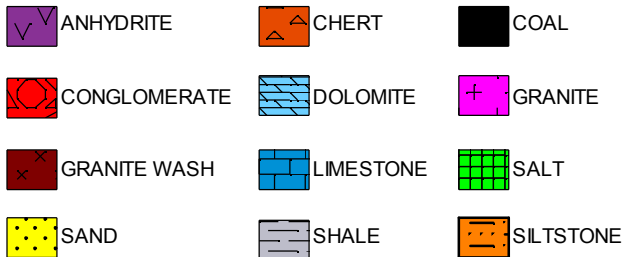


SELMAN AND ASSOCIATES, LTD.

GEOLOGICAL CONSULTING / SURFACE LOGGING SERVICES

P.O. BOX 61150 4833 SARATOGA #624 P.O. BOX 2993
MIDLAND CORPUS CHRISTI ROCK SPRINGS
TEXAS 79711 TEXAS 78413 WYOMING 82902

OFFICE (432) 563 0084 --- 24 HOURS (800) 578 1006



POROSITY - % CUT - FLUOR



Company: WEXPRO COMPANY

Well: JC DONNELL #16

Field: POWDER WASH 69800

API: 005-081-07424

Location: 2324' FNL & 1321' FWL, SWNW, Sec. 29, T-12-N, R-97-W

County: MOFFAT COUNTY

State: COLORADO

Logger: RICHARD LANDRY, BRIAN MCLEAN

Interval: 600'

To: 8999'

Date: 4/28/2008

To: 5/15/2008

Unit: 34

Well#: 4547

Kelly Bushing: 6594

Phone: 432-288-2234 / 432-385-4434

Ground Level: 6581

C-1 METH (PURPLE)

C-4 BUT (BROWN)

C-2 ETH (GREEN)

H2S (ORANGE)

C-3 PROP (DK BLUE)

CO2 (DK PURPLE)

TOTAL GAS (RED)

0-----FLARE-----100

Drill Rate (min)

Wob (kLbs)

DEPTH

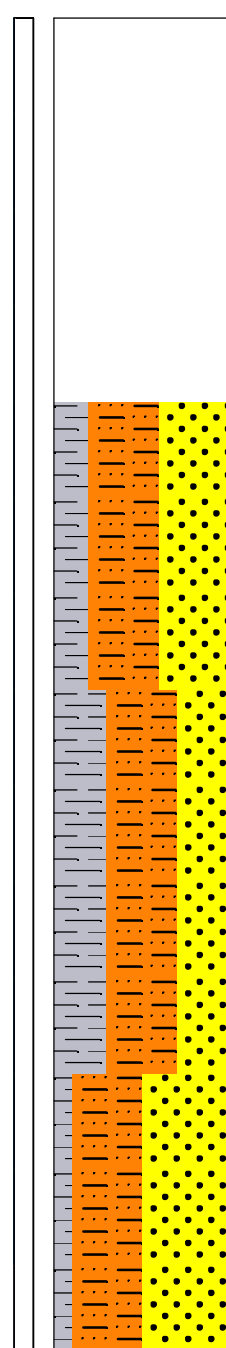
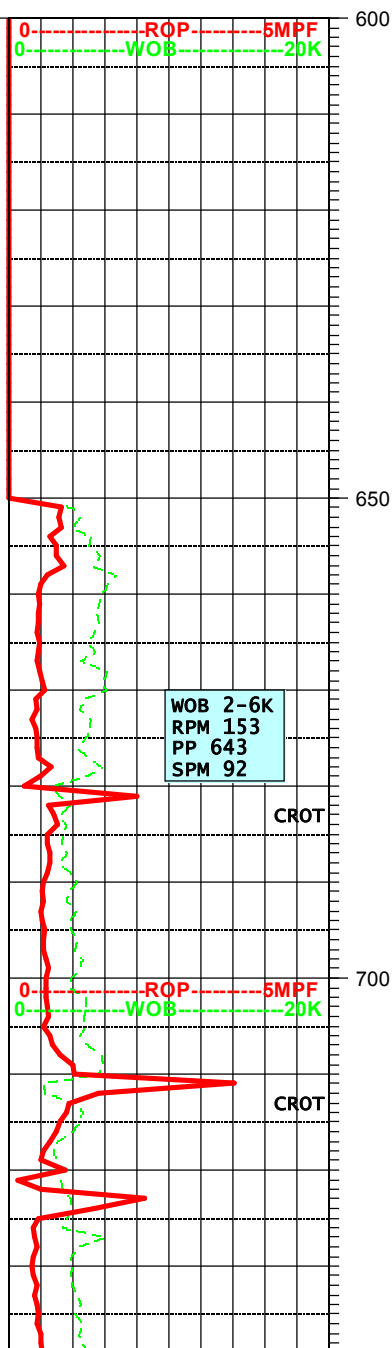
ROP

CUTTINGS

%Cut
Fluor

LITHOLOGY

GAS ANALYSIS
(UNIT)



TWO MAN OPERATION COMMENCE LOGGING IN THE WASATCH FM. ON 04/28/08 ON UNIT DRILLING RIG #137

MUD PROPERTIES: WT 8.3, VIS 27, YP 1, FILT 20, CK 2/0, CL 250, pH 9.0, Ca 40, SOL .1%

DRILLING WITH BIT 1, 7 7/8", HUGHES, JETS 5X14'S -2X13'S, IN AT 479 FT, OUT AT 7141 FT.

GAS INSTRUMENTS CALIBRATED TO SPECIFICATIONS 1% METHANE=100 units, 10% METHANE = 1000 units CHROMATOGRAPH C1=20%, C2=20%, C3=20%, iC4=20%, nC4=20%

INITIAL DRLG PARAMETERS: WOB 2-4K, SPM 64, RPM 72, PP 535 PSI, INITIAL LAG STROKES 860 STKS @ 650 FEET OR 9.2 MIN @ 72 SPM

SHALE: DKG Y-LTGY, TN, BRN, SFTMOD FRM, BLKY-SB PLTY, IREG, SLTY, AREN, OCC CARB, VS LI CALC

SILTSTONE: DK GY, BRN, LT GY, SFTMOD FRM, AMOR-SB BLKY, RTHY W/GRITT TXT & DULL LSTR

SANDSTONE: OFF WHT, GY, TRNSL, OCC CLR, MHD-HD, MOD CONS, VF-F GR, SB ANG-ANG, MOD SRTD, MOD CMTD, NSFOC

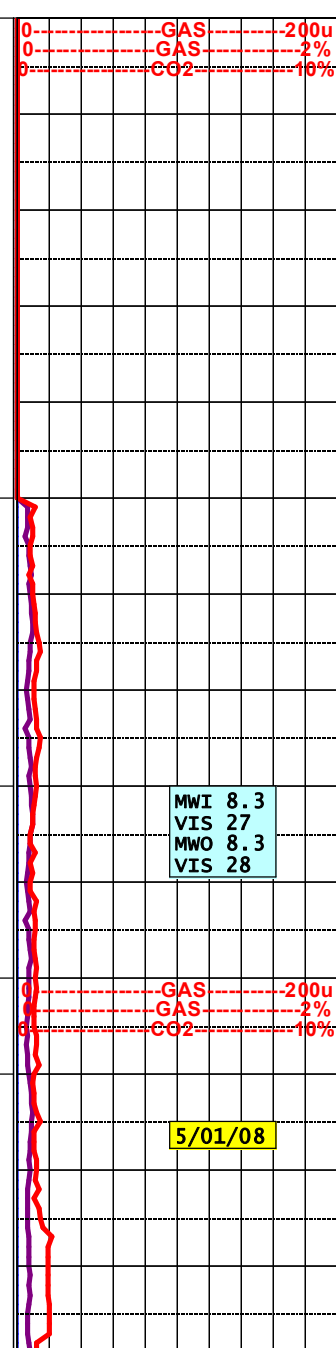
SANDSTONE: OFF WHT, GY, TRNSL, OCC CLR, MHD-HD, MOD CONS, VF-F GR, SB ANG-ANG, MOD SRTD, MOD CMTD, NSFOC

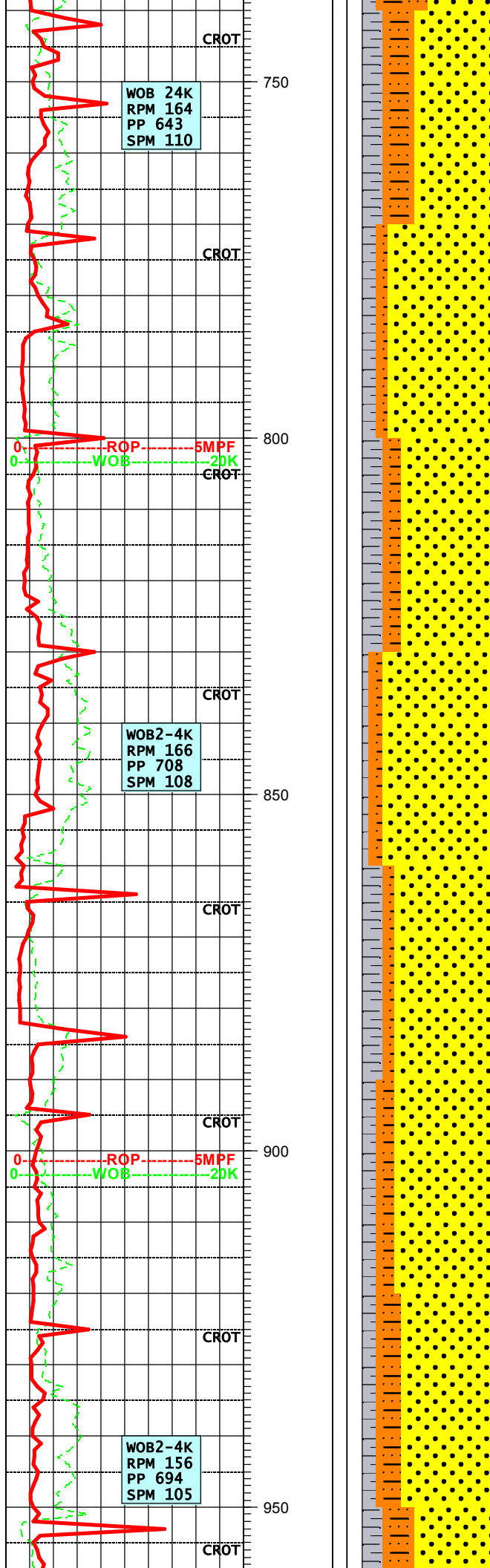
SILTSTONE: DK GY, BRN, LT GY, SFTMOD FRM, AMOR-SB BLKY, RTHY W/GRITT TXT & DULL LSTR

SHALE: DKG Y-LTGY, TN, BRN, SFTMOD FRM, BLKY-SB PLTY, IREG, SLTY, AREN, OCC CARB, VS LI CALC

SANDSTONE: OFF WHT, GY, TRNSL, OCC CLR, MHD-HD, MOD CONS, VF-F GR, SB ANG-ANG, MOD SRTD, MOD CMTD, NSFOC

SILTSTONE: DK GY, BRN, LT GY, SFTMOD FRM, AMOR-SB BLKY, RTHY W/GRITT TXT & DULL LSTR





SILTSTONE: DK GY, BRN, LT GY, SFTMOD FRM, AMOR-SB BLKY, RTHY W/GRITT TXT & DULL LSTR

SANDSTONE: OFF WHT, GY, TRNSL, OCC CLR, MHD-HD, MOD CONS, VF-F GR, SB ANG-ANG, MOD SRTD, MOD CMTD, NSFOC

SHALE: DKGY-LTGY, TN, BRN, SFTMOD FRM, BLKY-SB PLTY, IREG, SLTY, AREN, OCC CARB, VSLI CALC

SAND: OFF WHT, TRNSL, ABT LSE CLR GRNS, MOD HRD, MOD CONS, F-MED GRNS, SB ANG-SB RDD MOD SRTD, MOD CMTD NSFOC

SHALE: MED-DK GRY OCC TN, MOD HRD, SB BLKY-BLKY, SPLTNY IP, PLTY IP, OCC CARB, SLI CALC

SAND: OFF WHT, GY, TRNSL, OCC CLR, MHD-HD, MOD CONS, VF-F GR, SB ANG-ANG, MOD SRTD, SILS COMP, MOD CMTD, CALS/SILS CMTD, NSFOC

SHALE: DKGY-LTGY, TN, BRN, SFTMOD FRM, BLKY-SB PLTY, IREG, SLTY, AREN, OCC CARB, SLI CALC

SAND: TRNSL, ABTD CLR GRNS, OFF WHT IP, F-MED GRNS, SB ANG-ANG, MOD SRTD, MOD CONS, MOD CMTD, SLI CALC

SHALE: LT-DK GRY, SFT-MOD FRM, SB BLKY-BLKY, V/SLTY, PLTY IP,

SHALE: LT-MED GRY, SFT-MOD FRM, SB BLKY-BLKY, PLTY IP, V/SLTY, GRIT TXT,

SAND: CLR, TRNSL GRNS, F-MED GRNS, OFF WHT IP, SB ANG-ANG, MOD SRTD, MOD CONS, MOD CMTD, SLI CALC

SAND: OFF WHT, GY, TRNSL, OCC CLR, MHD-HD, MOD CONS, VF-F GR, SB ANG-ANG, MOD SRTD,

SANDSTONE: WH-OFFWH, GY, TRNSL, FRM-MODHD, VF-F GR, SB ANG-ANG, MOD SRTD, MOD CMTD, NSFOC

SILTSTONE: DK GY, BRN, LT GY, SFT, AMOR-SB BLKY, CONCH FRAC

SANDSTONE: OFF WHT-WHT, GY, TRNSL, CLR, FRM-MODHD, VF-F GR, SB ANG-ANG, MOD SRTD, MOD CMTD,

SILTSTONE: DKGY-GY, BRN, LT GY, SFT, SB- BLKY, CONCH FRAC

SANDSTONE: CLR TRNSL GRNS, OCC FRSTY WHT, FRM-HRD, VF-F GRNS, SB RND-RDD, MOD CONS, MOD SRTD, MOD CMTD, SLI CALC

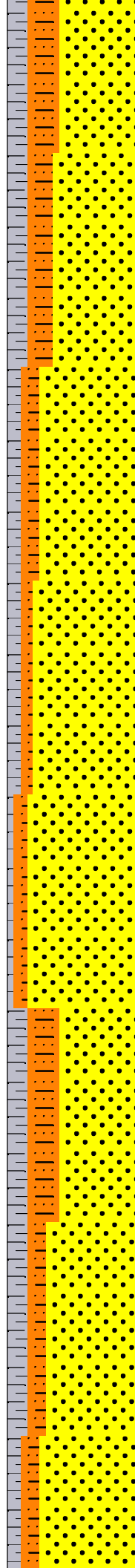
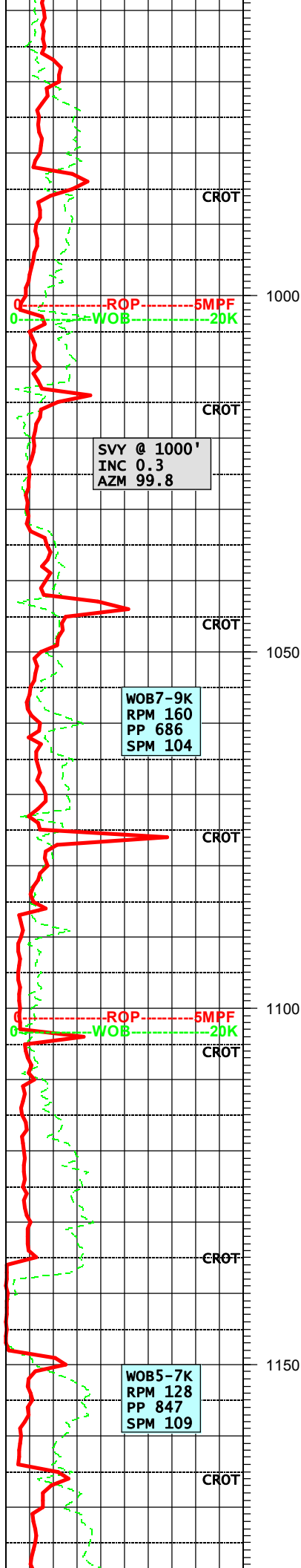
MWI 8.4+
VIS 28
MWO 8.4
VIS 28

