	DOL: MSTLY CRM- WHT, SME LT TAN, MSTLY BLKY, TR PLTY, MSTLY MICRO FN- V FN XLN, OCC MED XLN, OCC MICRO SUCRO, MOD SFT- MOD FRM, TR PR INTRXLN POR, LS: MSTLY WHT- OFF WHT, TR LT TAN, PRED BLKY, MSTLY V FN- MICRO FN XLN, LITHO, PRED MOD SFT/CHLKY- MOD FRM, DCRG SCAT YEL- DULL YEL FLOR, NO VIS CUT, NO RESD RING	LS: PRED OFF WHT TO WHT, CRM TO LT TAN, OC OFF WHT TO LT TAN, F TO V F XLN, SME MICRO F XLN, MOD SFT TO MOD FRM, SME SFT, OC BRIT, SCAT HL FRAC POR, DOL: PRED CRM TO OFF WHT, OFF WHT TO LT TAN, OC CRM TO LT GY, F TO V F XLN, CHLKY, SUC, MOD SFT TO MOD FRM, SME SFT, YEL FLOR THRU OUT, NO VIS CUT, NO VIS RES RNG
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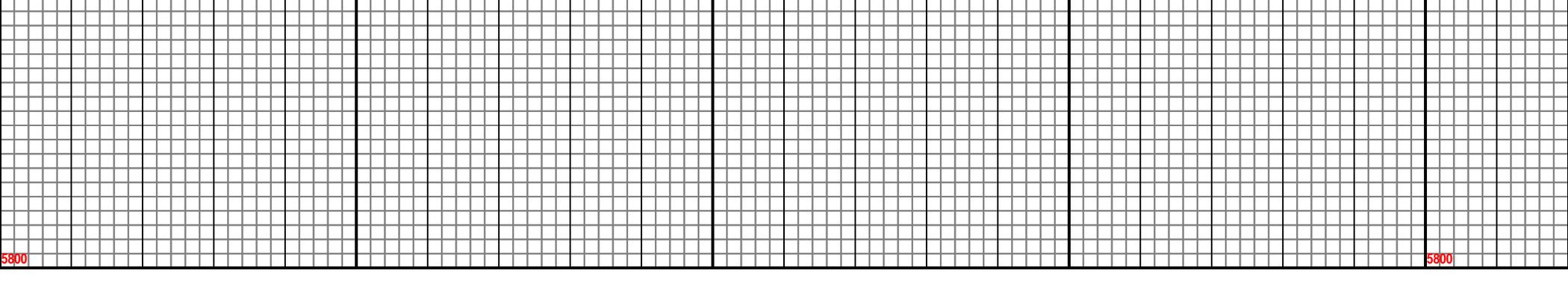
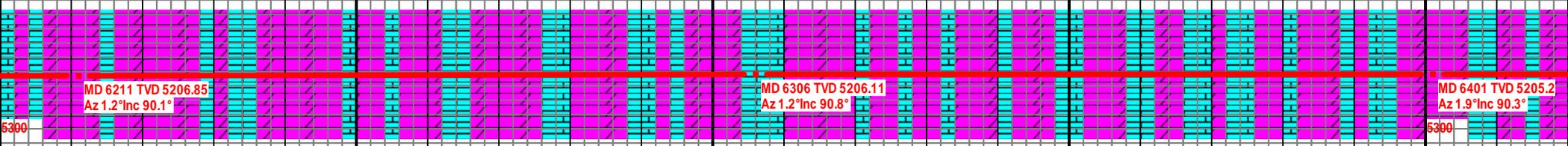
4800 TVD

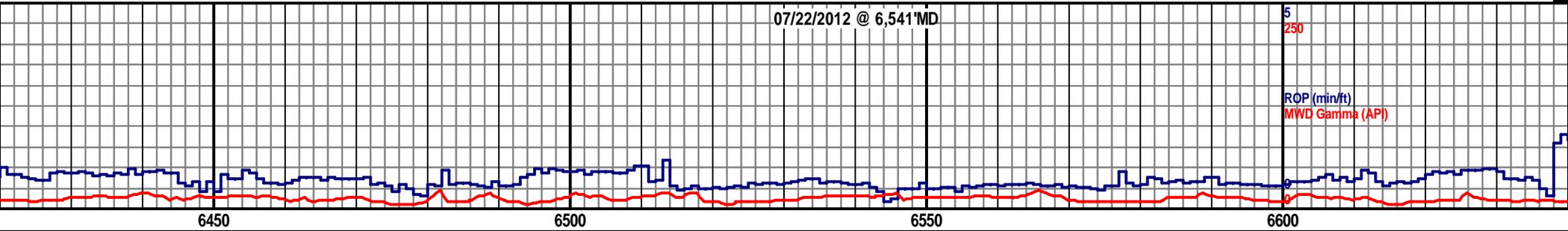
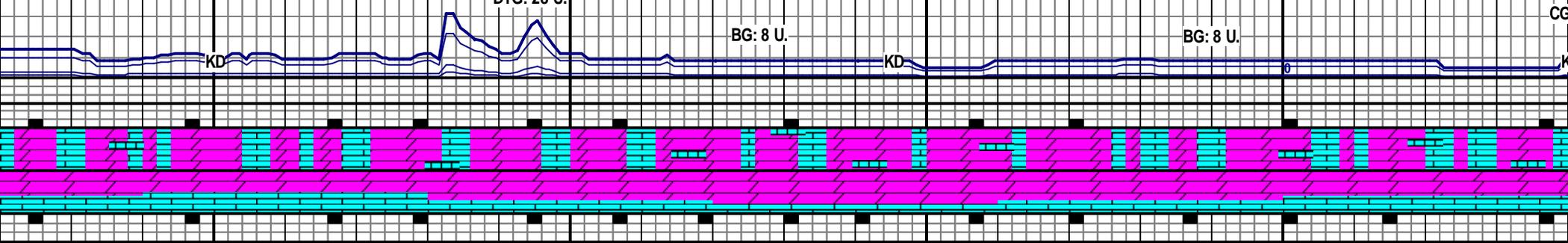
DOL: PRED CRM TO OFF WHT, OFF WHT TO LT TAN, OC CRM TO OP, F TO V F XLN, SME MED XLN, CHLKY, HI SUC, MOD SFT TO MOD FRM, SME SFT, LS: PRED OFF WHT TO WHT, CRM TO LT TAN, OC OFF WHT TO LT TAN, SCAT OP TO LT CRM, F TO V F XLN, SCAT MICRO F XLN, MOD SFT TO MOD FRM, SME SFT, SCAT BRIT, TR VIS HL FRAC POR, YEL/GLD FLOR THRU OUT, NO VIS CUT, NO VIS RES RNG

WOB: 15.3 K RPM: 67 SPM: 85 PP:2094

DOL: MSTLY CRM TO LT GY, SME CRM TO OFF WHT, OFF WHT TO OP/CLR, F TO V F XLN, SME SUC, SCAT MICRO F XLN, SFT TO MOD FRM, OC FRM TO BRIT, LS: PRED OFF WHT TO LT GY, OC LT CRM TO LT GY, V F TO F XLM, OC MICRO F XLN, SFT TO MOD FRM, DULL GLD W/SCAT YEL FLOR, NO VIS CUT, NO VIS RES RNG

DOL: PRED O CRM, V F TO OC SFT, LS: P MICRO F XLN NO VIS CUT,



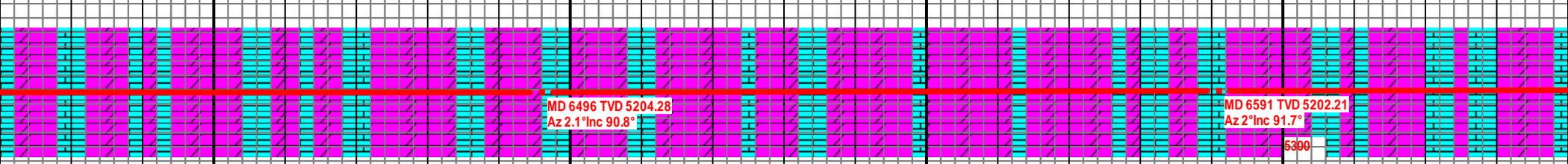


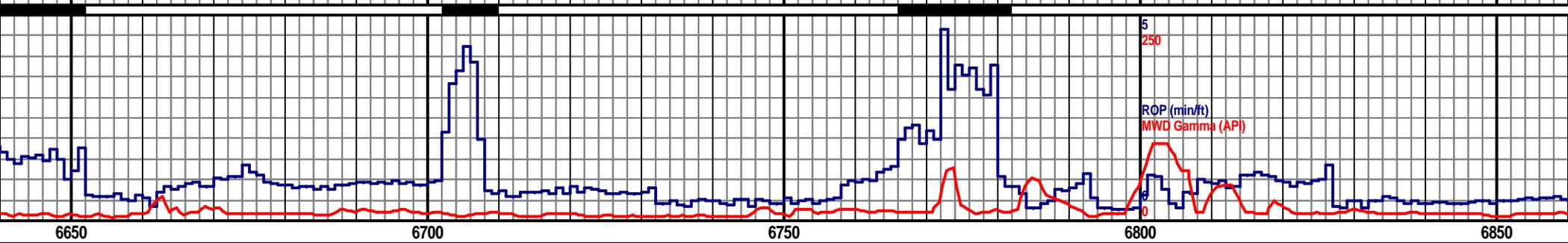
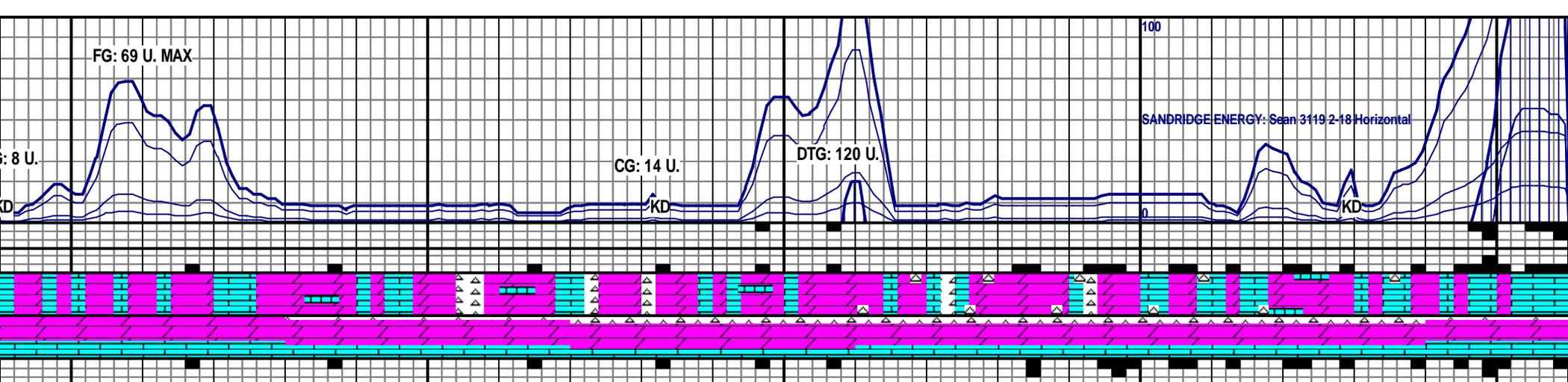
OFF WHT TO CRM, CRM TO BF, OFF WHT TO LT TAN, OC OFF WHT TO  
F XLN, SCAT MICRO F XLN, CHLKY, SCAT SUC, MOD SFT TO MOD FRM,  
PRED OFF WHT TO LT TAN, SME CRM TO LT GY, VF TO F XLN, SME  
, CHLKY, MOD SFT TO MOD FRM, OC SFT, SCAT BRIT, DULL GLD FLOR,  
NO VIS RES RNG

DOL: MSTLY CRM TO LT GY, OF WHT TO LT TAN, OC CRM TO OFF WHT, F TO V F XLN,  
OC MED XLN, SUC, MOD SFT TO MOD FRM, OC FRM, SCAT BRIT, LS: PRED OFF WHT TO  
LT TAN, CRM TO LT GY, V F TO F XLN, SME MICRO F XLN, TR CRPT XLN, MOD SFT TO  
MOD FRM, FRM SCAT BRIT, DUL GLD FLOR, NO VIS CUT, NO VIS RES RNG