GAS -200u
GAS -2%
CO2 -10%

MWI 8.5+
VIS 29
MWO 8.5
VIS 28

GAS -200u
GAS -2%
CO2 -10%

MWI 8.5+
VIS 29
MWO 8.5
VIS 29



MOD CMTD, SLI CALC CMT

SILTSTONE: DK GRY-TN, BRN, SFT-MOD HRD, SB BLKY, V/GRTT TXT, V/SLTY, CONCH FRAC

SHALE: LT-DK GRY, SFT-MOD FRM, SB BLKY-BLKY, PLTY IP, V/GRTTY TXT, SLTY,

SANDSTONE: TRNSL, CLR, OFF WHT IP, F-MED GRNS, SB RDD-RDD, MOD SRDT,MOD CMTD

SANDSTONE: OFF WHT-CLR, ABDT CLR LSE GRNS, MOD HRD, F-MED GRNS, SB RDD-RDD

SANDSTONE: SANDSTONE: WH-OFFWH, GY, TRNSL, FRM-MODHD, VF-F GR, SB ANG-ANG, MOD SRDT, MOD CMTD,

SILTSTONE: DKGY-GY, BRN, LT GY, SFT, AMOR-SB BLKY, CONCH FRAC

SHALE: DKGY-LTGY, TN, BRN, SFTMOD FRM, BLKY-SB PLTY, IREG, SLTY, AREN, OCC CARB, SLI CALC

SANDSTONE: OFF WHT, GY, TRNSL, OCC CLR, MHD-HD, MOD CONS, VF-F GR, SB ANG-ANG, MOD SRDT, MOD CMTD, CALCS/SILS CMT

SANDSTONE: OFF WHT-LT, GY, TRNSL, FRM-MODHD, VF-F GR, SB ANG-ANG, MOD SRDT, MOD CMTD,

SILTSTONE: DKGY-GY, BRN, LT GY, SFT, AMOR-SB BLKY, CONCH FRAC

SHALE: DKGY-LTGY, V SFT-MOD FRM, BLKY-SB PLTY, IREG, SLT, ABDNT , SLI CALC

SANDSTONE: CLR TRNSL GRNS, OCC FRSTY WHT, FRM-HRD, VF-F GRNS, SB RND-RDD, MOD CONS, MOD SRDT, MOD CMTD, SLI CALC CMT

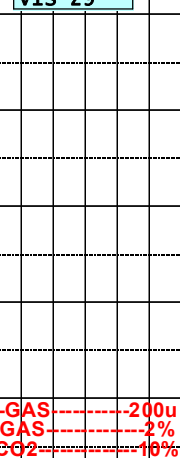
SILTSTONE: DK GRY-TN, BRN, SFT-MOD HRD, SB BLKY, V/GRTT TXT, V/SLTY, CONCH FRAC

SHALE: LT-DK GRY, SB BLKY-BLKY, V/GRTT TXT, V/SLTY, PLTY IP, SFT-MOD HRD, PLTY IP NON CALC

SANDSTONE: TRNSL-CLR, OFF WHT IP, F-MED GRNS, ABDNT F/GRNS, MOD HRD, SB RDD-RDD, MOD SRDT, MOD CMTD, MOD CONS, SLI CALC CMT

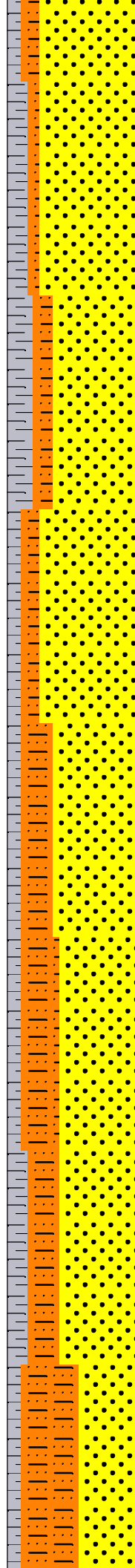
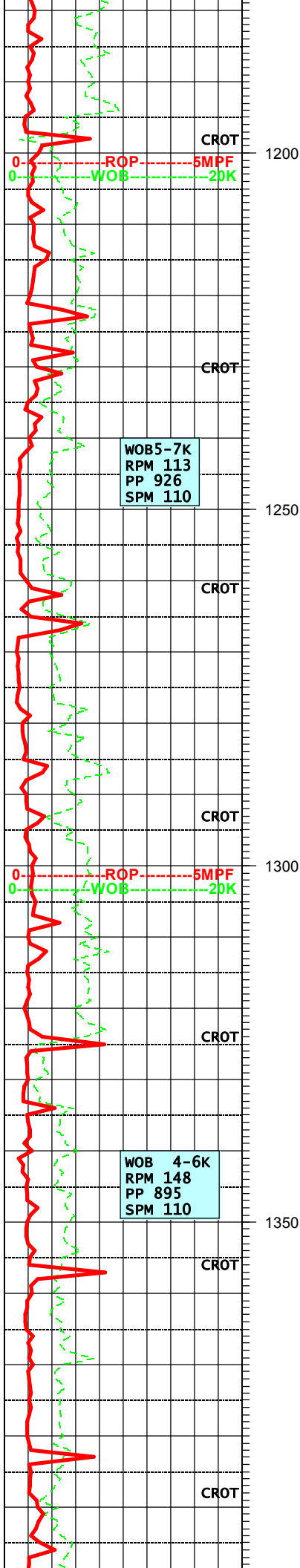
SANDSTONE: LT GRY-OFF WHT, CLR TRNSL GRNS, FRM-HRD VF-MED GRNS, SB RDD-RDD, MOD SRD MOD CONS, MOD CMTD SLI CALC CMT

SHALE: MED-DK GRY, SFT-MOD FRM, PLTY IP, V/SLTY, SB BLKY-BLKY NON CALC CMT.



MWI 8.7+
VIS 31
MWO 8.7
VIS 31

GAS -200u
GAS -2%
CO2 -10%



SANDSTONE: TRNSL CLR GRNS, OCC FRSTY WHT, VF-MED GRNS, SB RDD-RDD MOD SRTD, MOD CMTD

SHALE: LT-DK GRY SFT-MOD FRM, BLKY-SB BLKY, V/GRTT TXT, SLTY, PLTY IP, DLL LSTR,

SANDSTONE: OFF WHT-LT GRY, ABDNT TRNSL., F-MED GRNS, SB RDD-RDD, MOD SRTD MOD CONS SLI CALC CMT

SANDSTONE: TRNSL, OFF WHT, GRY, CLR, MHD-HD, MOD CONS, F-MED GR, SB ANG-SB RNDD, MOD SRTD, SILS COMP, MOD CMTD

SHALE: DKGY-LTGY, V SFT-MOD FRM, BLKY-SB PLTY, IREG, SLT, ABDNT CLAY, SLI CALC

SILTSTONE: DK GY, BRN, LT GY, SFT--MOD FRM, AMOR-SB BLKY, SME CONCH FRAC

SHALE: DKGY-LTGY, TN, BRN, SFTMOD FRM, BLKY-SB PLTY, IREG, SLTY, AREN, OCC CARB, SLI CALC

SANDSTONE: OFF WHT, GY, TRNSL, OCC CLR, MHD-HD, MOD CONS, VF-F GR, SB ANG-ANG, MOD SRTD, MOD CMTD, CALCS/SILS CMT

SANDSTONE: TRNSL, OFF WHT, GRY, CLR, F-MED GR, SB ANG-SB RNDD, MOD SRTD, MOD CONS, MOD CMTD

SHALE: DKGY-LTGY, MOD FRM, BLKY-SB PLTY, IREG, SLT,V/GRTTY TXT, DLL LSTR,SLI CALC

SANDSTONE: OFF WHT-LT GRY, TRNSL, ABDNT CLR GRNS, F-MED GRNS, SB ANG-ANG MOD CMT, MOD CONS, MOD SRTD

SANDSTONE: SANDSTONE: OFF WHT, GY, TRNSL, OCC CLR, MHD-HD, MOD CONS, VF-F GR, SB ANG-ANG, MOD SRTD, , MOD CMTD, CALC CMT,

SILTSTONE: DK GY, BRN, LT GY, SFT--MOD FRM, AMOR-SB BLKY, RTHY W/GRITT TXT & DULL ,V/GRTTY TXT

SILTSTONE: DK GY, BRN, LT GY, SFT--MOD FRM, AMOR-SB BLKY, RTHY W/GRITT TXT & DULL ,V/GRTTY TXT

SANDSTONE: LT GRY-OFF WHT, FRSTY IP, ABDNT CLR LSE GRNS, F-MED GRNS, SB ANG-SB RDD, MOD SRTD, MOD CMTD, MOD CONS, SLI CALC CMT

SHALE: DKGY-LTGY, TN, BRN, SFTMOD FRM, BLKY-SB PLTY, IREG, SLTY, ARG, V CLAYEY, SLI CALC

SANDSTONE: OFF WHT, GY, TRNSL, OCC CLR, MHD-HD, MOD CONS, VF-F GR, SB ANG-ANG, MOD SRTD, SILS COMP, MOD CMTD, CALS/SILS CMTD, NSFOC

SILTSTONE: DK GY, BRN, LT GY, SFT--MOD FRM, AMOR-SB BLKY, RTHY W/GRITT TXT & DULL , CONCH FRAC

GAS -200u

GAS -2%

CO2 -10%

MWI 8.8+

VIS 31

MWO 8.8

VIS 41

GAS -200u

GAS -2%

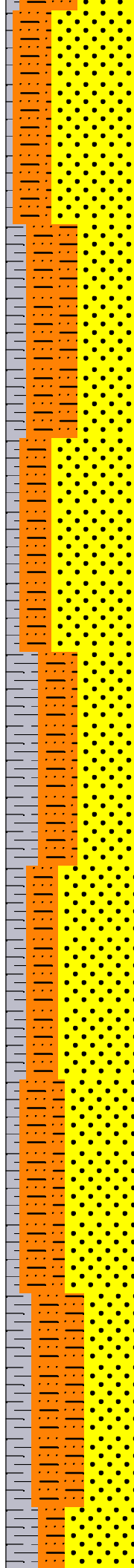
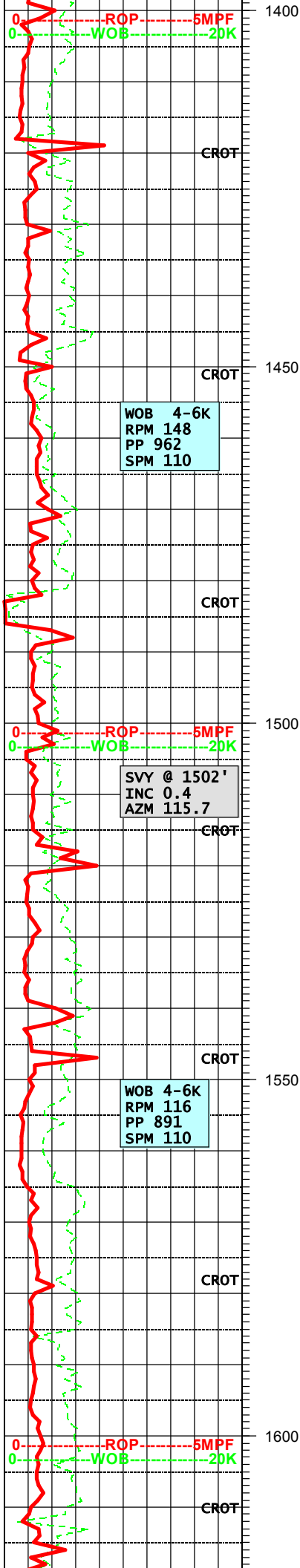
CO2 -10%

MWI 8.8

VIS 31

MWO 8.8

VIS 31



SANDSTONE: OFF WHT, GY, TRNSL, OCC CLR, MHD-HD, MOD CONS, VF-F GR, SB ANG-ANG, MOD SR TD, SILS COMP, MOD CMTD, CALS/SILS CMTD, NSFOC

SILTSTONE: DK GY, BRN, LT GY, SFT--MOD FRM, AMOR-SB BLKY, RTHY W/GRITT TXT & DULL , CONCH FRAC

SANDSTONE: OFF WHT, GY, TRNSL, OCC CLR, MHD-HD, MOD CONS, VF-F GR, SB ANG-ANG, MOD SR TD, SILS COMP, MOD CMTD, CALS/SILS CMTD

SILTSTONE: DK GY, BRN, LT GY, SFT, AMOR-SB BLKY, RTHY W/GRITT TXT & DULL

SHALE: DKG Y-LTGY, SFTMOD FRM, BLKY-SB PLTY, IREG, SLTY, ARG, V CLAYEY, SLI CALC

SANDSTONE: OFF WHT, GY, TRNSL, OCC CLR, MHD-HD, MOD CONS, VF-F GR, SB ANG-ANG, MOD SR TD, SILS COMP, MOD CMTD

SILTSTONE: DK GY, BRN, LT GY, SFT--MOD FRM, AMOR-SB BLKY, CONCH FRAC

SHALE: DKG Y-LTGY, TN, BRN, SFTMOD FRM, BLKY-SB PLTY, ARG, V CLAYEY, SLI CALC

SHALE: DKG Y-LTGY, TN, BRN, SFTMOD FRM, BLKY-SB PLTY, ARG, V CLAYEY, SLI CALC

SANDSTONE: OFF WHT, GY, TRNSL, OCC CLR, MHD-HD, MOD CONS, VF-F GR, SB ANG-ANG, MOD SR TD, SILS COMP, MOD CMTD, CALS/SILS CMTD

SILTSTONE: DK GY, BRN, LT GY, SFT, AMOR-SB BLKY, RTHY W/GRITT TXT & DULL

SHALE: DKG Y-LTGY, SFTMOD FRM, BLKY-SB PLTY, IREG, SLTY, ARG, V CLAYEY, SLI CALC

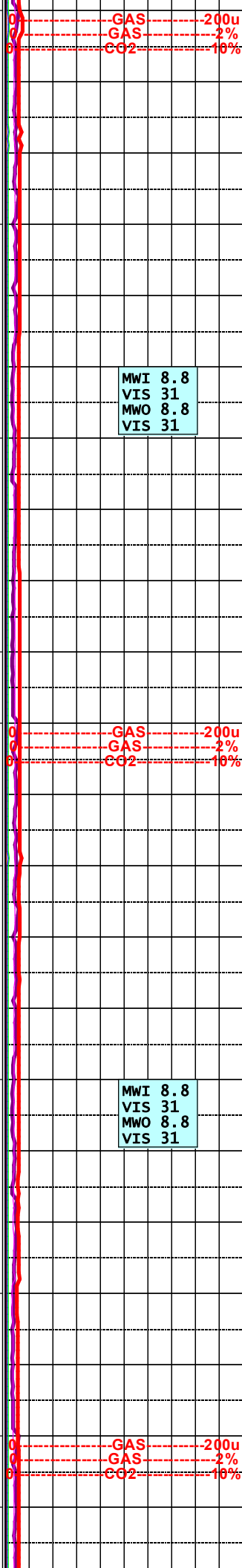
SHALE: DKG Y-LTGY, TN, BRN, SFTMOD FRM, BLKY-SB PLTY, ARG, V CLAYEY, SLI CALC

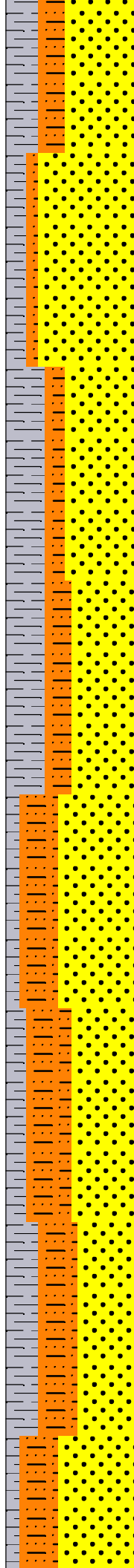
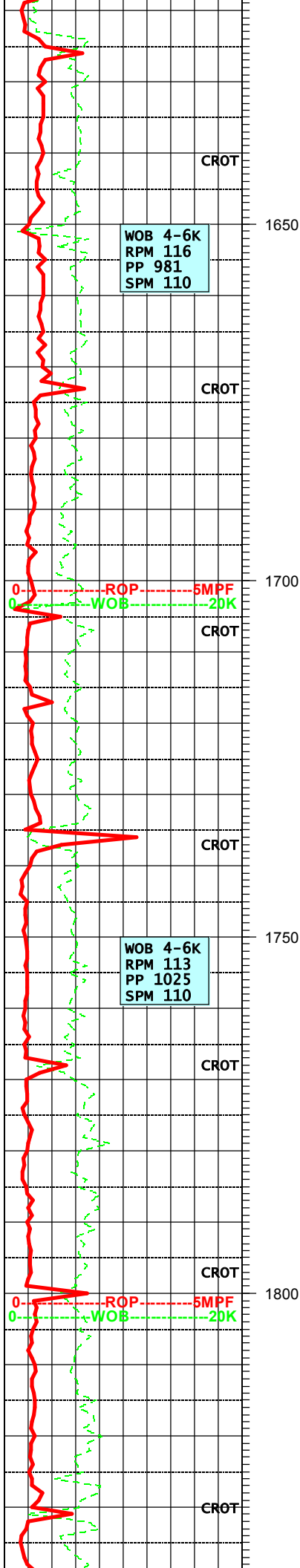
SANDSTONE: OFF WHT, GY, TRNSL, OCC CLR, MHD-HD, MOD CONS, VF-F GR, SB ANG-ANG, MOD SR TD, SILS COMP, MOD CMTD, CALS/SILS CMTD, NSFOC

SILTSTONE: DK GY, BRN, LT GY, SFT--MOD FRM, AMOR-SB BLKY, RTHY W/GRITT TXT & DULL , CONCH FRAC

SHALE: DKG Y-LTGY, TN, BRN, SFTMOD FRM, BLKY-SB PLTY, ARG, V CLAYEY, SLI CALC

SANDSTONE: OFF WHT, GY, TRNSL, OCC CLR, MHD-HD, MOD CONS, VF-F GR, SB ANG-ANG, MOD SR TD, SILS COMP, MOD CMTD, CALS/SILS CMTD, NSFOC





COMP, MOD CMTD

SILTSTONE: DK GY, BRN, LT GY, SFT--MOD FRM, AMOR-SB BLKY, CONCH FRAC

SHALE: DKGY-LTGY, TN, BRN, SFTMOD FRM, BLKY-SB PLTY, ARG, V CLAYEY, SLI CALC

SANDSTONE: OFF WHT, GY, TRNSL, OCC CLR, MHD-HD, MOD CONS, VF-F GR, SB ANG-ANG, MOD SR TD, SILS COMP, MOD CMTD, CALS/SILS CMTD

SILTSTONE: DK GY, BRN, LT GY, SFT, AMOR-SB BLKY, RTHY W/GRITT TXT & DULL

SHALE: DKGY-LTGY, SFTMOD FRM, BLKY-SB PLTY, IREG, SLTY, ARG, V CLAYEY, SLI CALC

SHALE: DKGY-LTGY, TN, BRN, SFTMOD FRM, BLKY-SB PLTY, ARG, V CLAYEY, SLI CALC

SANDSTONE: OFF WHT, GY, TRNSL, OCC CLR, MHD-HD, MOD CONS, VF-F GR, SB ANG-ANG, MOD SR TD, SILS COMP, MOD CMTD, CALS/SILS CMTD, NSFOC

SILTSTONE: DK GY, BRN, LT GY, SFT--MOD FRM, AMOR-SB BLKY, RTHY W/GRITT TXT & DULL, CONCH FRAC

SHALE: DKGY-LTGY, TN, BRN, SFTMOD FRM, BLKY-SB PLTY, ARG, V CLAYEY, SLI CALC

SANDSTONE: OFF WHT, GY, TRNSL, OCC CLR, MHD-HD, MOD CONS, VF-F GR, SB ANG-ANG, MOD SR TD, SILS COMP, MOD CMTD, CALS/SILS CMTD, NSFOC

SILTSTONE: DK GY, BRN, LT GY, SFT, AMOR-SB BLKY, RTHY W/GRITT TXT & DULL

SHALE: DKGY-LTGY, SFTMOD FRM, BLKY-SB PLTY, IREG, SLTY, ARG, V CLAYEY, SLI CALC

SHALE: DKGY-LTGY, TN, BRN, SFTMOD FRM, BLKY-SB PLTY, ARG, V CLAYEY, SLI CALC

SANDSTONE: OFF WHT, GY, TRNSL, OCC CLR, MHD-HD, MOD CONS, VF-F GR, SB ANG-ANG, MOD SR TD, SILS COMP, MOD CMTD, CALS/SILS CMTD, NSFOC

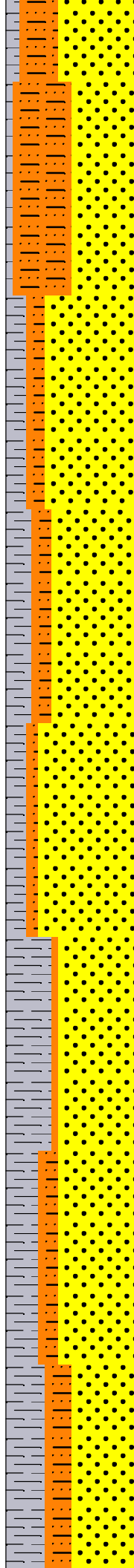
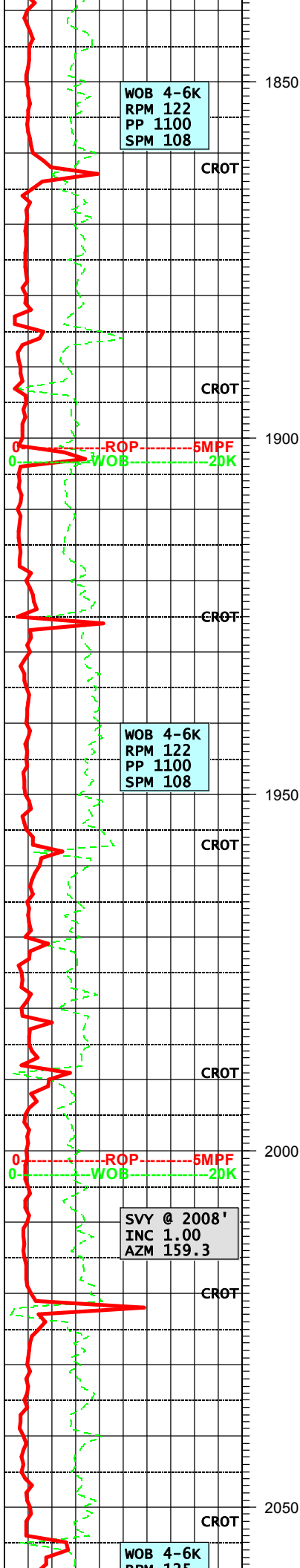
SILTSTONE: DK GY, BRN, LT GY, SFT--MOD FRM, AMOR-SB BLKY, RTHY

MWI 8.9
VIS 31
MWO 8.9
VIS 32

MWI 8.9
VIS 31
MWO 8.9
VIS 32

GAS -200u
GAS -2%
CO2 -10%

GAS -200u
GAS -2%
CO2 -10%



W/GRITT TXT & DULL , CONCH FRAC

SANDSTONE: OFF WHT, GY, TRNSL,
OCC CLR, MHD-HD, MOD CONS, VF-F
GR, SB ANG-ANG, MOD SR TD, SILS
COMP, MOD CMTD, CALS/SILS CMTD

SILTSTONE: DK GY, BRN, LT GY, SFT,
AMOR-SB BLKY, RTHY W/GRITT TXT &
DULL

SHALE: DKG Y-LTGY, SFTMOD FRM,
BLKY-SB PLTY, IREG, SLTY, ARG, V
CLAYEY, SLI CALC

SHALE: DKG Y-LTGY, TN, BRN,
SFTMOD FRM, BLKY-SB PLTY, ARG, V
CLAYEY, SLI CALC
SANDSTONE: OFF WHT, GY, TRNSL,
OCC CLR, MHD-HD, MOD CONS, VF-F
GR, SB ANG-ANG, MOD SR TD, SILS
COMP, MOD CMTD, CALS/SILS CMTD,
NSFOC

SHALE: DKG Y-LTGY, TN, BRN, SFT-
MOD FRM, BLKY-SB PLTY, ARG, V
CLAYEY, SLI CALC

SANDSTONE: OFF WHT, GY, TRNSL,
OCC CLR, MHD-HD, MOD CONS, VF-F
GR, SB ANG-ANG, MOD SR TD, SILS
COMP, MOD CMTD, CALS/SILS CMTD

SILTSTONE: DK GY, BRN, LT GY, SFT,
AMOR-SB BLKY, RTHY W/GRITT TXT &
DULL

SHALE: DKG Y-LTGY, GRN, GLAU,
SFTMOD FRM, BLKY-SB PLTY, IREG,
SLTY, ARG, V CLAYEY, SLI CALC

SHALE: DKG Y-LTGY, GRN, GLAU, SFT-
MOD FRM, BLKY-SB PLTY, IREG, SLTY,
ARG, V CLAYEY, SLI CALC

SILTSTONE: DK GY, BRN, LT GY, SFT,
AMOR-SB BLKY, RTHY W/GRITT TXT &
DULL

SANDSTONE: OFF WHT, GY, TRNSL,
OCC CLR, MHD-HD, MOD CONS, VF-F
GR, SB ANG-ANG, MOD SR TD, SILS
COMP, MOD CMTD, CALS/SILS CMTD,
NSFOC

SANDSTONE: OFF WHT, GY, TRNSL,
OCC CLR, MHD-HD, MOD CONS, VF-F
GR, SB ANG-ANG, MOD SR TD, SILS
COMP, MOD CMTD, CALS/SILS CMTD

SILTSTONE: DK GY, BRN, LT GY, SFT,
AMOR-SB BLKY, RTHY W/GRITT TXT &
DULL

SHALE: DKG Y-LTGY, GRN, GLAU, SFT-
MOD FRM, BLKY-SB PLTY, IREG, SLTY,
ARG, V CLAYEY, SLI CALC

SHALE: DKG Y-LTGY, TN, BRN,
SFTMOD FRM, BLKY-SB PLTY, ARG, V
CLAYEY, SLI CALC

SANDSTONE: OFF WHT, GY, TRNSL,
OCC CLR, MHD-HD, MOD CONS, VF-F
GR, SB ANG-ANG, MOD SR TD, SILS
COMP, MOD CMTD, CALS/SILS CMTD,
NSFOC

SANDSTONE: OFF WHT, GY, TRNSL,
OCC CLR, MHD-HD, MOD CONS, VF-F
GR, SB ANG-ANG, MOD SR TD, SILS
COMP, MOD CMTD, CALS/SILS CMTD

SILTSTONE: DK GY, BRN, LT GY, SFT,
AMOR-SB BLKY, RTHY W/GRITT TXT &
DULL

SHALE: DKG Y-LTGY, SFTMOD FRM,
BLKY-SB PLTY, IREG, SLTY, ARG, V
CLAYEY, SLI CALC

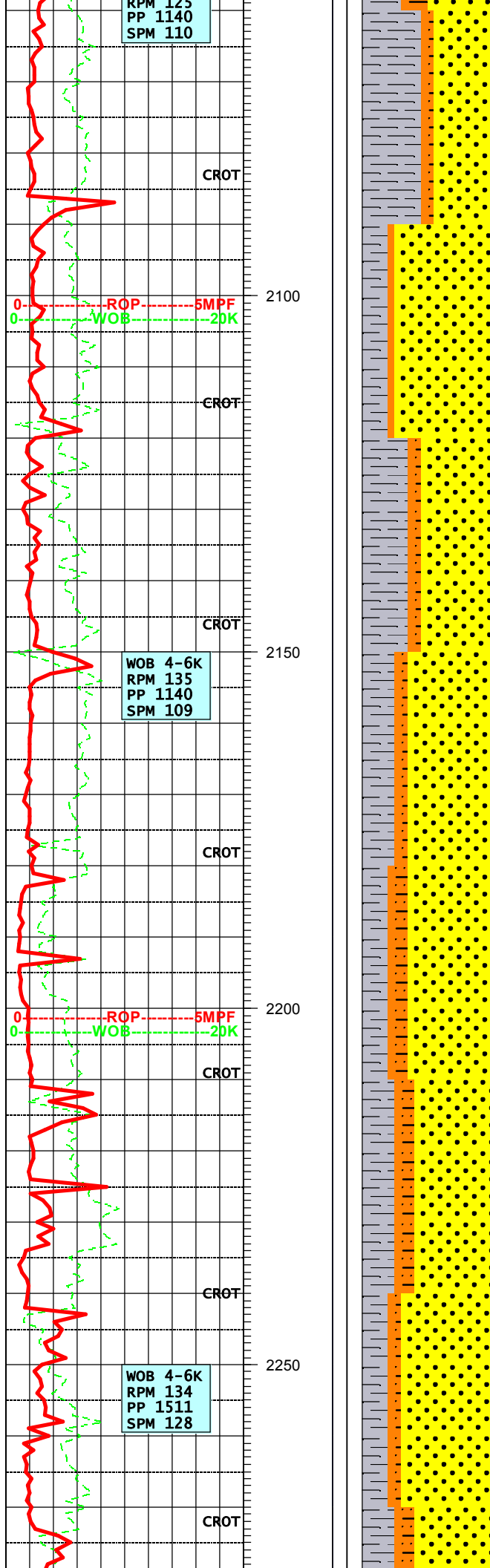
MWI 8.9
VIS 31
MWO 8.9
VIS 32

GAS -200u
GAS -2%
CO2 -10%

MWI 8.9
VIS 31
MWO 8.9
VIS 32

GAS -200u
GAS -2%
CO2 -10%

MWI 8.9
VIS 31
MWO 8.9
VIS 32



RPM 125
PP 1140
SPM 110

CROT

2100

ROP 5MPF
WOB 20K

CROT

2150

WOB 4-6K
RPM 135
PP 1140
SPM 109

CROT

2200

ROP 5MPF
WOB 20K

CROT

CROT

2250

WOB 4-6K
RPM 134
PP 1511
SPM 128

CROT

SHALE: DKGY-LTGY, TN, BRN,
SFTMOD FRM, BLKY-SB PLTY, ARG, V
CLAYEY, SLI CALC

SANDSTONE: OFF WHT, GY, TRNSL,
OCC CLR, MHD-HD, MOD CONS, VF-F
GR, SB ANG-ANG, MOD SRTD, SILS
COMP, MOD CMTD, CALS/SILS CMTD,
NSFOC