4800 TVD  
WOB: 22.5 K  
RPM: 65  
SPM: 85  
PP: 2118

DOL: PRED CRM TO LT TAN, S  
F TO V F XLN, DECR MED XLN  
OFF WHT TO LT TAN, CRM TO  
MOD FRM, SME FRM, SCAT BR

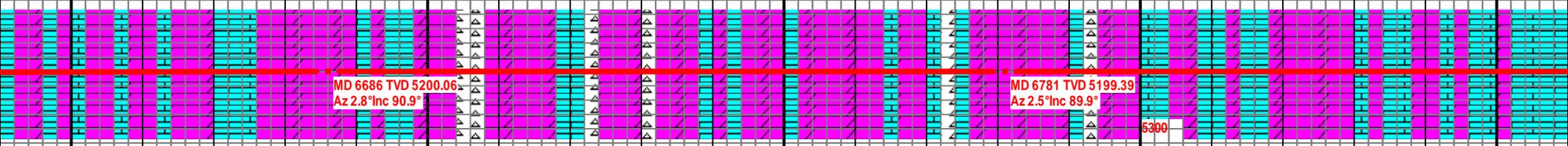


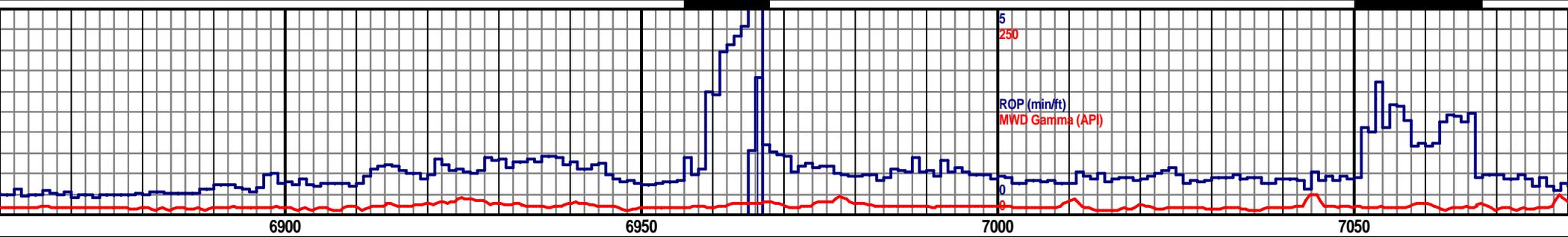
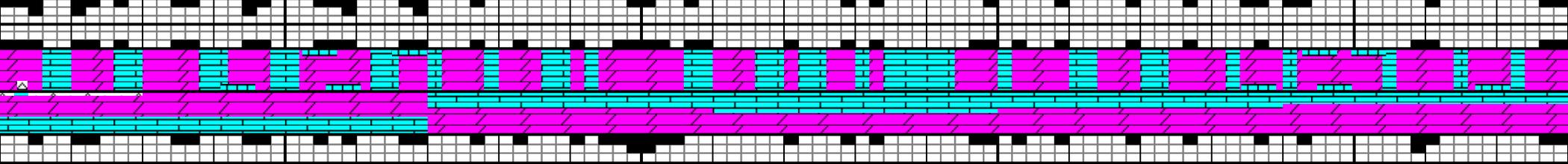
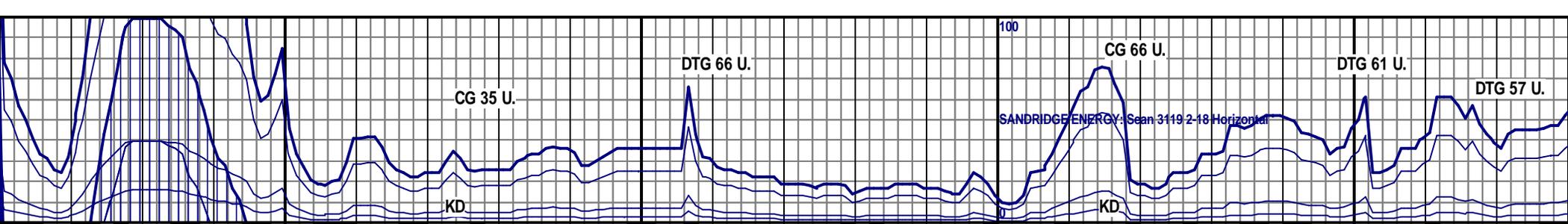


ME OFF WHT TO LT GY, OC CRM TO OFF WHT, MSTLY  
 OC SUC, MOD SFT TO MOD FRM, OC FRM, LS: PRED  
 LT GY, V F TO F XLN, SME MICRO F XLN, MOD SFT TO  
 IT, DULL GLD FLOR, NO VIS CUT, NO VIS RES RNG

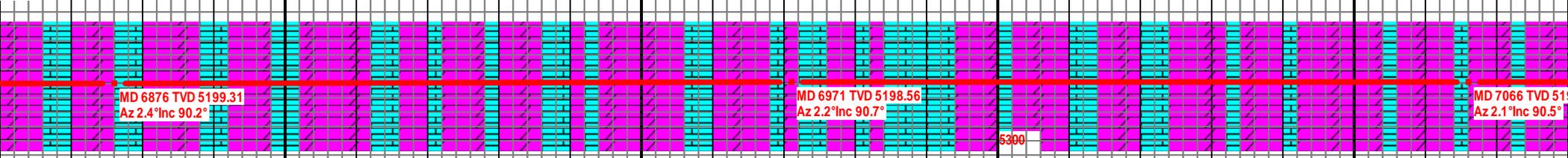
DOL: PRED OFF WHT- LT TAN, TR LT GY, MSTLY FN- V FN XLN, INCRG SCAT  
 MICRO FN XLN, SCAT SUCRO, MSTLY BLKY, TR PLTY, PRED MOD SFT- MOD  
 FRM, TR FRM, OCC INTRXLN POR, LS: MSTLY OFF WHT- WHT, SCAT LT TAN  
 THRU OUT, TR LT GY, PRED V FN- FN XLN, TR MICRO FN XLN, MSTLY MOD SFT-  
 MOD FRM, CHLKY, SLI INCRG SCAT YEL FLOR, NO VIS CUT, NO RESD RING

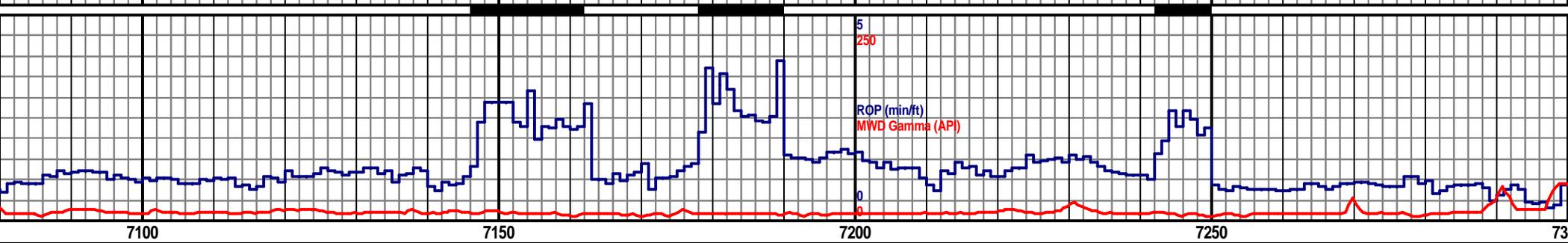
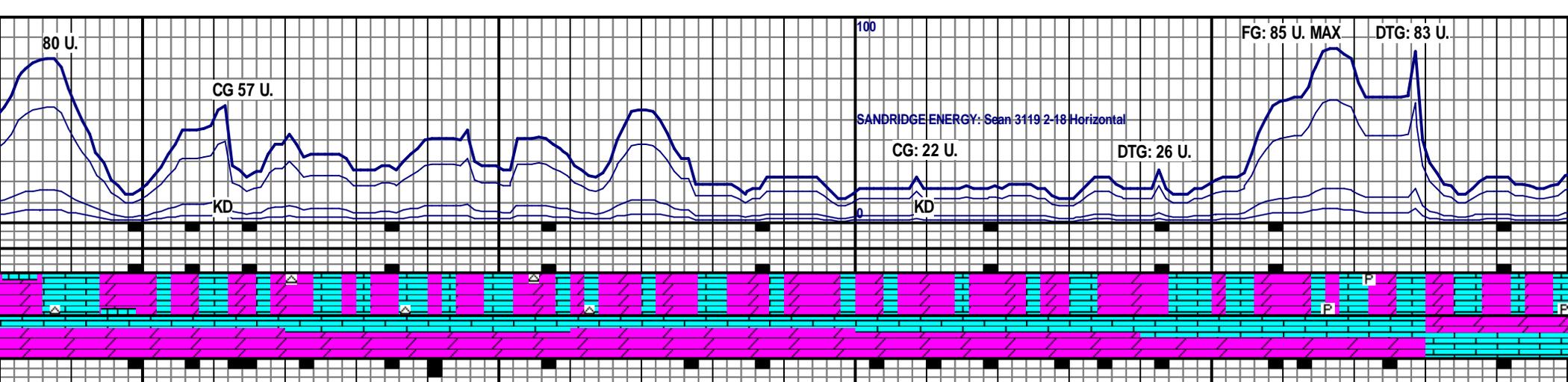
DOL: PRED OFF WHT- LT TAN, INCRG LT TAN, DO  
 XLN BCMG V FN- MICRO FN XLN, SME SUCRO, M  
 SFT- MOD FRM, LS: MSTLY CRM- WHT, SCAT LT  
 PRED MOD FRM- MOD SFT, SCAT CHLKY, MSTLY  
 LITHO, TR HL FRAC POR, CHT: PRED WHT- OPQ  
 TR BLKY, V HD- HD, SLI TR HL FRAC POR, SCAT  
 MLKY BLU BLMNG CUT, M LKY BLU/GRN RESD R





<p>CRG LT GY, PRED V FN- FN MSTLY BLKY, PRED MOD TAN, PRED BLKY, TR PLTY, MICRO FN- V FN XLN, OCC CRM, MSTLY SPLNTY, YEL- BRI YEL FLOR, SLW RING</p>	<p>WOB: 18.8 K RPM: 66 SPM: 86 PP: 2133</p>	<p>DOL: PRED LT TAN- OFF WHT, TR WHT, MSTLY MICRO FN- V FN XLN, SME FN XLN, MSTLY BLKY, TR PLTY- SPLNTY, LS: MSTLY OFF WHT- WHT, SCAT LT TAN, MSTLY BLKY, FNT TR PLTY, PRED MOD FRM- MOD SFT, CHLKY, OCC FRM- BRIT, SLI DCRG SCAT YEL FLOR, SLW BLMNG MLKY BLU CUT, MLKY GRN/BLU RESD RING</p>	<p>4800 TVD MUD DATA- @ 7,017' WT-8.5 VIS-27 PV-1 YP-1 GEL 1/1 FIL-60.0 CK- N/A SOL- 1.5 H2O-98.5 PH-11.00 CL-27,000 CA-80</p>	<p>DOL: PRED CRM- LT TAN, SCAT WHT THRU OUT, TR MED TAN BLKY, TR PLTY, PRED MOD SFT- MOD FRM, TR FRM, MSTLY V FN XLN, DNSE, LS: PRED OFF WHT- WHT, SCAT LT TAN, M PRED MOD FRM- MOD SFT, TR FRM, OCC CHLKY, MSTLY V FN FN XLN, SCAT BRI YEL- YEL FLOR, FLSH TRANSLU MLKY GR MLKY GRN/BLU RESD RING</p>
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7100 7150 7200 7250 7300

DOL: PRED CRM TO WHT, OC OFF WHT TO LT GY, SCAT OFF WHT TO LT TAN, BLKY, CHNKY, MICRO F TO V F XLN, SME F XLN, CHLKY, MOD SFT TO MOD FRM, SME SFT, SCAT FRM TO BRIT, LS: MSLTY WHT TO OFF WHT, SME CRM TO LT GY, MICRO F TO V F XLN, SCAT CRPT XLN, MOD SFT TO MOD FRM, OC BRIT, HL FRAC POR, DULL GLD W/SCAT BRI YEL FLOR, SLO DULL MLKY BLU CUT, THN MLKY BLU RES RNG