SILTSTONE: DK GY, BRN, LT GY, SFT--
MOD FRM, AMOR-SB BLKY, CONCH
FRAC

SHALE: DKGY-LTGY, TN, BRN,
SFTMOD FRM, BLKY-SB PLTY, ARG, V
CLAYEY, SLI CALC

SANDSTONE: OFF WHT, GY, TRNSL,
OCC CLR, MHD-HD, MOD CONS, VF-F
GR, SB ANG-ANG, MOD SRTD, SILS
COMP, MOD CMTD, CALS/SILS CMTD,
NSFOC
SILTSTONE: DK GY, BRN, LT GY, SFT--
MOD FRM, AMOR-SB BLKY, RTHY
W/GRITT TXT & DULL, CONCH FRAC

SHALE: DKGY-LTGY, TN, BRN,
SFTMOD FRM, BLKY-SB PLTY, ARG, V
CLAYEY, SLI CALC

SANDSTONE: OFF WHT, GY, TRNSL,
OCC CLR, MHD-HD, MOD CONS, VF-F
GR, SB ANG-ANG, MOD SRTD, SILS
COMP, MOD CMTD, CALS/SILS CMTD,
NSFOC
SILTSTONE: DK GY, BRN, LT GY, SFT--
MOD FRM, AMOR-SB BLKY, RTHY
W/GRITT TXT & DULL, CONCH FRAC

SANDSTONE: OFF WHT, GY, TRNSL,
OCC CLR, MHD-HD, MOD CONS, VF-F
GR, SB ANG-ANG, MOD SRTD, SILS
COMP, MOD CMTD, CALS/SILS CMTD,
NSFOC

SILTSTONE: DK GY, BRN, LT GY, SFT--
MOD FRM, AMOR-SB BLKY, RTHY
W/GRITT TXT & DULL, CONCH FRAC

SANDSTONE: OFF WHT, GY, TRNSL,
OCC CLR, MHD-HD, MOD CONS, VF-F
GR, SB ANG-ANG, MOD SRTD, SILS
COMP, MOD CMTD, CALS/SILS CMTD,
NSFOC
SILTSTONE: DK GY, BRN, LT GY, SFT--
MOD FRM, AMOR-SB BLKY, RTHY
W/GRITT TXT & DULL, CONCH FRAC

SANDSTONE: OFF WHT-LT GRY,
FRSTY IP, S&P IP, TRNSL GRNS, SB
ANG-ANG F-MED GRNS, MOD SRTD,
MOD CONS, MOD CMTD

SILTSTONE: RDBN, GY, RDGY, V SFT
MOD FRM, V VF, BLKY, FRIA IP, RTHY,
DULL LSTR.

SANDSTONE: OFF WHT-FRSTY, LT GY,
VF-F GRNS, SPHER, SB ANG-SB RDD,
MOD SRTD, MOD CONS, SLI CALC
CMT

SHALE: MED-DK GY, SFT-MOD FRM,
SB BLKY-BLKY

SANDSTONE: OFF WHT, GY, TRNSL,
OCC CLR, MHD-HD, MOD CONS, VF-F
GR, SB ANG-ANG, MOD SRTD, SILS
COMP, MOD CMTD, CALS/SILS CMTD

SILTSTONE: DK GY, BRN, LT GY, SFT,
AMOR-SB BLKY, RTHY W/GRITT TXT &
DULL

SHALE: DKGY-LTGY, SFTMOD FRM,
BLKY-SB PLTY, IREG, SLTY, ARG, V
CLAYEY, SLI CALC

SANDSTONE: LT GRY-OFF WHT,
TRNSL, OCC CLR GRNS, MOD HD, F-
MED GRNS, SB ANG-ANG, MOD CMTD,
MOD CONS, SLI CALC CMT

VIS 32

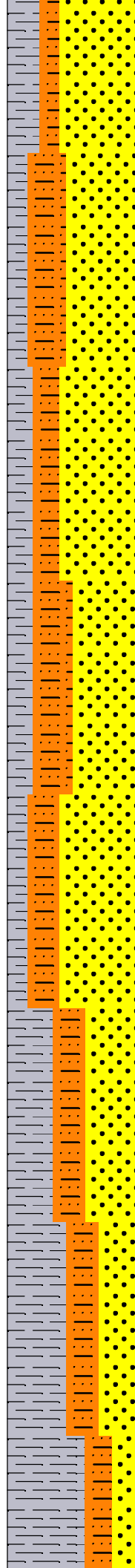
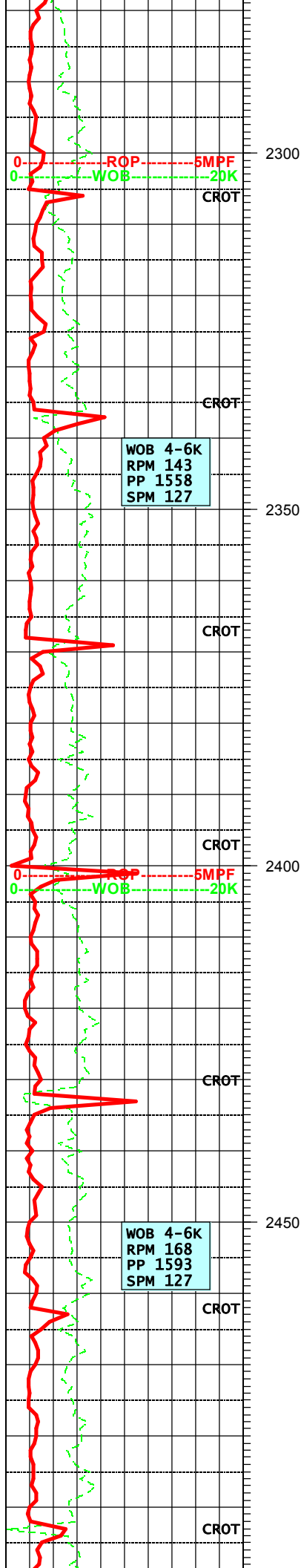
GAS 200u
GAS 2%
CO2 10%

MWI 8.9
VIS 31
MWO 8.9
VIS 34

GAS 200u
GAS 2%
CO2 10%

MWI 9.0
VIS 35
MWO 8.9
VIS 33

TRAP TEST



MOD CONS, SLI CALC CMT

SHALE: MED-DK GRY SFT-MOD FRM, SB BLKY-BLKY, V/GRIT TXT, RGH TXT, SLTY, PLTY IP

SANDSTONE: OFF WHT-LT GRY, FRSTY IP, S&P IP, OCC GRN, SPHER, SB RDD-RDD, VF-F GRNS, MOD SRTD, MOD CMTD, MOD CONS, SLI CALC CMT

SHALE: LT-DK GRY, SFT-MOD FRM, SB BLKY-BLKY, V/GRITTY RGH TXT,

SANDSTONE: OFF WHT-FRSTY, TRNSLIP, OCC CLR, S&P IP, SB ANG-SBRDD, MOD SRTD, MOD-W CONS, SLI CALC CMT

SILTSTONE: RDBN, GY, RDGY, V SFTMOD FRM, V VF, BLKY, FRIA IP,

SANDSTONE: OFF WHT, GY, TRNSL, OCC CLR, MHD-HD, MOD CONS, VF-F GR, SB ANG-ANG, MOD SRTD, SILS COMP, MOD CMTD, CALS/SILS CMTD

SILTSTONE: DK GY, BRN, LT GY, SFT, AMOR-SB BLKY, RTHY W/GRITTT TXT & DULL

SHALE: DKGY-LTGY, SFTMOD FRM, BLKY-SB PLTY, IREG, SLTY, ARG, V CLAYEY, SLI CALC

SILTSTONE: SILTSTONE: RDBN, GY, RDGY, V SFT,MOD FRM, V VF, BLKY, FRIA IP, RTHY, DULL LSTR.

SANDSTONE: OFF WHT-LT GY, FRSTY IP, S&P IP, VF-F GRNS TRNSL, CLR GRNS, MMOD-W SRTD, MOD CONS, MOD CMTD SLI CALC CMT

SHALE: LT-MED GY, OCC DK GY, OCC ,RDBRN, SFT-MOD FRM, SLTY, GRTTY

SHALE: SHALE: LT-M GY, RDBN, MOD SFTFRM, BLKY-PLTY, SM IP, WXY, SLTY IP

SILTSTONE: RDBN, GY, OFFWH, V SFT, BLKY, CLY, V SLI CALC IP

SANDSTONE: WH, OFFWH, CLR, MOD IND, VVF-F, P SRT, P CONS, SBANG

SHALE: LT-DK GRY, OCC RDBN, MOD SFT-FRM, BLKY-SB BLKY, PLTY IP, SLTY IP, V/GRITTT TXT

SILTSTONE: RDBRN, MED GRY, SFT, SB BLKY-BLKY SLI CALC, RTHY

SANDSTONE: OFF WHT-LT GRY, FRSTY IP, S&P IP, VF-F GRNS, OCC GRN, MOD SRTD, MOD CONS, MOD CMTD, SLI CALC CMT

SANDSTONE: OFF WHT, GY, TRNSL, OCC CLR, MHD-HD, MOD CONS, VF-F GR, SB ANG-ANG, MOD SRTD, SILS COMP, MOD CMTD, CALS/SILS CMTD

SILTSTONE: DK GY, BRN, LT GY, SFT, AMOR-SB BLKY, RTHY W/GRITTT TXT & DULL

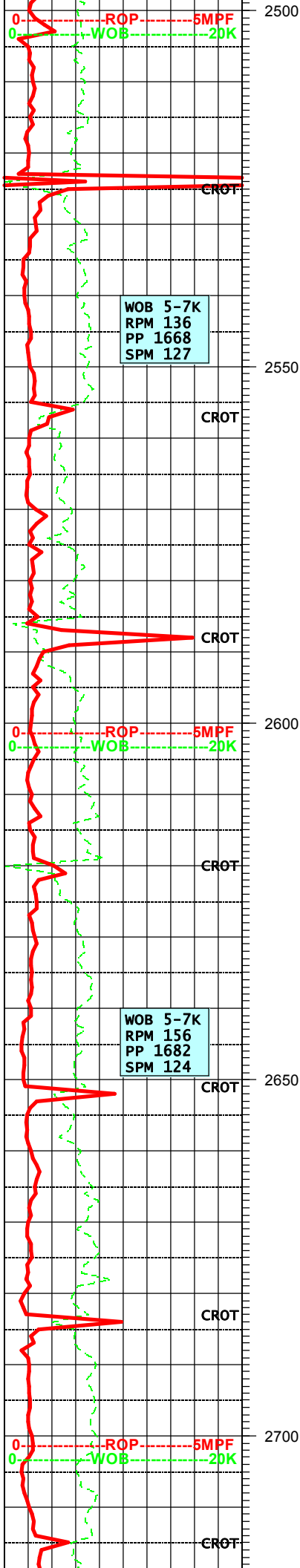
GAS -200u
GAS -2%
CO2 -10%

MWI 9.0
VIS 35
MWO 9.0
VIS 34

5/2/2008

GAS -200u
GAS -2%
CO2 -10%

MWI 9.0
VIS 35
MWO 9.1
VIS 35



SHALE: LT-DK GRY, SFT-MOD FRM, SB BLKY-BLKY V/GRTTY TXT, RGH TXT, SLTY, WXY IP, PLTY IP

SHALE: MED-DK GY, RDBRN, SFT-MOD, FRM, SLTY, PLTY IP, SB BLKY-BLKY, RTHY, GRTTY.

SANDSTONE: OFF WHT-FRSTY, S&P IP, TRNSL, OCC CLR GRN, SB ANG-SB RDD, MOD-W SRTD, MOD CONS, SI CALC CMT

SHALE: DKGY-LTGY, SFTMOD FRM, BLKY-SB PLTY, IREG, SLTY, ARG, V CLAYEY, SLI CALC

SILTSTONE: DK GY, BRN, LT GY, SFT, AMOR-SB BLKY, RTHY W/GRIIT TXT & DULL

OFF WHT, GY, TRNSL, OCC CLR, MHD-HD, MOD CONS, VF-F GR, SB ANG-ANG, MOD SRTD, SILS COMP, MOD CMTD, CALS/SILS CMTD

SHALE: LT-DK GRY, SFT-MOD HRD, PLTY IP, SB BLKY-BLKY V/CLAYEY, SLI CALC V/GRTTY TXT, DLL LSTR

SANDSTONE: OFF WHT-LT GRY FRSTY IP, VF-F GRNS, OCC TRNSL GRNS, SB ANG-SB RDD, MOD SRTD, MOD CMTD, MOD CONS, SLI CALC CMT

SHALE: DKGY-GY, GYBN, DKBN, BLKYPLTY, FLKY, RTHY, DULL, FRM-HD, NON LAM, NON CALC

SANDSTONE: OFF WH, GY, S&P, VF-F GRN, SBANG-SBRNDD, W SRT, MOD CONS, MOD SRTD, CALC CMTD

SILTSTONE: RDBN, GY, RDGY, V SFT MOD FRM, V VF, BLKY, FRIA IP, RTHY, DULL LSTR.

SANDSTONE: OFF WHT-FRSTY, LT GY, VF-F GRNS, SPHER, SB ANG-SB RDD, MOD SRTD, MOD CONS, SLI CALC CMT

SHALE: MED-DK GY, SFT-MOD FRM, SB BLKY-BLKY

SANDSTONE: OFF WHT-LT GRY, FRSTY, S&P IP, VF-F GRNS, SB ANG-ANG, MOD SRTD, MOD CONS, MOD CMTD, SLI CALC CMT

SHALE: LT-DK GRY OCC GRN, SFT-MOD FRM, SB BLKY-BLKY, DLL LSTR, V/GRTT TXT, PLTY IP

SANDSTONE: OFF WHT-LT GRY, FRSTY IP, S&P IP, VF-F GRNS, SB RDD-RDD, MOD SRTD, MOD CONS, MOD CMTD, SLI CALC CMT

SANDSTONE: OFF WH, GY, S&P, VF-F GRN, SBANG-SBRNDD, W SRT, MOD, CONS, MOD SRTD, CALC CMTD, CALC IP, NSFOC

SILTSTONE: MED GY-DK GY, SFT-FRM, PLTY-SB TAB-IRREG, DULL LSTR, SNDY, GRIIT TXT, NON-SLI CALC

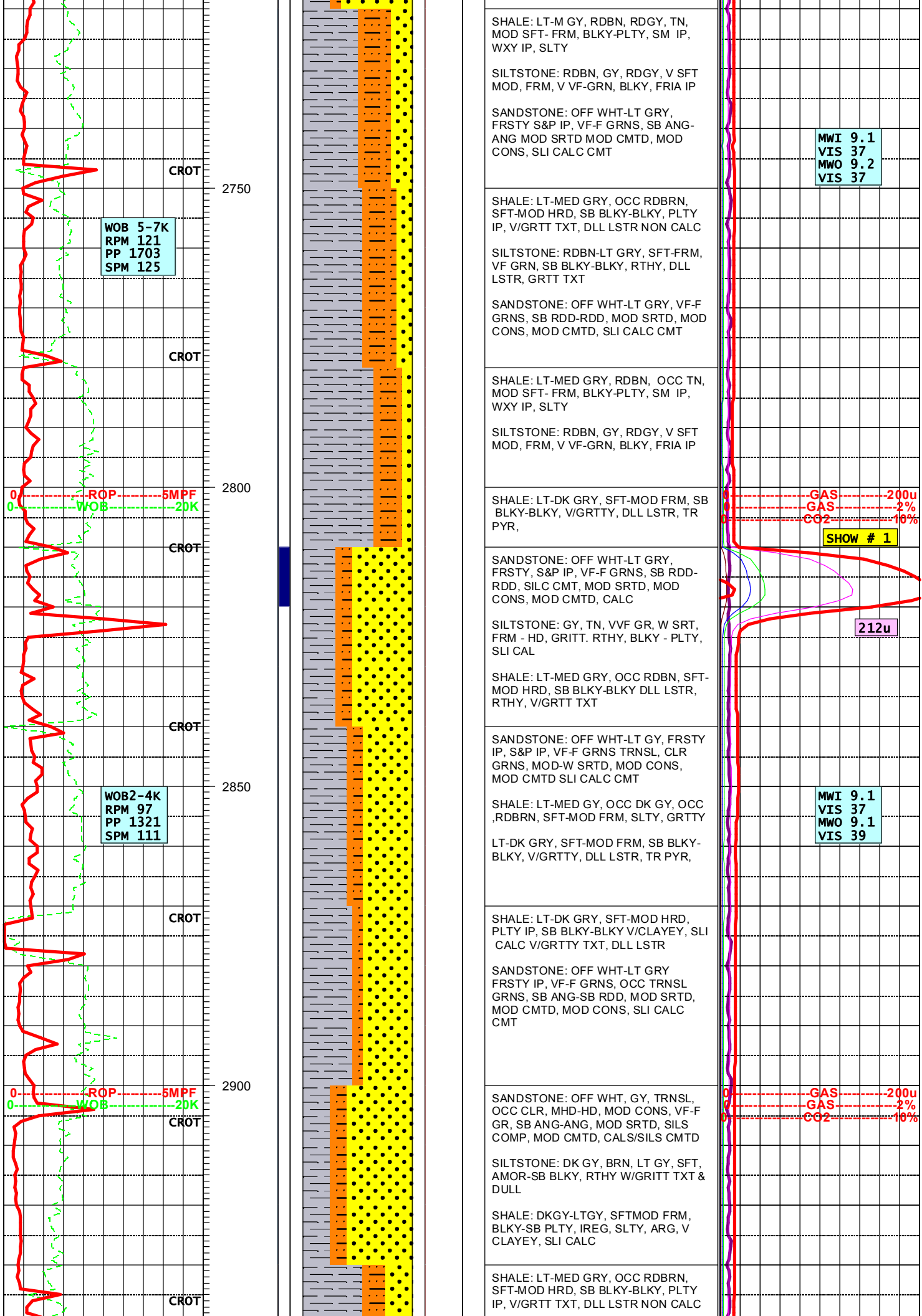
GAS -200u
GAS -2%
CO2 -10%

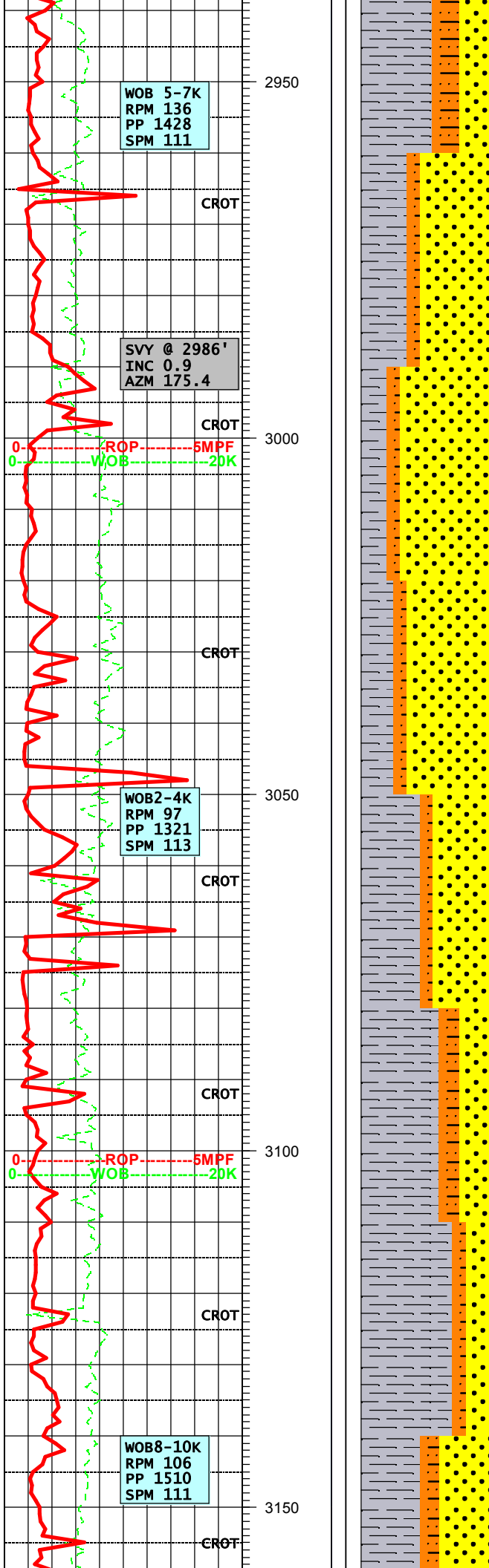
MWI 9.1
VIS 35
MWO 9.1
VIS 36

GAS -200u
GAS -2%
CO2 -10%

MWI 9.1
VIS 35
MWO 9.1
VIS 36

GAS -200u
GAS -2%
CO2 -10%





SILTSTONE: RDBN-LT GRY, SFT-FRM, VF GRN, SB BLKY-BLKY, RTHY, DLL LSTR, GRIT TXT

SANDSTONE: OFF WHT-LT GRY, VF-F GRNS, SB RDD-RDD, MOD SRTD, MOD CONS, MOD CMTD, SLI CALC CMT

SANDSTONE: OFF WHT-LT, GY, TRNSL, FRM-MODHD, VF-F GR, SB ANG-ANG, MOD SRTD, MOD CMTD,

SILTSTONE: DKGY-GY, BRN, LT GY, SFT, AMOR-SB BLKY, CONCH FRAC

SHALE: DKGY-LTGY, V SFT-MOD FRM, BLKY-SB PLTY, IREG, SLT, ABDNT, SLI CALC

SHALE: LT-DK GRY, SB BLKY-BLKY, V/GRIT TXT, V/SLTY, PLTY IP, SFT-MOD HRD, PLTY IP NON CALC

SANDSTONE: CLR TRNSL GRNS, OCC FRSTY WHT, FRM-HRD, VF-F GRNS, SB RND-RDD, MOD CONS, MOD SRTD, MOD CMTD, ABDNT LSE QTZ GRNS, SLI CALC CMT

SILTSTONE: DK GRY-TN, BRN, SFT-MOD HRD, SB BLKY, V/GRIT TXT, V/SLTY, CONCH FRAC

SHALE: DKGY-LTGY, TN, BRN, SFTMOD FRM, BLKY-SB PLTY, ARG, V CLAYEY, SLI CALC

SANDSTONE: OFF WHT, GY, TRNSL, OCC CLR, VIT & FRIA IP., MHD-HD, MOD CONS, VF-F GR, OCC M GRN SB ANG-ANG, MOD SRTD, SILS COMP, MOD CMTD, CALS/SILS CMTD, NSFOC

SILTSTONE: DK GY, BRN, LT GY, SFT-MOD FRM, AMOR-SB BLKY, CONCH FRAC

SANDSTONE: OFF WHT, GY, TRNSL, OCC CLR, MHD-HD, MOD CONS, VF-F GR, SB ANG-ANG, MOD SRTD, SILS COMP, MOD CMTD, CALS/SILS CMTD

SILTSTONE: DK GY, BRN, LT GY, SFT, AMOR-SB BLKY, RTHY W/GRIT TXT & DULL

SHALE: DKGY-LTGY, GRN, GLAU, SFTMOD FRM, BLKY-SB PLTY, IREG, SLTY, ARG, V CLAYEY, SLI CALC

SANDSTONE: LT GRY-OFF WHT, CLR TRNSL GRNS, FRM-HRD VF-MED GRNS, SB RDD-RDD, MOD SRD MOD CONS, MOD CMTD SLI CALC CMT
SHALE: MED-DK GRY, SFT-MOD FRM, PLTY IP, V/SLTY, SB BLKY-BLKY NON CALC CMT

SHALE: DKGY-LTGY, GRN, GLAU, SFT-MOD FRM, BLKY-SB PLTY, IREG, SLTY, ARG, V CLAYEY, SLI CALC

SHALE: DKGY-LTGY, GRN, GLAU, SFT-MOD FRM, BLKY-SB PLTY, IREG, SLTY, ARG, V CLAYEY, SLI CALC

SILTSTONE: DK GY, BRN, LT GY, SFT, AMOR-SB BLKY, RTHY W/GRIT TXT & DULL

SANDSTONE: OFF WHT, GY, TRNSL, OCC CLR, MHD-HD, MOD CONS, VF-F GR, SB ANG-ANG, MOD SRTD, SILS COMP, MOD CMTD, CALS/SILS CMTD, NSFOC

SANDSTONE: OFF WHT-LT, GY, TRNSL, FRM-MODHD, VF-F GR, SB ANG-ANG, MOD SRTD, MOD CMTD,

SILTSTONE: DKGY-GY, BRN, LT GY, SFT, AMOR-SB BLKY, CONCH FRAC

SHALE: DKGY-LTGY, V SFT-MOD FRM,

MWI 9.2
VIS 36
MWO 9.2
VIS 37

SCALE CHANGE
GAS -500u
OAS -5%
CO2 -10%

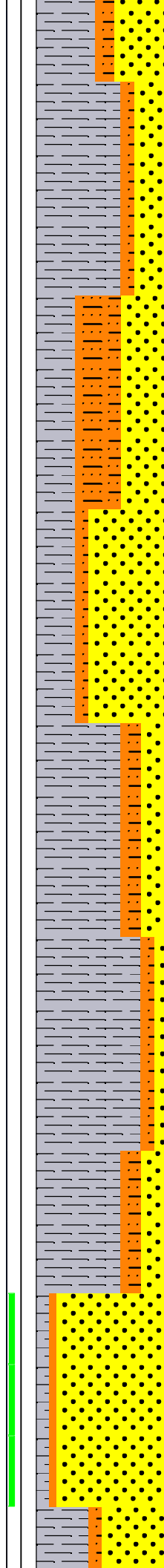
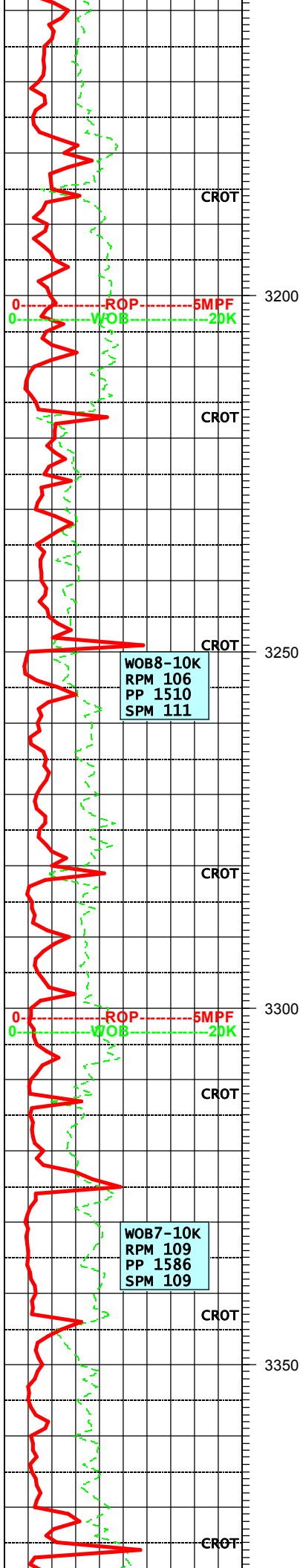
SHOW # 2

477u

MWI 9.3
VIS 39
MWO 9.3
VIS 40

SCALE CHANGE
GAS -200u
OAS -2%
CO2 -10%

MWI 9.3
VIS 39
MWO 9.3
VIS 40



BLKY-SB PLTY, IREG, SLT, ABDNT , SLI
CALC

SHALE: DKGY-LTGY, TN, BRN,
SFTMOD FRM, BLKY-SB PLTY, ARG, V
CLAYEY, SLI CALC

SANDSTONE: OFF WHT, GY, TRNSL,
OCC CLR, MHD-HD, MOD CONS, VF-F
GR, SB ANG-ANG, MOD SRTD, SILS
COMP, MOD CMTD, CALS/SILS CMTD,
NSFOC

SANDSTONE: OFF WHT, GY, TRNSL,
OCC CLR, MHD-HD, MOD CONS, VF-F
GR, SB ANG-ANG, MOD SRTD, SILS
COMP, MOD CMTD, CALS/SILS CMTD

SILTSTONE: DK GY, BRN, LT GY, SFT,
AMOR-SB BLKY, RTHY W/GRITT TXT &
DULL

SHALE: DKGY-LTGY, GRN, GLAU, SFT-
MOD FRM, BLKY-SB PLTY, IREG, SLTY,
ARG, V CLAYEY, SLI CALC

SHALE: DKGY-LTGY, TN, BRN,
SFTMOD FRM, BLKY-SB PLTY, ARG, V
CLAYEY, SLI CALC

SANDSTONE: OFF WHT, GY, TRNSL,
OCC CLR, MHD-HD, MOD CONS, VF-F
GR, SB ANG-ANG, MOD SRTD, SILS
COMP, MOD CMTD, CALS/SILS CMTD,
NSFOC

SILTSTONE: DK GY, BRN, LT GY, SFT--
MOD FRM, AMOR-SB BLKY, CONCH
FRAC

SANDSTONE: OFF WHT, GY, TRNSL,
OCC CLR, MHD-HD, MOD CONS, VF-F
GR, SB ANG-ANG, MOD SRTD, SILS
COMP, MOD CMTD, CALS/SILS CMTD

SILTSTONE: DK GY, BRN, LT GY, SFT,
AMOR-SB BLKY, RTHY W/GRITT TXT &
DULL

SHALE: DKGY-LTGY, SFTMOD FRM,
BLKY-SB PLTY, IREG, SLTY, ARG, V
CLAYEY, SLI CALC

SHALE: DKGY-LTGY, TN, BRN,
SFTMOD FRM, BLKY-SB PLTY, ARG, V
CLAYEY, SLI CALC

SANDSTONE: LT GRY-OFF WHT, CLR
TRNSL GRNS, FRM-HRD VF-MED
GRNS, SB RDD-RDD, MOD SRD MOD
CONS, MOD CMTD SLI CALC CMT

SHALE: MED-DK GRY, SFT-MOD FRM,
PLTY IP, V/SLTY, SB BLKY-BLKY NON
CALC CMT.