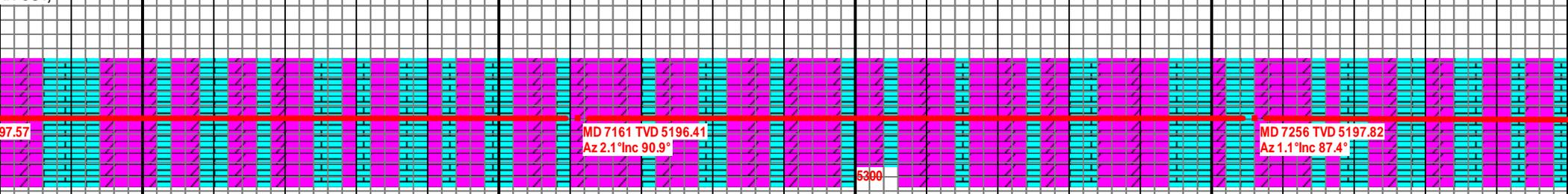
WOB: 18.4 K

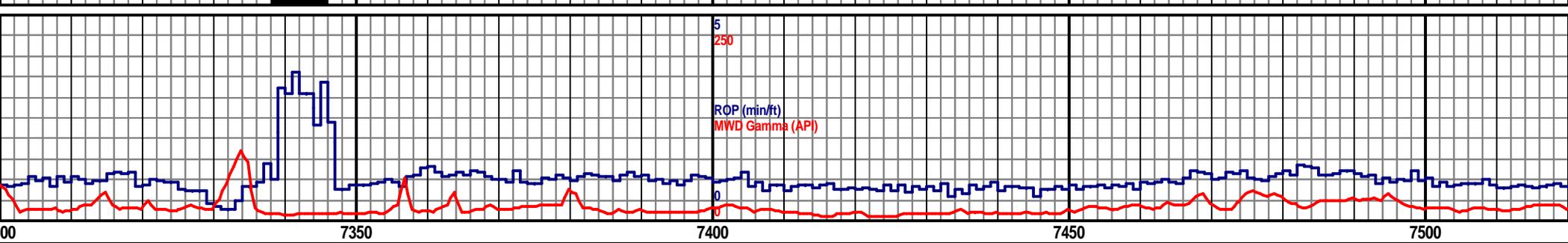
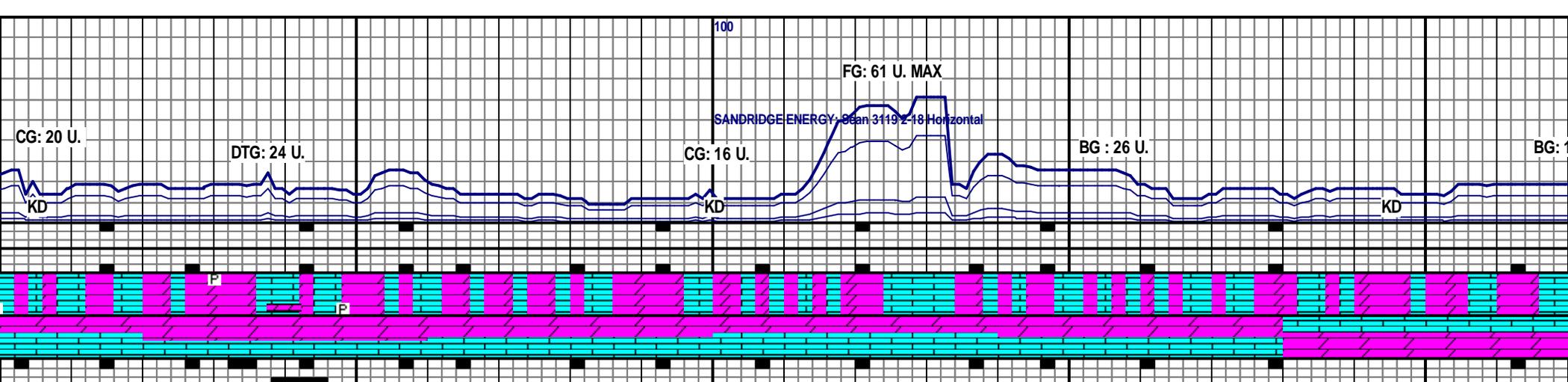
RPM: 61

SPM: 85

PP: 1925

DOL: PRED CRM TO WHT, OFF WHT TO LT TAN, SME OFF WHT TO LT GY, SCAT OFF WHT TO BF, MSTLY BLKY, CHNKY, OC PLTY, MICRO F TO V F XLN, CHLKY, MOD SFT TO MOD FRM, SME SFT, SCAT FRM TO BRIT, LS: PRED WHT TO OFF WHT, SME CRM TO LT GY, MICRO F TO V F XLN, MOD SFT TO MOD FRM, OC BRIT, PYR THRU OUT, FR YEL/GLD FLOR, SLO FNT MLKY YEL CUT, THN BRI WHTISH GRN RES RNG

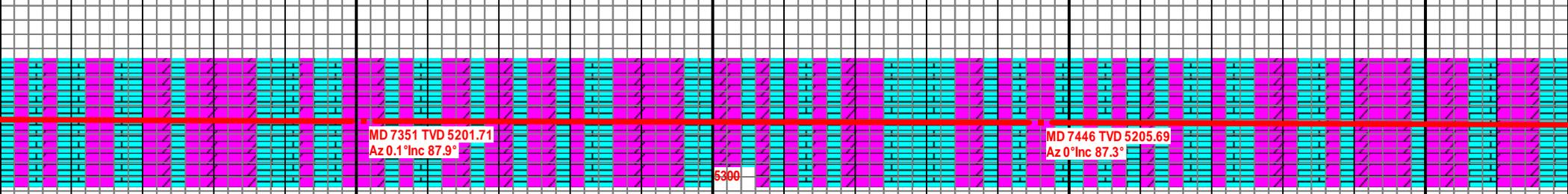


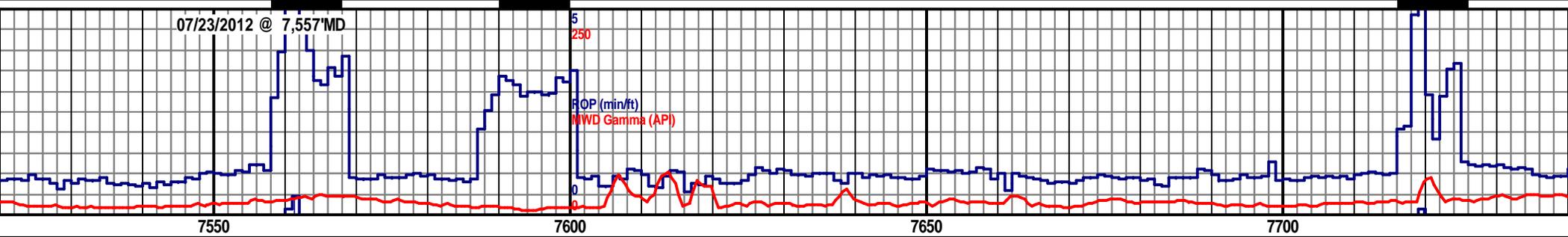
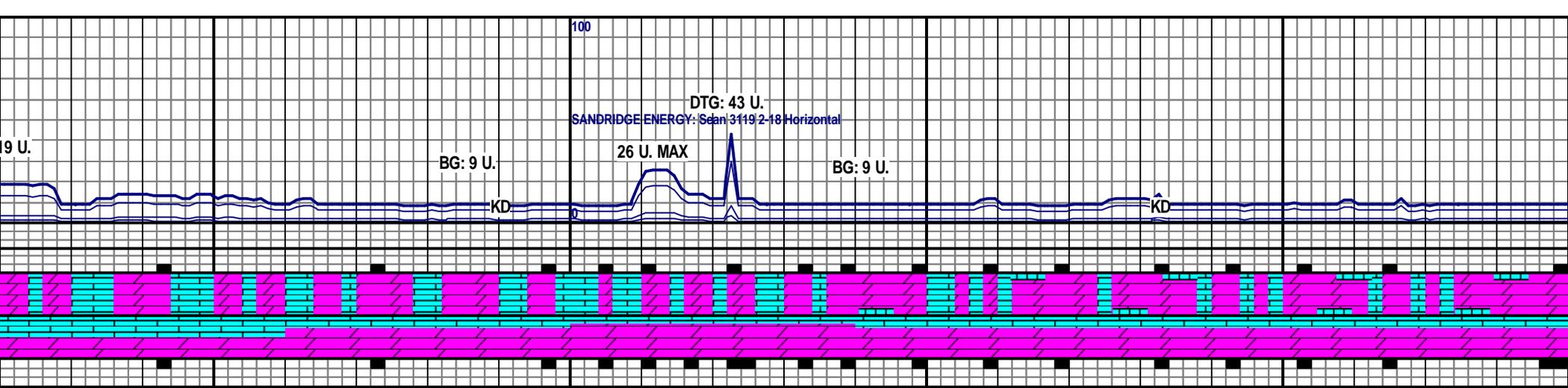


00 DOL: MSTLY CRM TO BF, OFF WHT TO LT TAN, SME OFF WHT TO LT GY, SCAT OFF WHT TO CRM, CHNKY, MICRO F TO V F XLN, SFT TO MOD FRM, OC FRM TO BRIT, LS: PRED OFF WHT TO LT TAN, SME CRM TO LT GY, MSTLY MICRO F TO V F XLN, TR CRP XLN, SFT TO MOD FRM, SCAT BRIT, PYR THRU OUT, DULL GLD FLOR, V SLO FNT MLKY BLU CUT, THN DULL MLKY YEL RES RNG

480' LS: PRED OFF WHT TO LT TAN, OFF WHT TO BF, SME CRM TO LT GY, MSTLY MICRO F TO V F XLN, TR CRP XLN, SFT TO MOD FRM, SCAT FRM TO BRIT, HL FRAC POR DOL: MSTLY CRM TO LT TAN, OFF WHT TO LT BF, SME OFF WHT TO LT GY, TR OFF WHT TO CRM, MICRO F TO V F XLN, MOD SFT TO MOD FRM, OC FRM TO BRIT, DULL GLD FLOR, FNT MLKY BLU CUT, THN DULL MLKY YEL RES RNG

WOB: 22 K. LS: MSTLY C RPM: 85 PRED MICRO SPM: 63 DOL: MSTLY PP: 2200 MOD FRM, OC



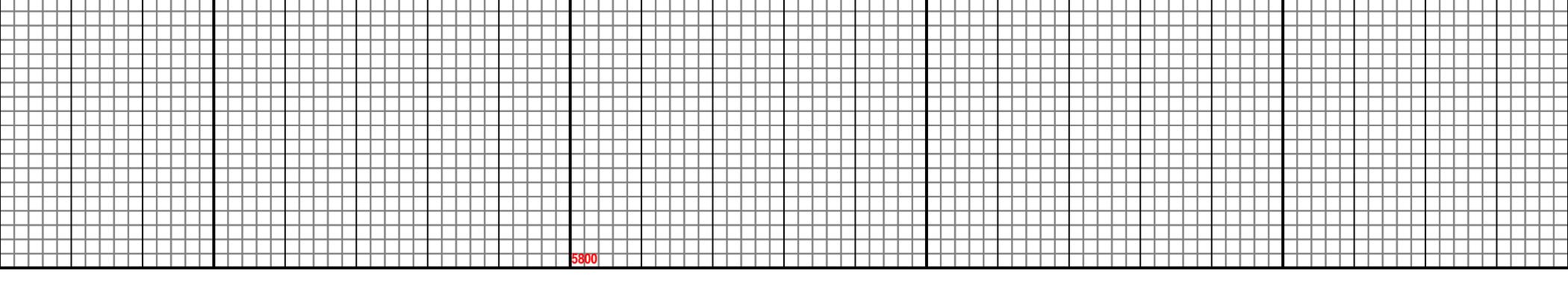


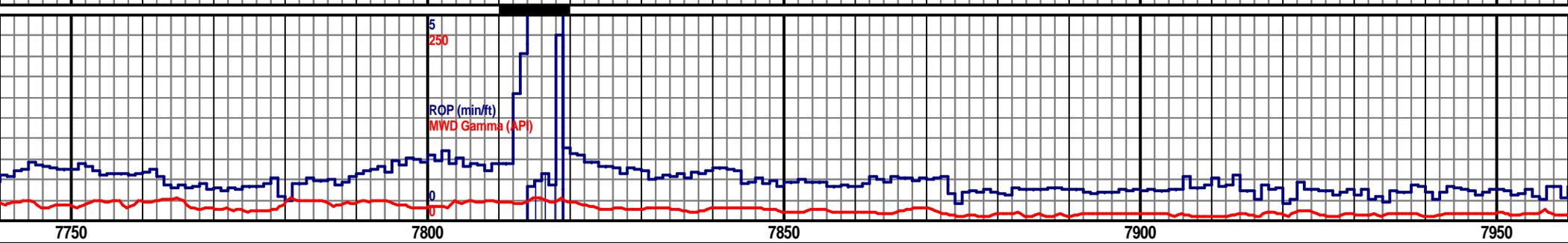
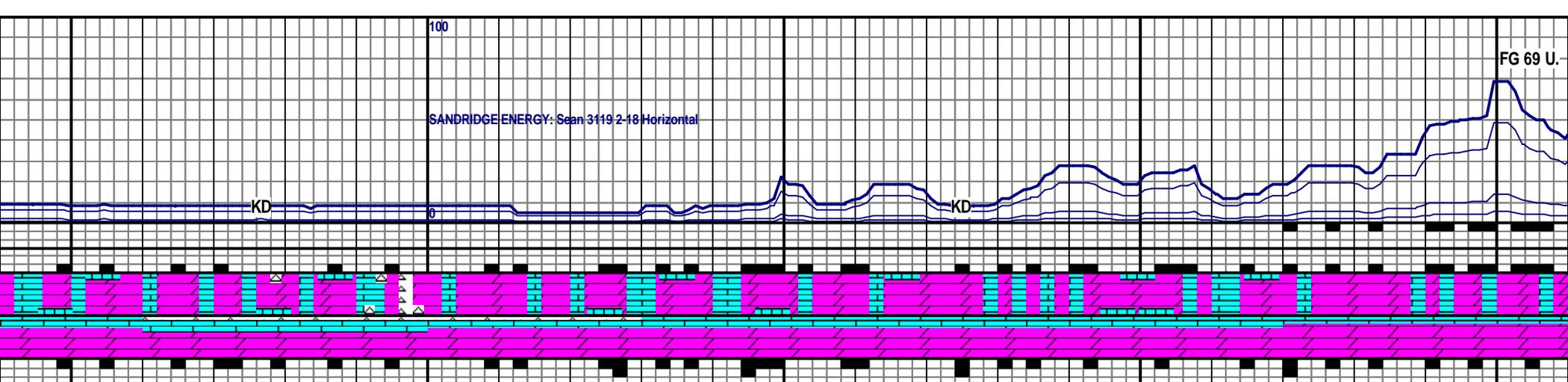
4800 TVD

FROM TO LT TAN, OFF WHT TO BF, OC CRM TO LT GY, MSTLY BLKY, CHNKY,  
F TO V F XLN, MOD SFT TO MOD FRM, SCAT FRM TO BRIT, OC HL FRAC POR,  
CRM TO LT TAN, SME OFF WHT TO LT GY, MICRO F TO V F XLN, MOD SFT TO  
C FRM TO BRIT, DULL GLD-YEL FLOR, NO VIS CUT, NO VIS RES RNG

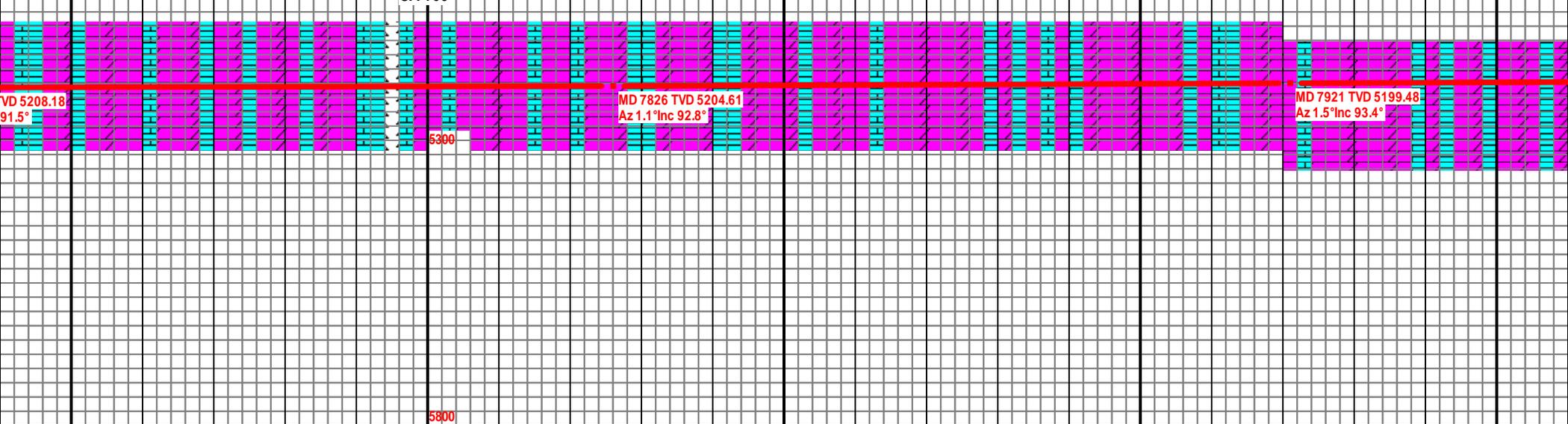
DOL: PRED OFF WHT- LT TAN, INCRG LT TAN, OCC WHT, TR LT GY, MSTLY  
BLKY, PRED MOD FRM- MOD SFT, MSTLY MICRO FN XLN, SCAT V FN XLN  
THRU OUT, DNSE, LS: PRED OFF WHT, OCC LT TAN, TR WHT, PRED BLKY,  
MSTLY FRM- MOD FRM, OCC CHLKY, MICRO FN- V FN XLN, TR BRI YEL FLOR,  
NO VIS CUT, NO RESD RING

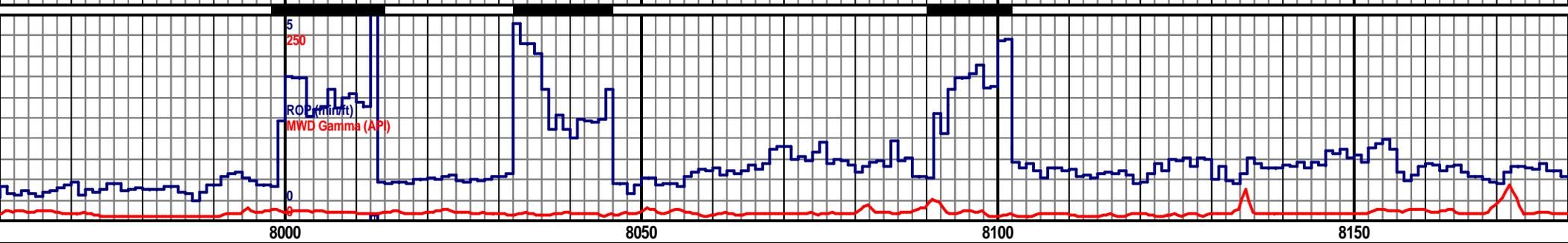
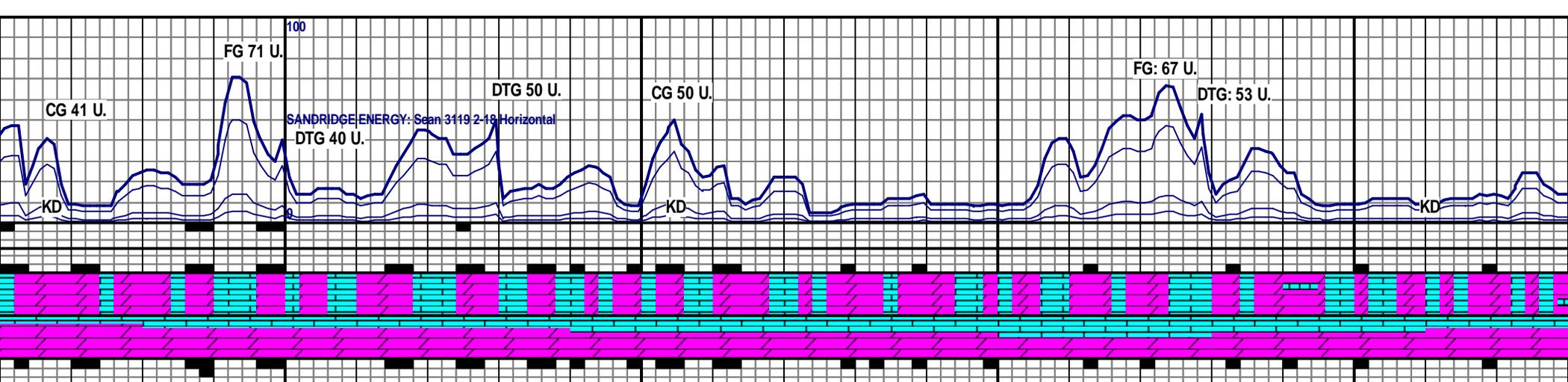
DOL: PRED OFF WH  
BLKY, MSTLY MOD  
XLN, SCAT V FN- FN  
SCAT WHT, SME LT  
CHLKY, MICRO FN-  
VIS CUT, NO RESD





<p>IT- LT TAN, SCAT WHT, DCRG TR GY, PRED FRM- MOD SFT, TR FRM, PRED MICRO FN XLN THRU OUT, DNSE, LS: PRED OFF WHT, TAN, MSTLY BLKY, PRED MOD FRM- FRM, V FN XLN, LITHO, FNT TR BRI YEL FLOR, NO RING</p>	<p>WOB: 19.9 K. <b>4800 TVD</b> RPM: 51 MUD DATA- @ 7,849' SPM: 86 WT-8.6 VIS-28 PV-1 PP: 2169 YP-1 GEL 1/1 FIL-60.0 SOL- 2.0 H2O-98.5 PH-8.5 CL-42,000 CA-160</p>	<p>DOL: MSTLY OFF WHT- LT TAN, DCRG SCAT WHT, PRED BLKY, MSTLY MOD FRM- MOD SFT, TR FRM, PRED MICRO FN XLN, SME V FN- FN XLN THRU OUT, DNSE, LS: MSTLY OFF WHT, SCAT WHT, SME LT TAN, MSTLY BLKY, PRED MOD FRM- FRM, CHLKY, MICRO FN- V FN XLN, LITHO, FNT TR BRI YEL FLOR, NO VIS CUT, NO RESD RING</p>	<p>DOL: PRED LT TAN- OFF WHT, SME MED TAN, T PRED MOD FRM- MOD SFT, MSTLY MICRO FN XLN DNSE, TR HL FRAC POR, LS: PRED OFF WHT- L BLKY, TR PLTY, MSTLY MICRO FN- V FN XLN, LI OCC BRIT/CHLKY, TR HL FRAC POR, INCRG SC MLKY BLU CUT, MLKY BLU/GRN RESD RING</p>
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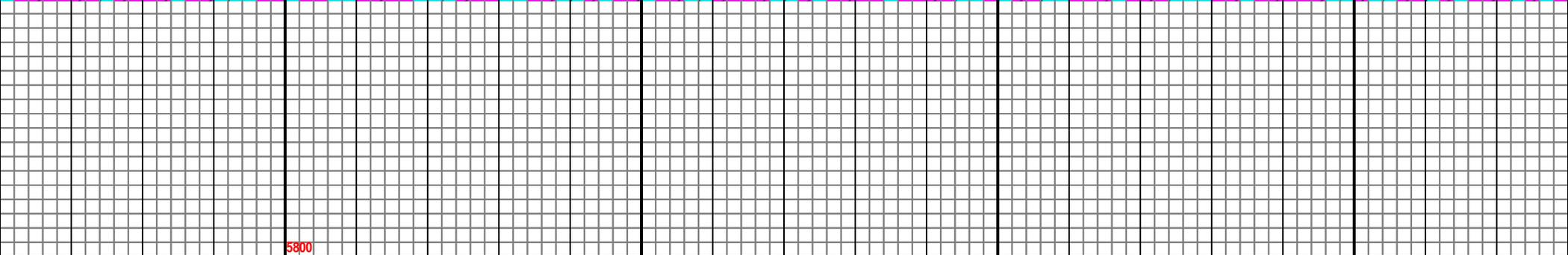
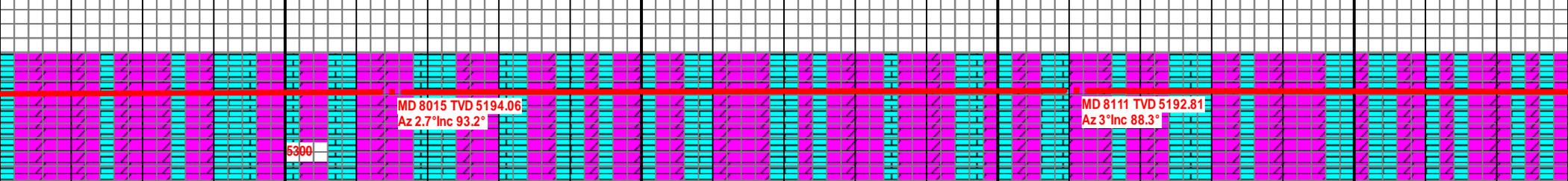
R WHT, MSTLY BLKY,  
LN, SME V FN XLN,  
T TAN, OCC WHT, PRED  
THO, MOD FRM- FRM,  
AT BRI YEL FLOR, FNT