SANDSTONE: OFF WHT-LT, GY,
TRNSL, FRM-MODHD, VF-F GR, SB
ANG-ANG, MOD SRTD, MOD CMTD,

SILTSTONE: DKGY-GY, BRN, LT GY,
SFT, AMOR-SB BLKY, CONCH FRAC

SHALE: DKGY-LTGY, V SFT-MOD FRM,
BLKY-SB PLTY, IREG, SLT, ABDNT , SLI
CALC

SANDSTONE: OFF WHT, GY, TRNSL,
OCC CLR, MHD-HD, MOD CONS, VF-F
GR, SB ANG-ANG, MOD SRTD, SILS
COMP, MOD CMTD, CALS/SILS CMTD

SILTSTONE: DK GY, BRN, LT GY, SFT,
AMOR-SB BLKY, RTHY W/GRITT TXT &
DULL

SHALE: DKGY-LTGY, SFTMOD FRM,
BLKY-SB PLTY, IREG, SLTY, ARG, V
CLAYEY, SLI CALC

SCALE CHANGE
GAS 500u
GAS 5%
CO2 10%

SHOW # 3

449u

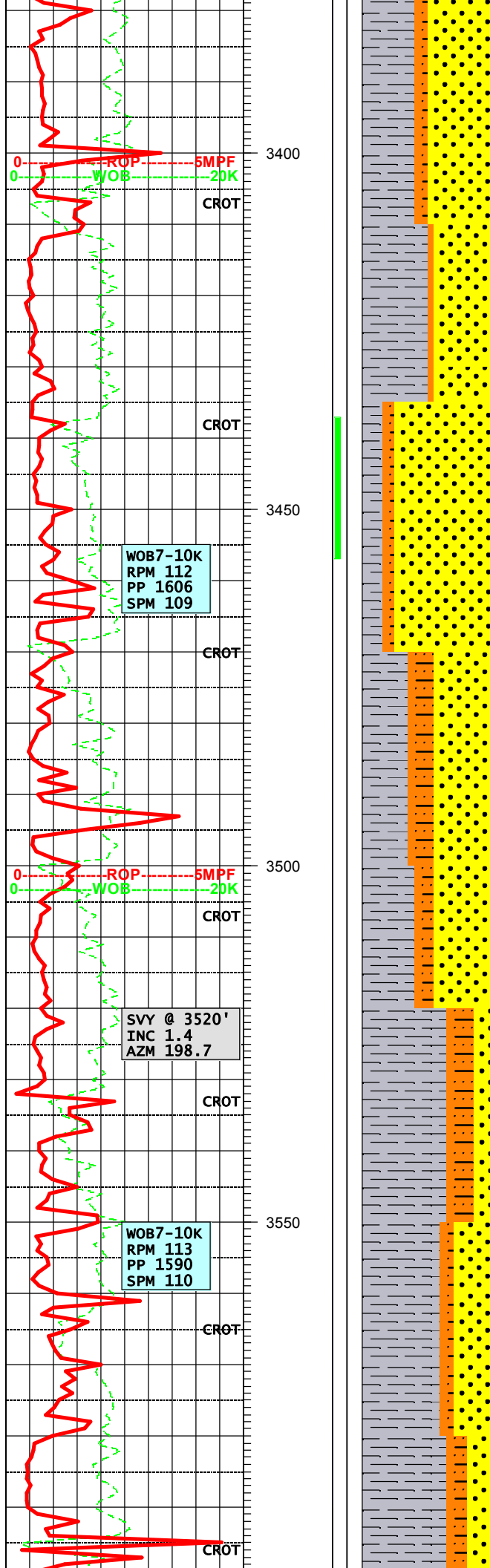
MWI 9.3
VIS 39
MWO 9.3
VIS 40

SCALE CHANGE
GAS 1000u
GAS 10%
CO2 10%

MWI 9.4
VIS 44
MWO 9.4
VIS 45

SHOW # 4

953u



SHALE: DKGY-LTGY, TN, BRN, SFTMOD FRM, BLKY-SB PLTY, ARG, V CLAYEY, SLI CALC
SANDSTONE: OFF WHT, GY, TRNSL, OCC CLR, MHD-HD, MOD CONS, VF-F GR, SB ANG-ANG, MOD SRTD, SILS COMP, MOD CMTD, CALS/SILS CMTD, NSFOC

SHALE: DKGY-LTGY, GRN, GLAU, SFT-MOD FRM, BLKY-SB PLTY, IREG, SLTY, ARG, V CLAYEY, SLI CALC

SHALE: DKGY-LTGY, GRN, LT BRN, SFT-MOD FRM, BLKY-SB PLTY, IREG, SLTY, ARG, V CLAYEY, SLI CALC

SILTSTONE: DK GY, BRN, LT GY, SFT, AMOR-SB BLKY, RTHY W/GRITT TXT & DULL

SANDSTONE: OFF WHT, GY, TRNSL, OCC CLR, MHD-HD, MOD CONS, VF-F GR, SB ANG-ANG, MOD SRTD, SILS COMP, MOD CMTD, CALS/SILS CMTD, NSFOC

SANDSTONE: TRNSL, GY, OFF WHT, OCC CLR, MHD-HD, MOD CONS, VF-M GR, SB ANG-ANG, MOD SRTD, SILS COMP, MOD CMTD, CALS/SILS CMTD, NO VIS SHOW

SILTSTONE: DK GY, BRN, LT GY, SFT, AMOR-SB BLKY, RTHY W/GRITT TXT & DULL

SHALE: DKGY-LTGY, GRN, GLAU, SFTMOD FRM, BLKY-SB PLTY, IREG, SLTY, ARG, V CLAYEY, SLI CALC

SHALE: DKGY-LTGY, GRN, LT BRN, SFT-MOD FRM, BLKY-SB PLTY, IREG, SLTY, ARG, V CLAYEY, SLI CALC

SILTSTONE: DK GY, BRN, LT GY, SFT, AMOR-SB BLKY, RTHY W/GRITT TXT & DULL

SANDSTONE: OFF WHT, GY, TRNSL, OCC CLR, MHD-HD, MOD CONS, VF-F GR, SB ANG-ANG, MOD SRTD, SILS COMP, MOD CMTD, CALS/SILS CMTD, NSFOC

SHALE: DKGY-LTGY, TN, BRN, SFTMOD FRM, BLKY-SB PLTY, IREG, SLTY, AREN, OCC CARB, SLI CALC
SANDSTONE: OFF WHT, GY, TRNSL, OCC CLR, MHD-HD, MOD CONS, VF-F GR, SB ANG-ANG, MOD SRTD, MOD CMTD, NSFOC

SHALE: DKGY-LTGY, RDSH, LT BRN, SFT-MOD FRM, BLKY-SB PLTY, IREG, SLTY, ARG, SLI CLAY, SLI CALC

SILTSTONE: DK GY, BRN, LT GY, SFT, AMOR-SB BLKY, RTHY W/GRITT TXT & DULL

SANDSTONE: OFF WHT, GY, TRNSL, OCC CLR, MHD-HD, MOD CONS, VF-F GR, SB ANG-ANG, MOD SRTD, SILS COMP, MOD CMTD, CALS/SILS CMTD, NSFOC

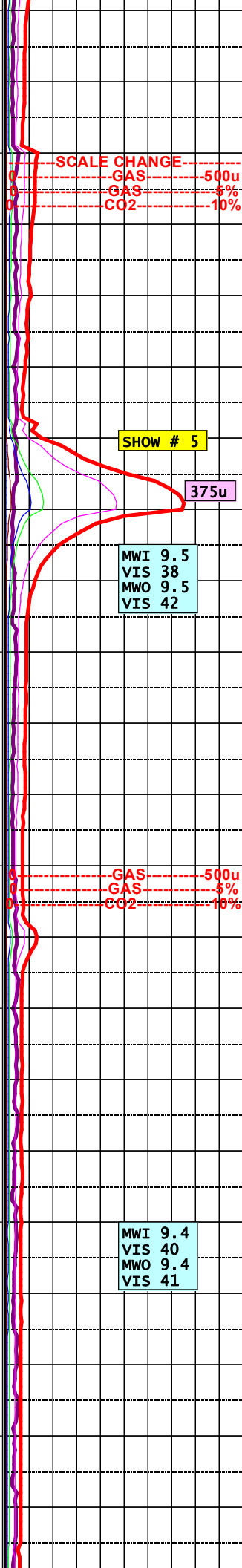
SANDSTONE: OFF WHT, GY, TRNSL, OCC CLR, MHD-HD, MOD CONS, VF-F GR, SB ANG-ANG, MOD SRTD, SILS COMP, MOD CMTD, CALS/SILS CMTD

SILTSTONE: DK GY, BRN, LT GY, SFT, AMOR-SB BLKY, RTHY W/GRITT TXT & DULL

SHALE: DKGY-LTGY, SFTMOD FRM, BLKY-SB PLTY, IREG, SLTY, ARG, V CLAYEY, SLI CALC

SHALE: MED-DK GRY, OCC GRN, TN, BRN, SFT-MOD HRD, SB BLKY-BLKY, PLTY IP, V/GRITT TXT, SLTY, AREN, SLI CALC

SILTSTONE: DK GRY, BRN, AMOR, SB BLKY, RTHY DLL LSTR, GRITT TXT, VF-F GRNS

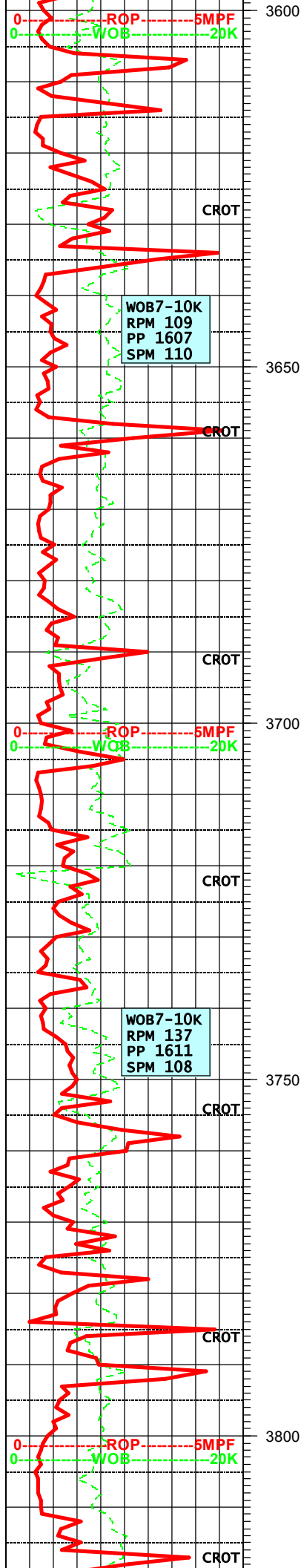


SCALE CHANGE
GAS -500u
GAS -5%
CO2 -10%

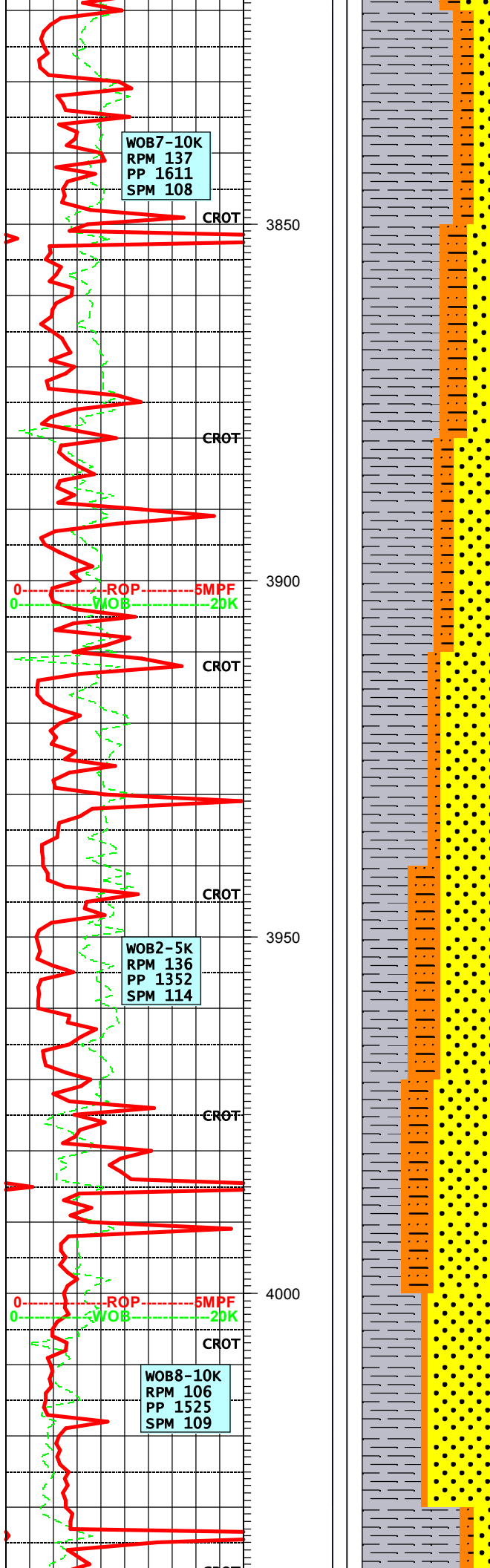
SHOW # 5
375u
MWI 9.5
VIS 38
MWO 9.5
VIS 42