4800 TVD

DOL: MSTLY CRM TO LT TAN, SME OFF WHT TO LT BF, OC OFF WHT TO CRM, PRED CHNKY,  
SCAT PLTY, MICRO F TO V F XLN, OC F XLN, SME CHLKY, MOD SFT TO MOD FRM, LS: PRED  
OFF WHT TO LT TAN, SME OFF WHT TO CRM, SCAT CRM TO LT GY, MICRO F TO V F XLN,  
OC CHLKY, MOD FRM TO FRM, HL FRAC POR, SCAT BRI YEL FLOR, NO VIS CUT, NO VIS RES  
RNG

WOB: 49 K.  
RPM: 0  
SPM: 86  
PP: 2000

DOL: PRED OFF WHT TO LT TAN, OC OFF WHT TO BF, SCAT OFF WHT TO  
MICRO F TO V F XLN, OC F XLN, MOD SFT TO MOD FRM, SME SFT, LS: P  
TO LT TAN, SME OFF WHT TO BF, SCAT CRM TO LT GY, MICRO F TO V F X  
CHLKY, MOD FRM TO FRM, HL FRAC POR, DULL GLD FLOR, NO VIS CUT,



100

SANDRIDGE ENERGY: Sean 3119 2-18 Horizontal

FG: 40 U. MAX

BG: 17 U.

BG: 9 U.

BG: 17 U.

CG: 12 U.

KD

KD

5

250

ROP (min/ft)

MWD Gamma (API)

8200

8250

8300

8350

8400

D CRM, CHNKY,  
RED OFF WHT  
XLN, DCRNG  
NO VIS RES RNG

4800 TVD

DOL: PRED OFF WHT TO LT TAN, SME OFF WHT TO BF, SCAT OFF WHT TO CRM, CHNKY, BLKY,  
MICRO F TO V F XLN, INCR F XLN, MOD SFT TO MOD FRM, SFT, LS: MSTLY OFF WHT TO LT  
TAN, SME OFF WHT TO BF, SCAT CRM TO LT GY, MICRO F TO V F XLN, SCAT DCRNG CHLKY,  
MOD FRM TO FRM, SME HL FRAC POR, TR GLAUC, DULL GLD FLOR, NO VIS CUT, NO VIS RES  
RNG

DOL: PRED OFF WHT TO LT TAN, OC OFF WHT TO BF, TR OFF WHT TO CRM, BLKY, MICRO F,  
SME V F, MOD SFT TO MOD FRM, SME SFT, LS: PRED OFF WHT TO LT TAN, SME OFF WHT  
TO BF, MICRO F TO V F XLN, MOD FRM TO FRM, SFT, INCR GLAUC, SCAT BRI YEL FLOR,  
SLO DULL MLKY BLU CUT, THN DULL MLKY YEL RES RNG

WOB  
RPM:  
SPM:  
PP: 2

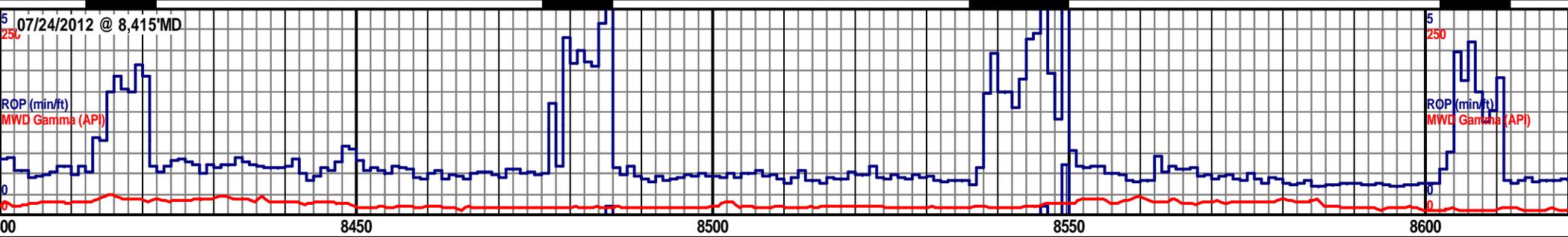
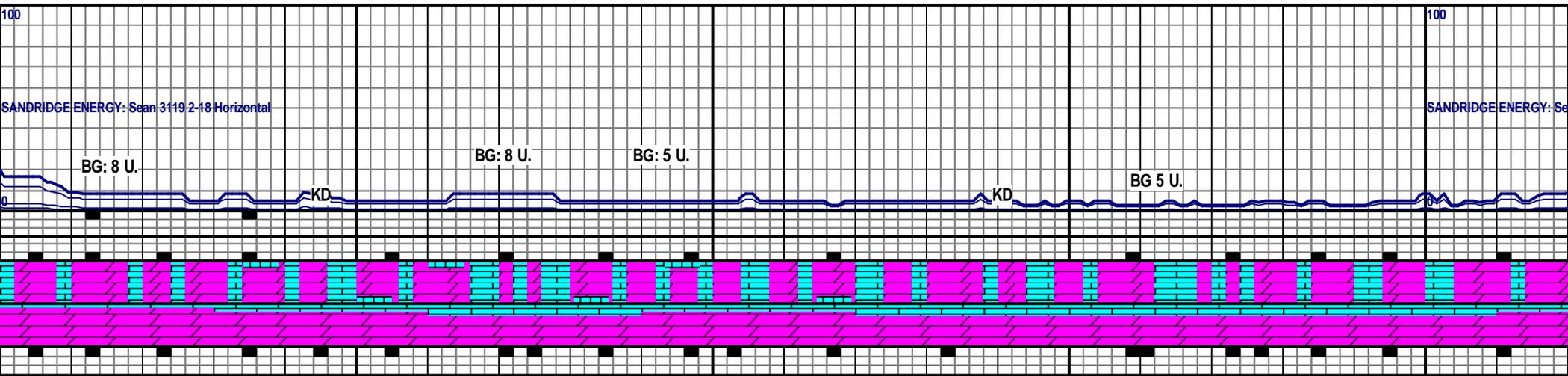
MD 8206 TVD 5195.38  
Az 3.1° Inc 88.6°

5300

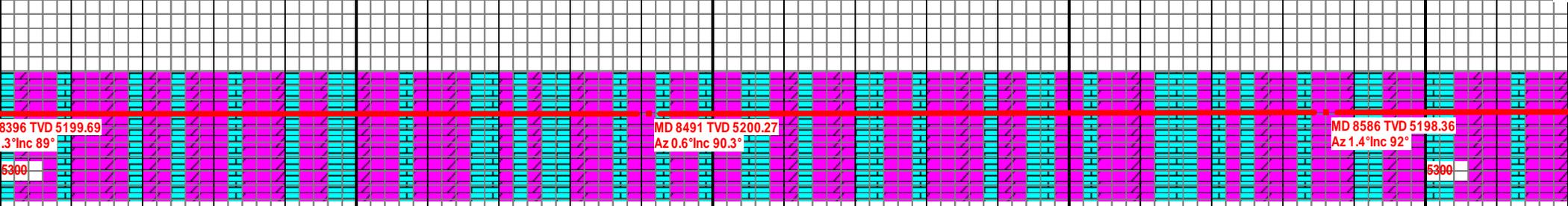
MD 8301 TVD 5197.7  
Az 2.5° Inc 88.6°

MD  
Az 1

5800



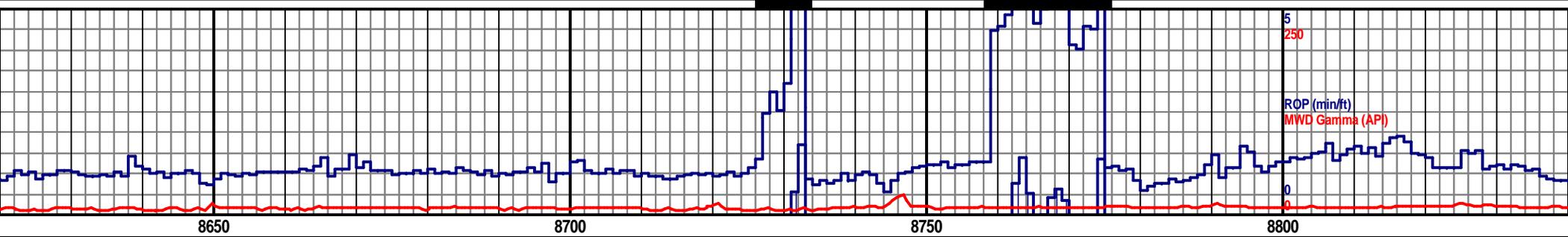
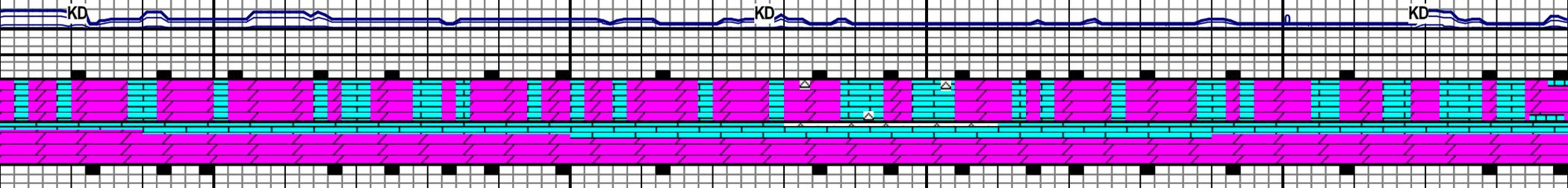
<p>4800 TVD : 13 K. 60 86 400</p> <p>DOL: PRED CRM TO LT TAN, OFF WHT TO CRM, SME OFF WHT TO BF, MSTLY CHNKY, SME PLTY, MICRO F TO V F XLN, SCAT F XLN, MOD SFT TO MOD FRM, OC FRM, LS: PRED OFF WHT TO CRM, SME CRM TO LT TAN, OC CRM TO WHT, MICRO F TO V F XLN, MOD SFT TO MOD FRM, SME SFT, PR VIS HL FRAC POR, SCAT YEL FLOR, SLO DULL MLKY BLU CUT, FNT MLKY BLU RES RING</p>	<p>DOL: MSTLY CRM- LT TAN, TR LT GY, MSTLY BLKY, TR PLTY, PRED MICRO FN- V FN XLN, MSTLY MOD SFT- MOD FRM, LS: PRED OFF WHT- WHT, SCAT LT TAN, MSTLY BLKY, MICRO FN- V FN XLN, TR FN XLN, OCC CHLKY, OCC HL FRAC POR, INCRG YEL- BRI YEL FLOR, NO VIS CUT, NO RESD RING</p>	<p>4800 TVD</p> <p>DOL: MSTLY CRM- LT TAN, TR LT GY, MSTLY BLKY, TR PLTY, PRED MICRO FN- V FN XLN, MSTLY MOD SFT- MOD FRM, LS: PRED OFF WHT- WHT, SCAT LT TAN, MSTLY BLKY, MICRO FN- V FN XLN, TR FN XLN, OCC CHLKY, OCC HL FRAC POR, INCRG YEL- BRI YEL FLOR, NO VIS CUT, NO RESD RING</p>
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<p>8396 TVD 5199.69 .3°Inc 89° 5300</p>	<p>MD 8491 TVD 5200.27 Az 0.6°Inc 90.3°</p>	<p>MD 8586 TVD 5198.36 Az 1.4°Inc 92° 5300</p>
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CG 9 U.

CG 9 U.



DOL: PRED CRM- LT TAN, TR LT GY, INCRG LT TAN, MSTLY BLKY, TR  
 TY, PRED MICRO FN- V FN XLN, MSTLY MOD SFT- MOD FRM, LS:  
 RED OFF WHT- WHT, SCAT LT TAN, MSTLY BLKY, MICRO FN- V FN  
 N, TR FN XLN, OCC CHLKY, OCC HL FRAC POR, SCAT YEL- BRI YEL  
 FLOR, NO VIS CUT, NO RESD RING

WOB: 18.4 K  
 RPM: 63  
 SPM: 86  
 PP: 2204

DOL: PRED LT TAN- OFF WHT, OCC MED TAN, MSTLT BLKY, TR PLTY, MSTLY  
 MOD FRM- MOD SFT, OCC SFT, PRED MICRO FN- V FN XLN, SME FN XLN,  
 LS: PRED LT TAN- OFF WHT, PRED BLKY, MOD FRM- FRM, OCC CHLKY,  
 MICRO FN- V FN XLN, SCAT MOD FN- MOD FN XLN, DCRG SCAT BRI YEL  
 FLOR BCMG SCAT DULL YEL FLOR, NO VIS CUT, NO RESD RING

4800 TVD  
 MUD DATA- @ 8,773' DOL: PRED LT TAN- OFF WHT  
 WT-8.6 VIS-27 PV-1 SFT, OCC SFT, PRED MICRO F  
 YP-1 GEL 1/1 WHT, PRED BLKY, MOD FRM-  
 FIL-60.0 SOL- 0.0 DULL YEL FLOR, NO VIS CUT,  
 H20-100.00. PH-11.0  
 CL-38,000 CA-240



20 SECOND GAS TEST  
@ TRAP 149 U.

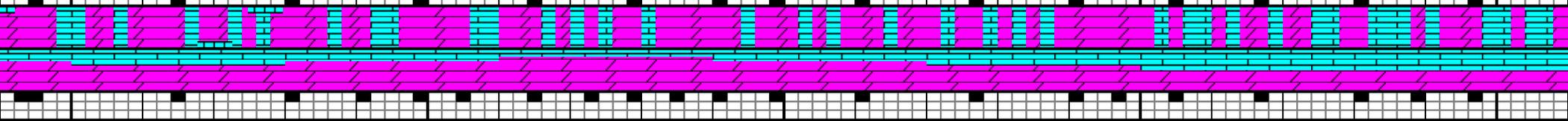
100

SANDRIDGE ENERGY: Sean 3119 2-18 Horizontal

BG: 3 U.

KD

KD



8850

8900

8950

9000

9050

5

250

ROP (min/ft)

MWD Gamma (API)

OC MED TAN, BLKY, MSTLY MOD FRM- MOD  
N- V FN XLN, SME FN XLN, LS: MSTLY LT TAN- OFF  
FRM, OCC CHLKY, MICRO FN- V FN XLN, SCAT  
NO VIS RES RING

DOL: PRED OFF WHT TO BF, SME CRM TO LT TAN, MSTLY CHNKY, OC PLTY, MICRO F TO V  
F XLN, OC F XLN, MOD SFT TO MOD FRM, OC SFT, LS: PRED CRM TO LT TAN, OFF WHT TO  
BF, MICRO F TO V F XLN, TR CRPT XLN, MOD SFT TO MOD FRM, OC FRM TO BRIT, SCAT HL  
FRAC POR, SCAT DULL YEL FLOR, NO VIS CUT, NO VIS RES RNG

WOB: 22K

RPM: 60

SPM: 85

PP: 2200

DOL: PRED LT TAN TO OFF WHT TO BF, SME CRM TO  
MSTLY CHNKY, OC PLTY, MICRO F TO V F XLN, SCAT  
SFT, LS: PRED OFF WHT TO LT TAN, OFF WHT TO BF  
V F XLN, OC CRPT XLN, MOD SFT TO MOD FRM, SME  
SCAT YEL FLOR, PR DULL MLKY BLU CUT, V PR THN

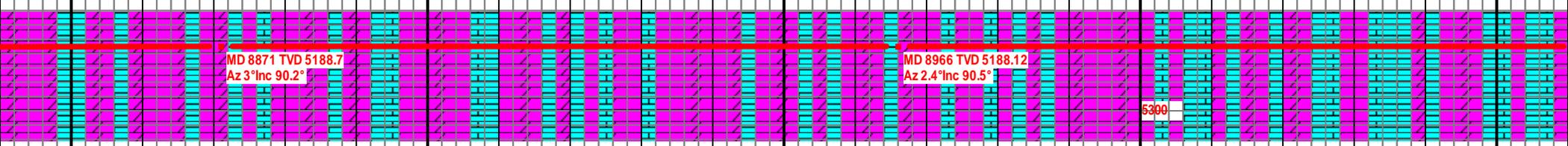
4800 TVD

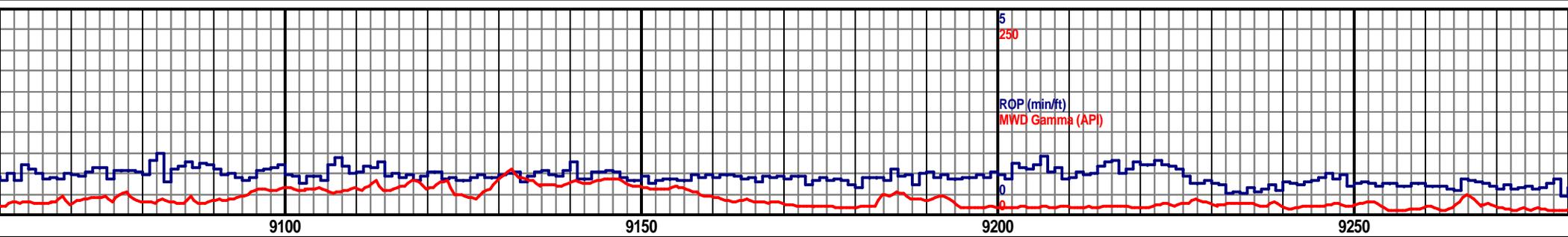
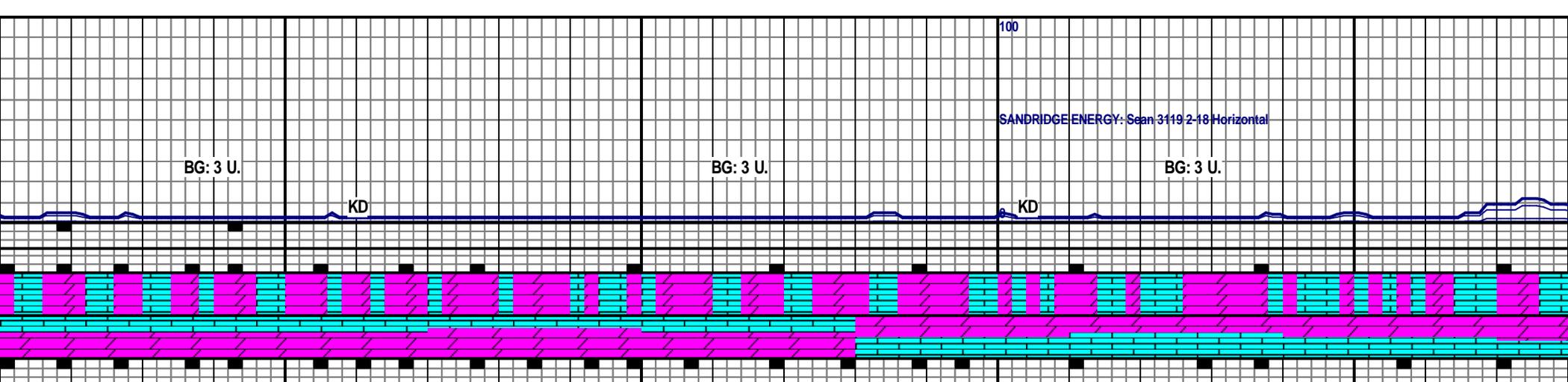
5300

MD 8871 TVD 5188.7  
Az 3° Inc 90.2°

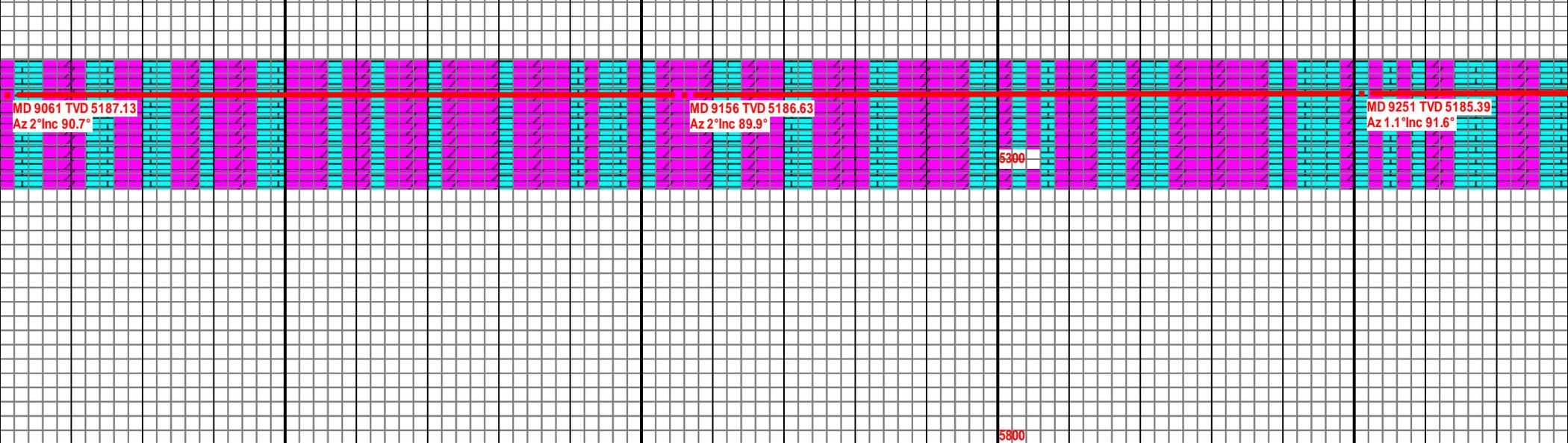
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Az 2.4° Inc 90.5°