GAS -500u
GAS -5%
CO2 -10%

MWI 9.4
VIS 40
MWO 9.4
VIS 41



SHALE: LT-DK GRY, SFT-MOD HRD, SB BLKY-BLKY, V/GRTT TXT, SLTY, SLI AREN, SLI CALC	<div>GAS500u</div> <div>GAS5%</div> <div>CO210%</div>
SHALE: MED-DK GRY, SB BLKY-BLKY, SFT-MOD FRM, SLI AREN, SLI CALC, V/GRTT TXT, DLL LSTR, RTHY IP, SANDSTONE: OFF WHT-LT GRY, FRSTY IP, S&P IP, VF-F GRNS, SB ANG-SB RDD, MOD SRTD, MOD CONS, MOD CMTD, SLI CALC CMT	<div>MWI 9.5</div> <div>VIS 44</div> <div>MWO 9.5</div> <div>VIS 45</div> <div>5/3/2008</div>
SANDSTONE: OFF WHT-LT GRY, FRSTY, S&P IP, VF-F GRNS, SB RDD-RDD, FRIA IP, MOD SRTD, MOD CONS, MOD CMTD, CALC CMT SHALE: LT-DK GRY, SFT-MOD FRM, SB BLKY-BLKY, V/GRTT TXT, DLL LSTR, RTHY IP, WXY IP	
SANDSTONE: OFF WH, GY, S&P, VF-F GRN, SBANG-SBRNDD, W SRT, MOD, CONS, MOD SRTD, CALC CMTD, CALC IP, NSFOC SILTSTONE: MED GY-DK GY, SFT-FRM, PLTY-SB TAB-IRREG, DULL LSTR, SNDY, GRITT TXT, NON-SLI CALC	
SHALE: DKGY-LTGY, RDSH, LT BRN, SFT-MOD FRM, BLKY-SB PLTY, IREG, SLTY, ARG, SLI CLAY, SLI CALC SILTSTONE: DK GY, BRN, LT GY, SFT, AMOR-SB BLKY, RTHY W/GRITT TXT & DULL SANDSTONE: OFF WHT, GY, TRNSL, OCC CLR, MHD-HD, MOD CONS, VF-F GR, SB ANG-ANG, MOD SRTD, SILS COMP, MOD CMTD, CALS/SILS CMTD, NSFOC	<div>GAS500u</div> <div>GAS5%</div> <div>CO210%</div>
SHALE: LT-DK GRY, SFT-MOD HRD, PLTY IP, SB BLKY-BLKY V/CLAYEY, SLI CALC V/GRTTY TXT, DLL LSTR SANDSTONE: OFF WHT-LT GRY FRSTY IP, VF-F GRNS, OCC TRNSL GRNS, SB ANG-SB RDD, MOD SRTD, MOD CMTD, MOD CONS, SLI CALC CMT	<div>MWI 9.5</div> <div>VIS 44</div> <div>MWO 9.5</div> <div>VIS 46</div>
SILTSTONE: RDBN, GY, RDGY, V SFT MOD FRM, V VF, BLKY, FRIA IP, RTHY, DULL LSTR. SANDSTONE: OFF WHT-FRSTY, LT GY, VF-F GRNS, SPHER, SB ANG-SB RDD, MOD SRTD, MOD CONS, SLI CALC CMT SHALE: MED-DK GY, SFT-MOD FRM, SB BLKY-BLKY	
SHALE: DKGY-LTGY, RDSH, LT BRN, SFT-MOD FRM, BLKY-SB PLTY, IREG, SLTY, ARG, SLI CLAY, SLI CALC	
SHALE: LT-DK GRY, SFT-MOD FRM, SB BLKY-BLKY, DLL LSTR, V/GRTT TXT, PLTY IP, SLI AREN, SLI CALC SANDSTONE: OFF WHT-LT GRY FRSTY IP, S&P IP, VF-F GRNS, SB ANG-ANG, MOD SRTD, MOD CONS,	<div>GAS500u</div> <div>GAS5%</div> <div>CO210%</div>



SHALE: DKGY-GY, GYBN, DKBN, BLKYPLTY, FLKY, RTHY, DULL, FRM-HD, NON LAM, NON CALC

SANDSTONE: OFF WH, GY, S&P, VF-F GRN, SBANG-SBRNDD, W SRT, MOD CONS, MOD SRTD, CALC CMTD

MWI 9.5
VIS 42
MWO 9.6
VIS 46

SHALE: LT GY-DK GY, LT GRN, TN, GLAU, PLTY, FLKY, RTHY, DULL, W/RGH GRITT TXT, V SLTY, FRM-BRITT, SLI CALC

SILTSTONE:DK GY, OCC LT GY, SFTMOD, FRM, AMOR-SB BLKY, RTHY W/GRITT TXT & DULL LSTR,

SHALE: LT-MED GRY, OCC GRN, OCC TN, SFT-MOD HRD, SB BLKY-BLKY, DLL LSTR, PLTY IP, RTHY, V/ SLTY

SANDSTONE: OFF WHT-LT GRY, FRSTY IP, S&P IP, VF-F GRNS, SB ANG-ANG MOD SRTD, MOD CMTD, MOD CONS

SANDSTONE: OFF WHT-LT GRY, FRSTY IP, S&P IP, SB ANG-ANG, MOD SRTD, MOD CONS, MOD CMTD, VF-F GRNS

SHALE: LT-DK GRY, SFT-MOD HRD, PLTY IP, SB BLKY-BLKY V/CLAYEY, SLI CALC V/GRTTY TXT, DLL LSTR

SANDSTONE: OFF WHT-LT GRY FRSTY IP, VF-F GRNS, OCC TRNSL GRNS, SB ANG-SB RDD, MOD SRTD, MOD CMTD, MOD CONS, SLI CALC CMT

SANDSTONE: OFF WHT-LT GRY, FRSTY, S&P IP, F-MED GRNS, SB RDD-SB ANG, W/MOD SRTD, MOD CONS, MOD CMTD, CALC CMT, TR PYR

SHALE: LT-MED GRY, OCC GRN, TN, SFT-MOD FRM, SB BLKY-BLKY, PLTY IP, SLI AREN, DLL SLTR, V/GRITT TXT

SILTSTONE: LT GRY, TN, RDBRN, RTHY, SB BLKY-BLKY, DLL LSTR VF GRNS,

SILTSTONE: LT GRY, TN, RDBRN, RTHY, SB BLKY-BLKY, DLL LSTR VF GRNS,

SANDSTONE: OFF WHT-LT GRY, FRSTY, S&P, VF-MED GRNS, W/MOD SRTD, MOD CONS, MOD CMTD, CALC CMT

SHALE: LT-MED GRY, OCC GRN, TN, RTHY, SB BLKY-BLKY SFT-MOD FRM

SHALE: LT-DK GRY, SFT-MOD HRD, PLTY IP, SB BLKY-BLKY V/CLAYEY, SLI CALC V/GRTTY TXT, DLL LSTR

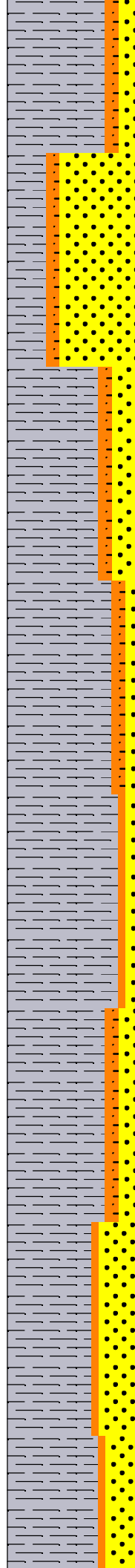
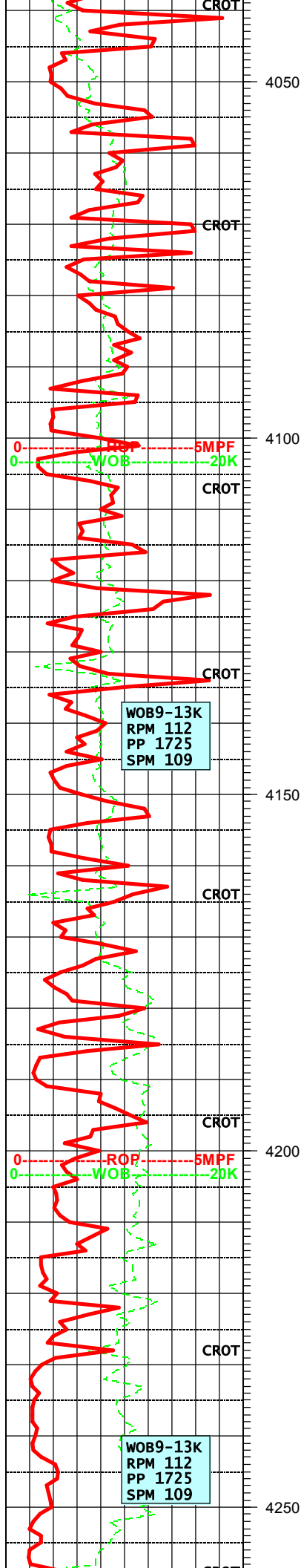
SANDSTONE: OFF WHT-LT GRY FRSTY IP, VF-F GRNS, OCC TRNSL GRNS, SB ANG-SB RDD, MOD SRTD, MOD CMTD, MOD CONS, SLI CALC CMT

SANDSTONE: OFF WHT-LT GRY, FRSTY, S&P IP, F-MED GRNS, SB RDD-SB ANG, W/MOD SRTD, MOD CONS, MOD CMTD, CALC CMT, TR PYR

GAS 500u
GAS 5%
CO2 10%

MWI 9.5
VIS 40
MWO 9.5
VIS 41

SCALE CHANGE
GAS 1000u
GAS 10%
CO2 10%



MOD CMTD, CALC CMT, TR PYR
SHALE: LT-MED GRY, OCC GRN, TN, SFT-MOD FRM, SB BLKY-BLKY, PLTY IP, SLI AREN, DLL SLTR, V/GRTT TXT

SILTSTONE: LT GRY, TN, RDBRN, RTHY, SB BLKY-BLKY, DLL LSTR W/VF GRNS

SANDSTONE: OFF WHT-LT GRY, FRSTY, S&P IP, F-MED GRNS, SB RDD-SB ANG, W/MOD SRD, MOD CONS, MOD CMTD, CALC CMT, NO VIS INTGRN POR, NSFOC

SHALE: LT-MED GRY, OCC GRN, TN, SFT-MOD FRM, SB BLKY-BLKY, PLTY IP, SLI AREN, DLL SLTR, V/GRTT TXT

SHALE: LT-DK GRY, SFT-MOD HRD, PLTY IP, SB BLKY-BLKY V/CLAYEY, SLI CALC V/GRTT TXT, DLL LSTR

SHALE: LT-DK GRY, SFT-MOD HRD, PLTY IP, SB BLKY-BLKY V/CLAYEY, SLI CALC V/GRTT TXT, DLL LSTR
SANDSTONE: OFF WHT-LT GRY, FRSTY IP, VF-F GRNS, OCC TRNSL GRNS, SB ANG-SB RDD, MOD SRD, MOD CMTD, MOD CONS, SLI CALC CMT

SILTSTONE: LT GRY, TN, RDBRN, RTHY, SB BLKY-BLKY, DLL LSTR VF GRNS,

SANDSTONE: OFF WHT-LT GRY, FRSTY, S&P, VF-MED GRNS, W/MOD SRD, MOD CONS, MOD CMTD, CALC CMT

SHALE: LT-MED GRY, OCC GRN, TN, RTHY, SB BLKY-BLKY SFT-MOD FRM

SANDSTONE: OFF WHT-LT GRY, FRSTY, S&P IP, F-MED GRNS, SB RDD-SB ANG, W/MOD SRD, MOD CONS, MOD CMTD, CALC CMT, TR PYR

SHALE: LT-MED GRY, OCC GRN, TN, SFT-MOD FRM, SB BLKY-BLKY, PLTY IP, SLI AREN, DLL SLTR, V/GRTT TXT

SILTSTONE: LT GRY, TN, RDBRN, RTHY, SB BLKY-BLKY, DLL LSTR W/VF GRNS

SHALE: LT-DK GRY, SFT-MOD HRD, PLTY IP, SB BLKY-BLKY V/CLAYEY, SLI CALC V/GRTT TXT, DLL LSTR
SANDSTONE: OFF WHT-LT GRY, FRSTY IP, VF-F GRNS, OCC TRNSL GRNS, SB ANG-SB RDD, MOD SRD, MOD CMTD, MOD CONS, SLI CALC CMT