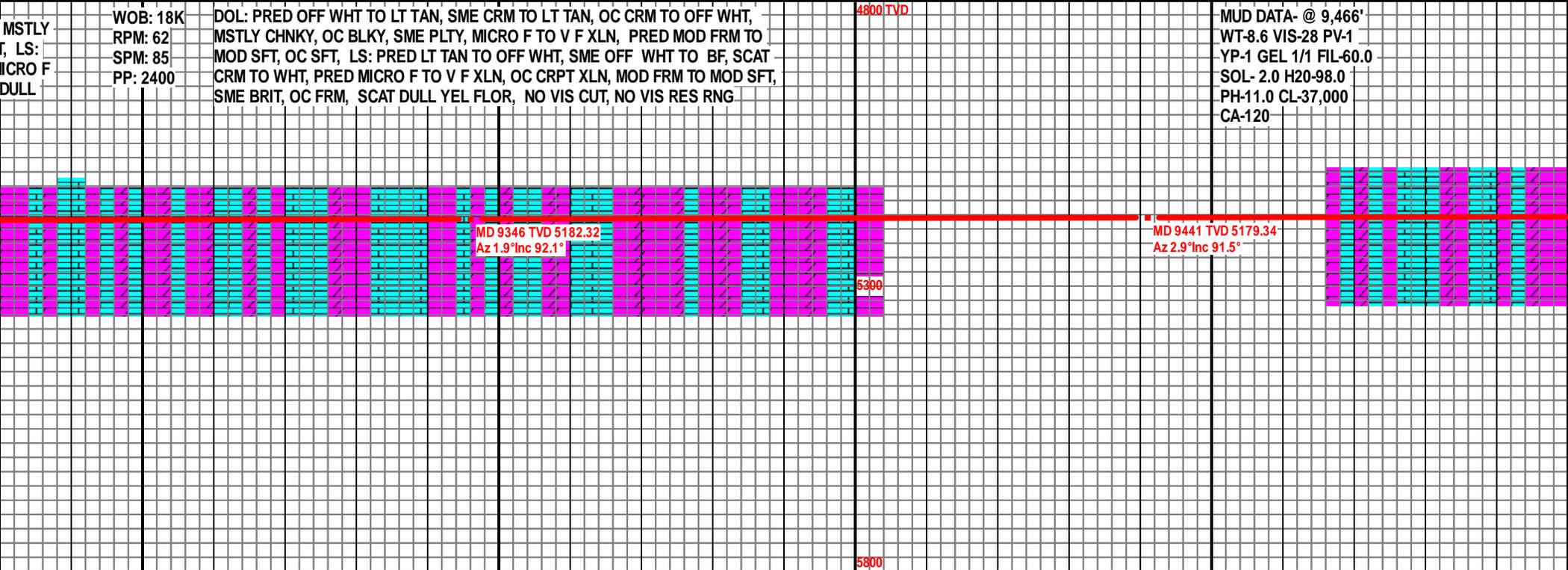
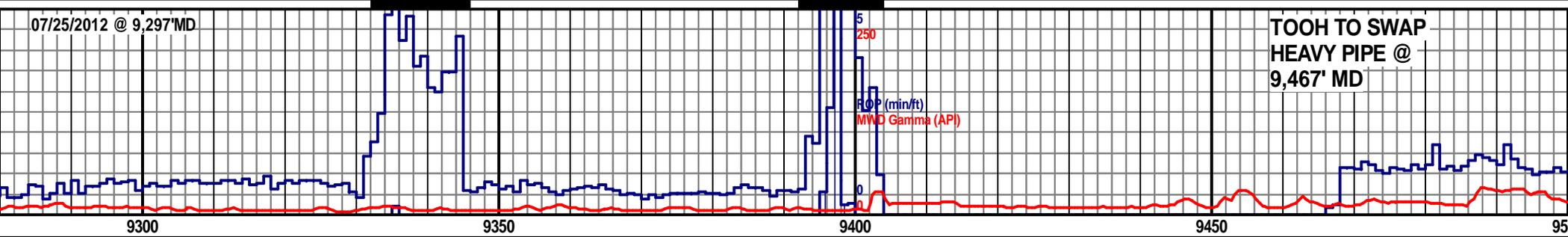
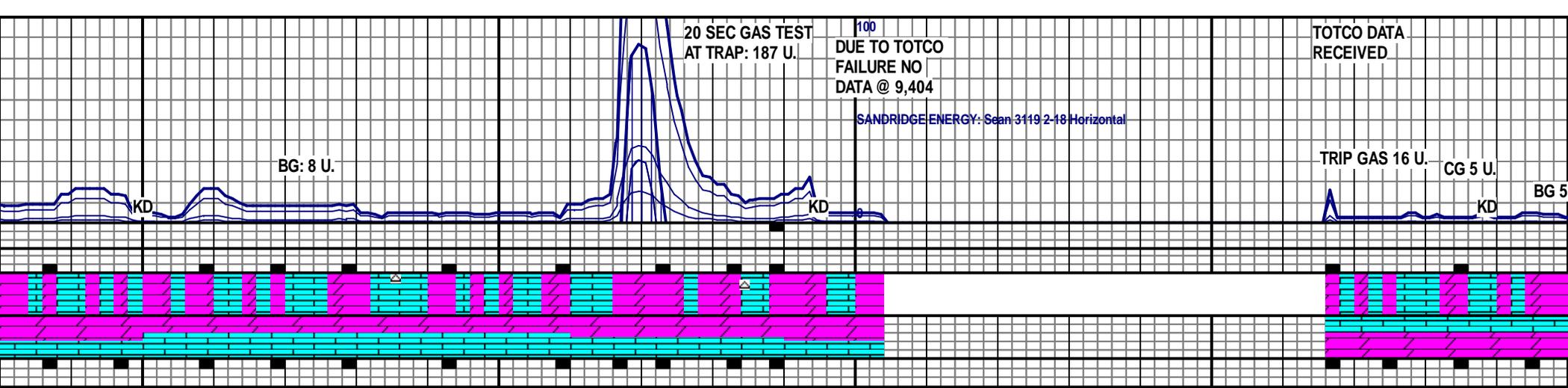
5800

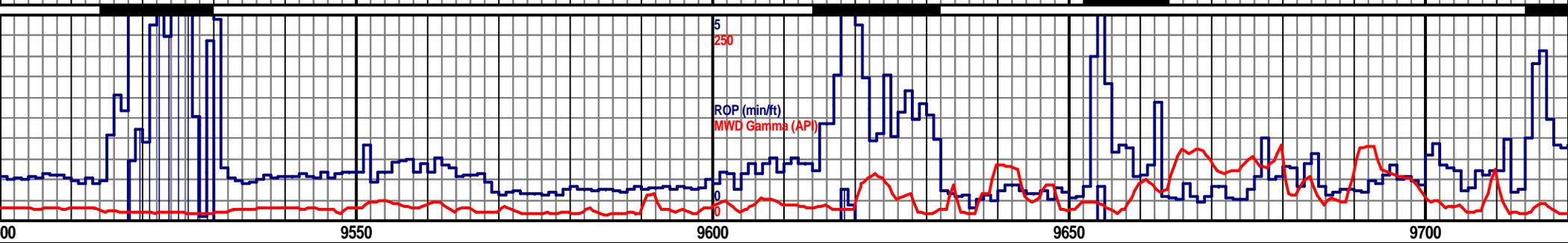
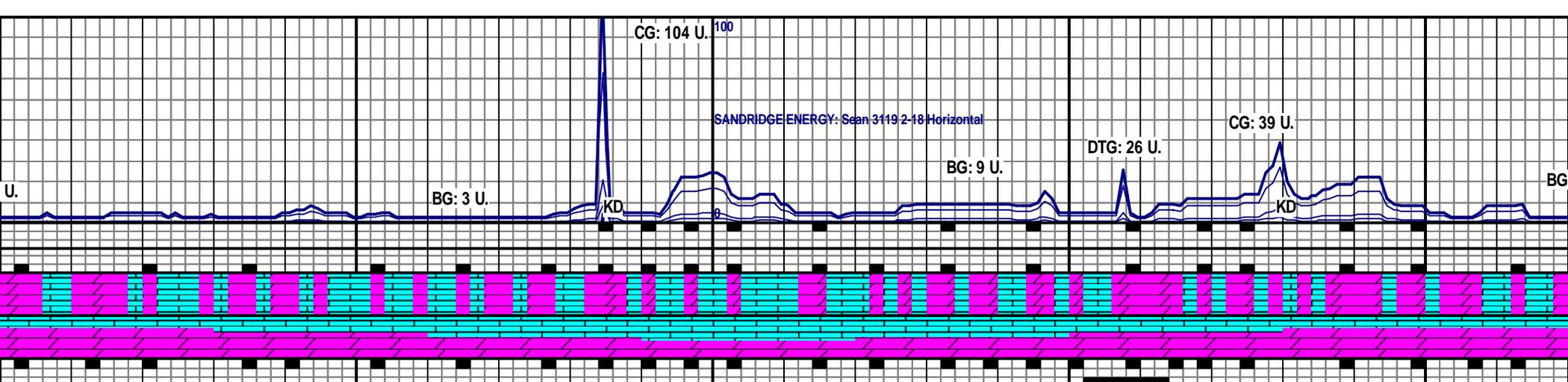




D LT TAN, OC CRM TO OFF WHT/WHT, F XLN, MOD SFT TO MOD FRM, SME SFT, SME CRM TO WHT, PRED MICRO F TO SFT, OC FRM, SCAT HL FRAC POR, MLKY YEL RES RING  
 DOL: MSTLY LT TAN TO MED TAN, SME CRM TO LT TAN, SCAT CRM TO OFF WHT/WHT, MSTLY CHNKY, OC PLTY, MICRO F TO V F XLN, MOD SFT TO MOD FRM, SME SFT, OC FRM, LS: PRED LT TAN TO BF, SME OFF WHT TO LT TAN, OFF WHT TO BF, SCAT CRM TO WHT, PRED MICRO F TO V F XLN, SCAT CRPT XLN, MOD SFT TO MOD FRM, SME SFT, OC FRM/BRIT, TR GLAUC, V SCAT YEL FLOR, NO VIS CUT, NO VIS RES RNG  
 DOL: MSTLY OFF WHT TO LT TAN, SME CRM TO LT TAN, OC CRM TO OFF WHT, CHNKY, BLKY, SME PLTY, MICRO F TO V F XLN, MOD FRM TO MOD SFT, OC SFT, PRED LT TAN TO OFF WHT, SME OFF WHT TO BF, SCAT CRM TO WHT, PRED MICRO F TO V F XLN, OC CRPT XLN, MOD FRM TO MOD SFT, SME BRIT, OC FRM, SCAT YEL FLOR, NO VIS CUT, NO VIS RES RNG





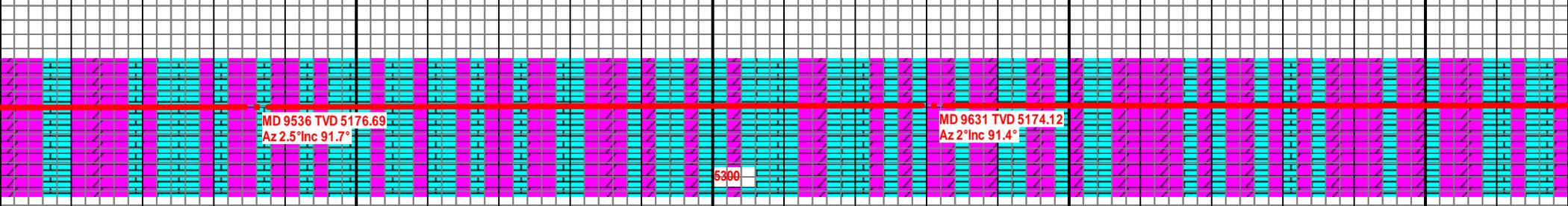


DOL: PRED OFF WHT TO LT TAN, OFF TWHT TO CRM, SCAT OFF WHT TO LT GY, MSTLY CHNKY, BLKY, OC PLTY, MICRO F TO V F XLN, MOD SFTY TO MOD FRM, SME SFT, LS: PRED OFF WHT TO LT TAN, OC CRM TO BF, SCAT CRM TO LT GY, MICRO F TO V F XLN, OC CRPT XLN, MOD SFT TO MOD FRM, SME SFT, OC BRIT, SCAT DULL YEL FLOR, NO VIS CUT, NO VIS RES RNG

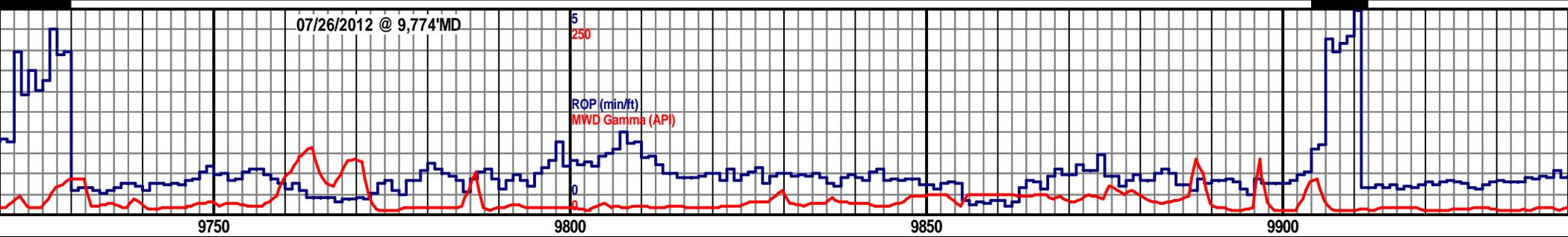
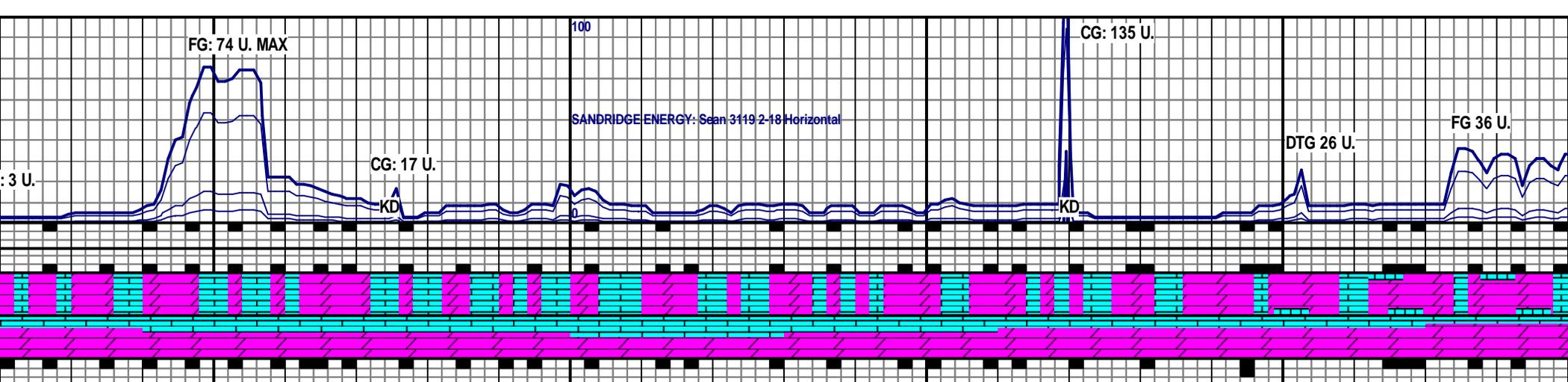
4800 TVD  
WOB: 20 K  
RPM: 60  
SPM: 85  
PP: 2200

LS: PRED OFF WHT TO LT TAN, OC CRM TO BF, SCAT CRM TO LT GY, MICRO F TO V F XLN, OC CRPT XLN, MOD SFT TO MOD FRM, SME FRM TO BRIT, OC SFT, DOL: PRED OFF WHT TO LT TAN, SME OFF WHT TO CRM, SCAT OFF WHT TO LT GY, MSTLY BLKY, OC PLTY, MICRO F TO V F XLN, SME F XLN, MOD SFT TO MOD FRM, SME SFT, SME GLAUC, TR PYR, SCAT YEL FLOR, MLKY BLU CUT

LS: PRED OFF WH CRPT XLN, MOD S SME OFF WHT TO SME F XLN, MOD S GRN CUT



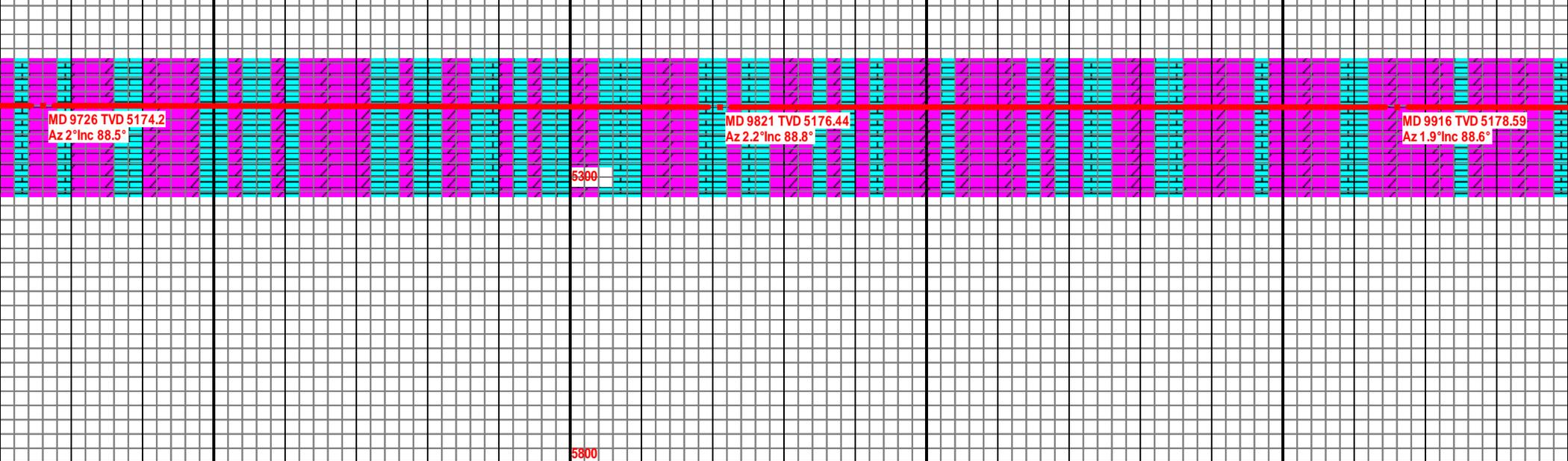
5800

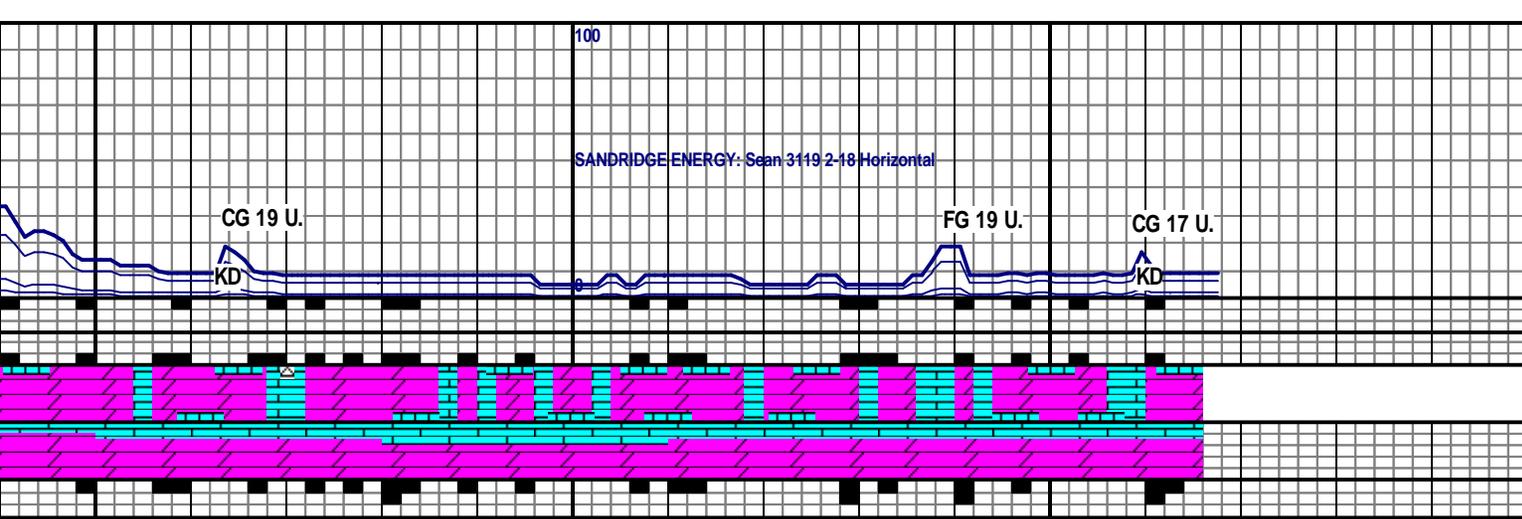


T TO LT TAN , OC CRM TO BF, SCAT CRM TO LT GY, MICRO F TO V F XLN, OC  
 FT TO MOD FRM, SME FRM TO BRIT, OC SFT, DOL: PRED OFF WHT TO LT TAN,  
 CRM, SCAT OFF WHT TO LT GY, MSTLY BLKY, OC PLTY, MICRO F TO V F XLN,  
 SFT TO MOD FRM, SME SFT, SME GLAUC, TR PYR, SCAT YEL FLOR, MLKY

4800 TVD DOL: MSTLY OFF WHT- LT TAN, INCRG LT TAN, OCC WHT, PRED MICRO FN- V FN XLN, TR WOB: 17.1 K  
 SUCRO, MSTLY MOD SFT- MOD FRM, TR FRI, PRED BLKY, TR SPLNTY, LS: PRED CRM, RPM: 60  
 SCAT LT TAN THRU OUT, MSTLY BLKY, PRED MOD FRM- MOD SFT, SME BRIT/CHLKY, SPM: 86  
 MICRO FN- V FN XLN, OCC DNSE, TR GLAU, SCAT BRI YEL- YEL FLOR, SLW BLMNG WK PP: 2444  
 GRN/BLU CUT, GRN/BLU RESD RING

DOL: PRED LT TAN- OFF WHT,  
 SUCRO, FREE CALC, MSTLY M  
 OCC WHT, MSTLY MOD FRM- M  
 CHT: WHT- OPQ, V HD- HD, TR  
 PYR, SCAT YEL- BRI YEL FLO





SANDRIDGE ENERGY: Sean 3119 2-18 Horizontal

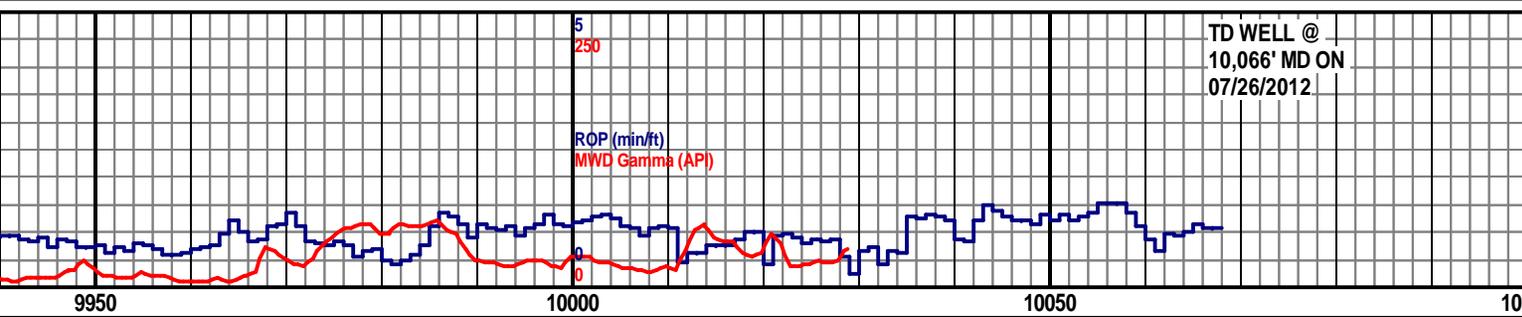
CG 19 U.

FG 19 U.

CG 17 U.

KD

KD



TD WELL @  
10,066' MD ON  
07/26/2012

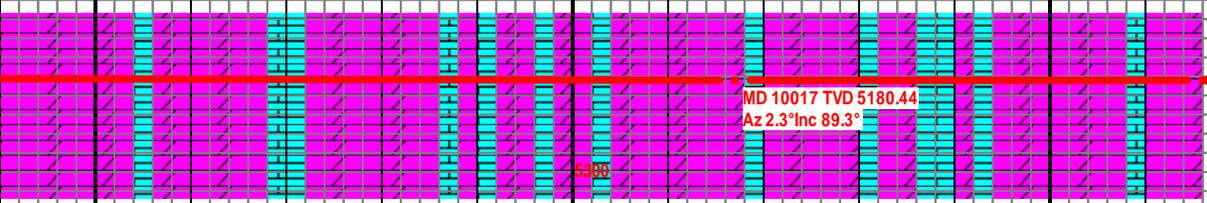
ROP (min/ft)  
MWD Gamma (API)

9950 10000 10050 10100

TR WHT, PRED BLKY, PRED MICRO FN- V FN XLN, SME  
MOD SFT- MOD FRM, SME FRI, LS: PRED OFF WHT- LT TAN,  
MOD SFT, OCC FRM, BLKY, PRED MICRO FN- V FN XLN, TR  
BRIT, BLKY- SPLNTY, PP VUG POR, TR GLAU, TR FREE  
R, FNT MLKY BLU/GRN CUT, BLU/GRN RESD RING

4800 TVD  
DOL: MSTLY LT TAN- OFF WHT, INCRG WHT, PRED BLKY, MSTLY  
MICRO FN- V FN XLN, OCC SUCRO, SCAT FREE CALC, MOD SFT-  
MOD FRM, SME FRI, LS: PRED OFF WHT- LT TAN, OCC WHT, MSTLY  
MOD FRM- MOD SFT, OCC FRM, BLKY, MSTLY MICRO FN- V FN XLN,  
TR GLAU, DCRG TR FREE PYR, SCAT YEL- BRI YEL FLOR, FNT  
MLKY BLU/GRN CUT, BLU/GRN RESD RING BCMG BLU RESD RING

SANDRIDGE ENERGY  
INC. SEAN 3119  
2-18H SEC  
19-T31S-R19W  
COMANCHE CO.  
KANSAS  
GL-2,181' KB-2,201'



MD 10017 TVD 5180.44  
Az 2.3° Inc 89.3°

PTB  
MD 10066 TVD 5181.04  
Az 2.3° Inc 89.3°

5300

5800