SILTSTONE: DK GY, BRN, LT GY, SFT, AMOR-SB BLKY, RTHY W/GRTT TXT & DULL

SANDSTONE: OFF WHT, GY, TRNSL, OCC CLR, MHD-HD, MOD CONS, VF-F GR, SB ANG-ANG, MOD SRD, SILS COMP, MOD CMTD

SILTSTONE: DK GY, BRN, LT GY, SFT--MOD FRM, AMOR-SB BLKY, CONCH FRAC

SHALE: DKGY-LTGY, TN, BRN, SFTMOD FRM, BLKY-SB PLTY, ARG, V CLAYEY, SLI CALC

SHALE: LT-DK GRY, SFT-MOD HRD, PLTY IP, SB BLKY-BLKY V/CLAYEY, SLI CALC V/GRTT TXT, DLL LSTR

SANDSTONE: OFF WHT-LT GRY, FRSTY IP, VF-F GRNS, OCC TRNSL GRNS, SB ANG-SB RDD, MOD SRD, MOD CMTD, MOD CONS, SLI CALC

MWI 9.6
VIS 44
MWO 9.6
VIS 44

SHOW # 6

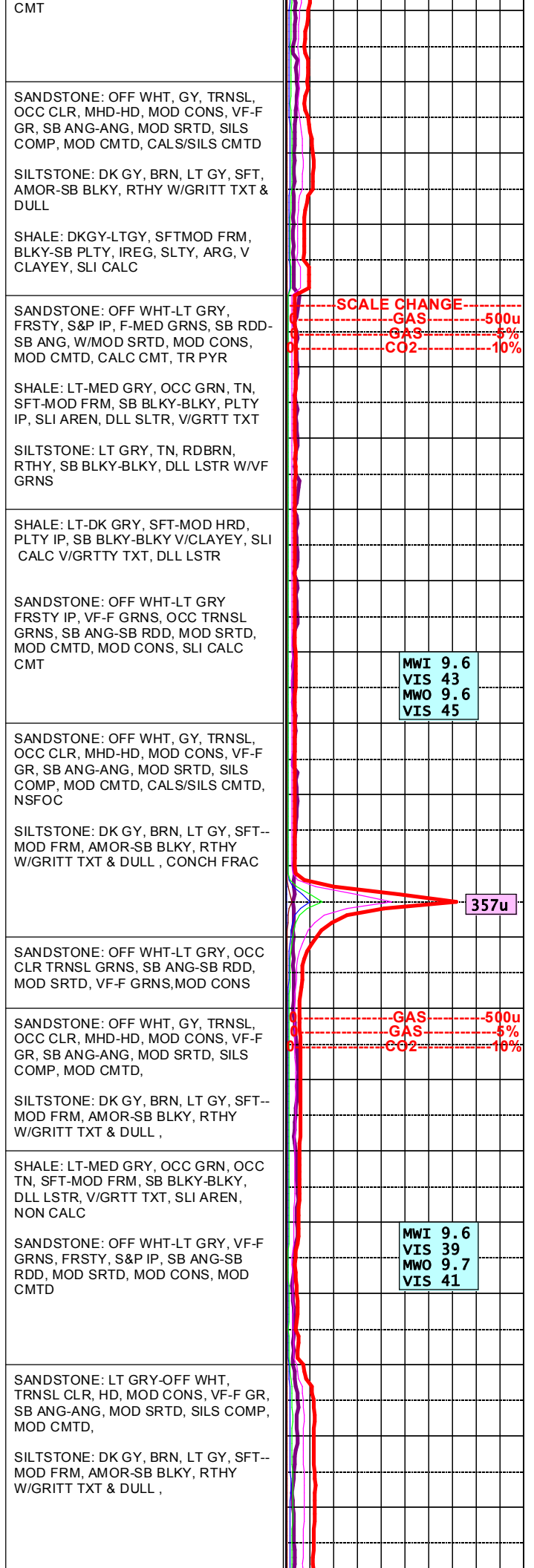
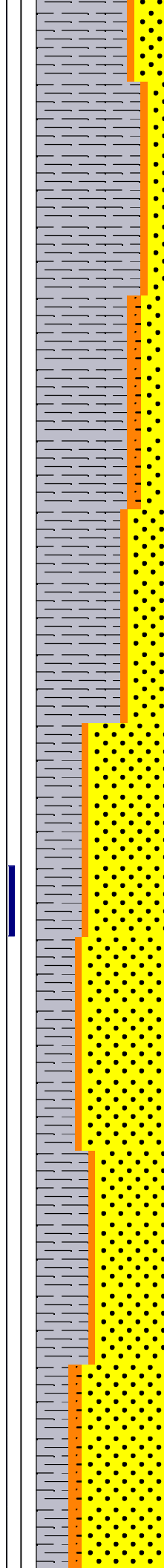
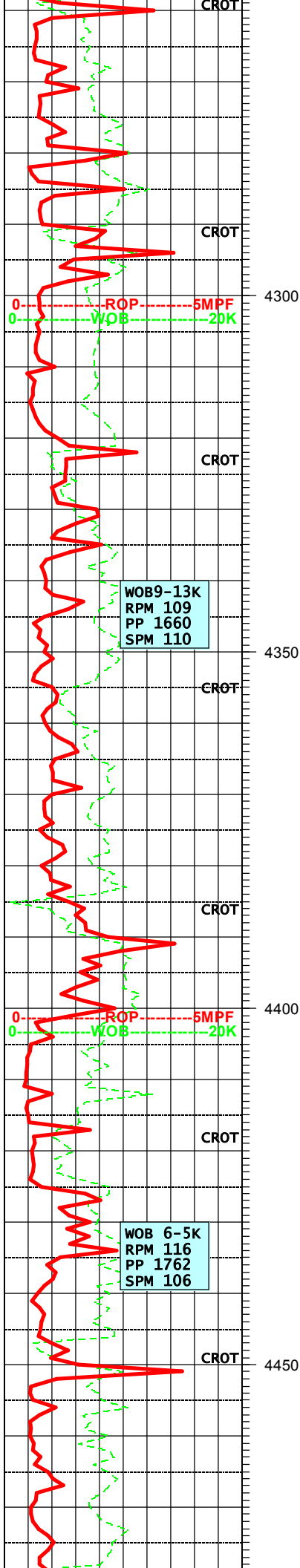
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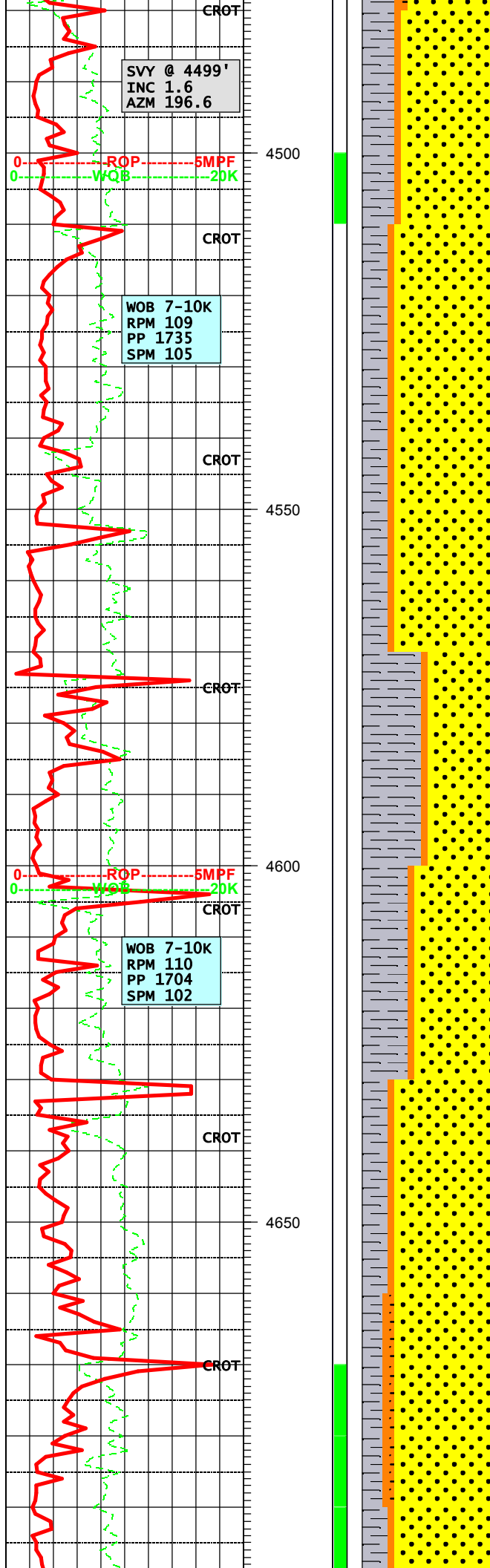
SCALE CHANGE
GAS -200u
GAS -2%
CO2 -10%

MWI 9.6
VIS 44
MWO 9.6
VIS 44

GAS -200u
GAS -2%
CO2 -10%

MWI 9.6
VIS 44
MWO 9.6
VIS 44





SANDSTONE: OFF WHT-LT GRY, FRSTY, S&P IP, VF-F GRNS, SB ANG-SB RDD, MOD SRTD, MOD CONS, MOD CMTD

SHALE: LT-MED GRY, SFT-MOD HRD, SB BLKY-BLKY, RTHY, DLL LSTR

SANDSTONE: OFF WHT-FRSTY, S&P, F-MED GRNS, FRIA IP, MOD SRTD, MOD CONS, MOD CMTD, SLI CALC CMT

SANDSTONE: OFF WHT-LT GRY, FRSTY, S&P IP, F-MED GRNS, SB RDD-SB ANG, W/MOD SRTD, MOD CONS, MOD CMTD, CALC CMT, TR PYR

SHALE: LT-MED GRY, OCC GRN, TN, SFT-MOD FRM, SB BLKY-BLKY, PLTY IP, SLI AREN, DLL SLTR, V/GRTT TXT

SILTSTONE: LT GRY, TN, RDBRN, RTHY, SB BLKY-BLKY, DLL LSTR VF GRNS,

SANDSTONE: OFF WHT, FRSTY S&P, VF-F GRNS SB RDD-RDD, MOD CONS, MOD SRTD, MOD CMTD, SLI CALC CMT

SHALE: LT-MED GRY OCC GRN, TN, SFT-MOD FRM, V/GRTT TXT, DLL LSTR,

SHALE: LT-MED GRY, SFT-MOD HRD, SB BLKY-BLKY, SLI AREN, SLI CARB, DLL LSTR, V/GRTT TXT, NON CALC

SANDSTONE: OFF WHT-LT GRY, FRSTY, S&P IP, VF-MED GRNS, SB ANG-ANG, MOD SRTD, MOD CONS, MOD CMTD, SLI CALC CMT

SANDSTONE: OFF WHT, GY, TRNSL, OCC CLR, MHD-HD, MOD CONS, VF-F GR, SB ANG-ANG, MOD SRTD, SILS COMP, MOD CMTD, CALS/SILS CMTD

SILTSTONE: DK GY, BRN, LT GY, SFT, AMOR-SB BLKY, RTHY W/GRTT TXT & DULL

SHALE: DKGY-LTGY, SFTMOD FRM, BLKY-SB PLTY, IREG, SLTY, ARG, V CLAYEY, SLI CALC

SANDSTONE: OFF WHT, GY, TRNSL, OCC CLR, MHD-HD, MOD CONS, VF-F GR, SB ANG-ANG, MOD SRTD, SILS COMP, MOD CMTD, CALS/SILS CMTD

SILTSTONE: DK GY, BRN, LT GY, SFT, AMOR-SB BLKY, RTHY W/GRTT TXT & DULL

SHALE: DKGY-LTGY, SFTMOD FRM, BLKY-SB PLTY, IREG, SLTY, ARG, V CLAYEY, SLI CALC

SANDSTONE: OFF WHT-LT GRY, FRSTY, S&P, F-MED GRNS, FRIA IP, MOD SRTD, MOD CONS, MOD CMTD, SILS COMP, CALC CMT

SHALE: LT-MED GRY, SB BLKY-BLKY, SFT-MOD FRM, V/GRTT TXT, DLL LSTR, RTHY IP, NON CALC

SANDSTONE: OFF WHT-LT GRY, VF-F GRNS, SB ANG-ANG, FRSTY, S&P IP, MOD CONS, MOD SRTD, SLI CALC CMT

SCALE CHANGE

GAS 10000u

GAS 10%

CO2 10%

628u

SHOW # 7

5/4/2008

MWI 9.5
VIS 41
MWO 9.5
VIS 42

SCALE CHANGE

GAS 10000u

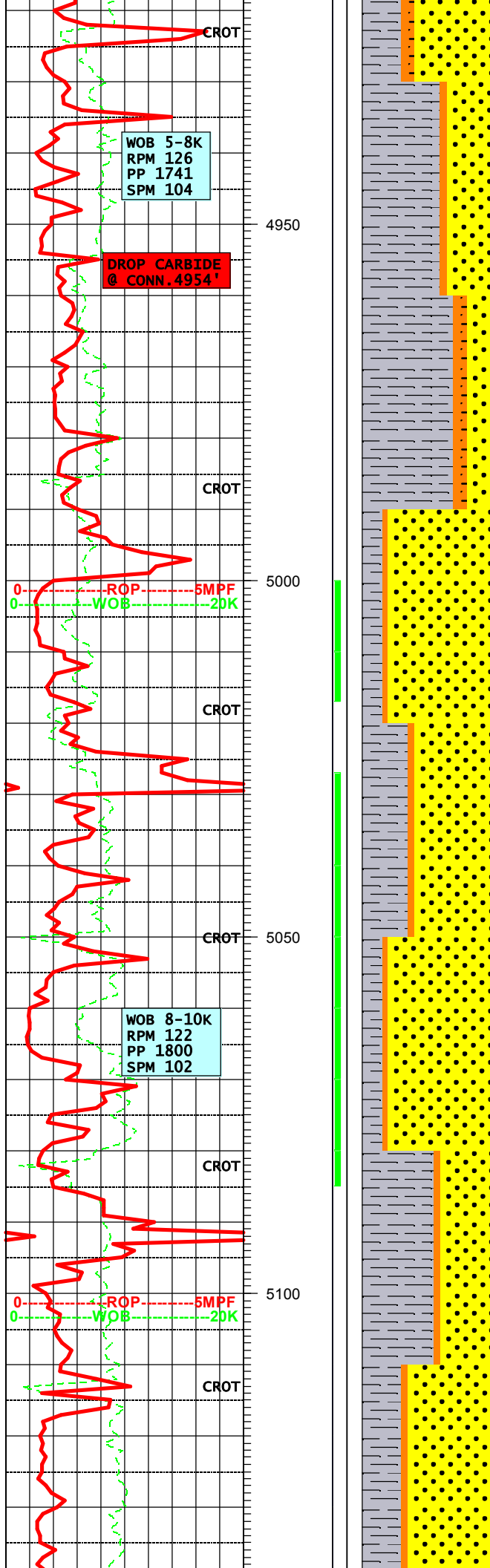
GAS 100%

CO2 10%

MWI 9.6
VIS 41
MWO 9.7
VIS 43

SHOW # 8

8597u



SHALE: LT-MED GRY, OCC GRN, TN, RTHY, SB BLKY-BLKY SFT-MOD FRM

SANDSTONE: OFF WHT, GY, TRNSL, OCC CLR, MHD-HD, MOD CONS, VF-F GR, SB ANG-ANG, MOD SRDT, SILS COMP, MOD CMTD, CALS/SILS CMTD

SILTSTONE: DK GY, BRN, LT GY, SFT, AMOR-SB BLKY, RTHY W/GRITT TXT & DULL

SHALE: DKGY-LTGY, SFTMOD FRM, BLKY-SB PLTY, IREG, SLTY, ARG, V CLAYEY, SLI CALC

SILTSTONE: LT GRY, TN, RDBRN, RTHY, SB BLKY-BLKY, DLL LSTR VF GRNS,

SANDSTONE: OFF WHT-LT GRY, FRSTY, S&P, VF-MED GRNS, W/MOD SRDT, MOD CONS, MOD CMTD, CALC CMT

SHALE: LT-MED GRY, OCC GRN, TN, RTHY, SB BLKY-BLKY SFT-MOD FRM

SHALE: LT-DK GRY, SFT-MOD HRD, PLTY IP, SB BLKY-BLKY V/CLAYEY, SLI CALC V/GRTTY TXT, DLL RTHY GRITTY LSTR, SLI CALC

SANDSTONE: LT GY-GY, TRNSL-OFF WHT, FRM-HD, MOD IND, VF-M GR, VF GRDG TO SLST, OCC LSE CALC GRS, SB ANG-SB RND, MOD TT CONS, MODSRDT, CALC CMT, P-M CMTD, TR LSE QTZ GRS, TT INTGRN POR, NO VIS STNG, NO FLOR

SHALE: LT-DK GRY, SFT-MOD HRD, BLKY-SB BLKY, RGH-GRTT TXT, SLI CARB, PLTY IP, SPLNTY IP, SLI CALC

SANDSTONE: TRANSL, OFF-WH, LT GY, MOD IND, F-C GR, SBRND, ANG IP, V MOD SRDT, MOD CONS, SIL CMT, OCC LSE CALC GRNS, P-M CMTD, TR LSE QTZ GRNS, SLI CALC, NSFOC, NO VIS SHOW, TR MIN FLOR

SANDSTONE: S & P, TRANSL, OFF-WH, LT GY, MOD IND, VVF-F GR, SB ANG-SB RDD, MOD SRDT, MOD CONS, CMTD CLSTRS, P-M CMTD, ABDNT LSE CALC GRNS, TT VIS INTGRN POR, SLI CALC, WK MIN FLOR

SHALE: DKGY-LTGY, TN, BRN, LAM, SFT-MFRM, BLKY-SB PLTY, IREG, SLTY, AREN, OCC CARB, SLI CALC

SANDSTONE: S & P, TRANSL, OFF-WH, LT GY, MOD IND, VVF-F GR, SB ANG-SB RDD, MOD SRDT, MOD CONS, CMTD CLSTRS, P-M CMTD, ABDNT LSE CALC GRNS, TT VIS INTGRN POR, SLI CALC, WK MIN FLOR

SHALE: LT-DK GRY, SFT-MOD HRD, BLKY-SB BLKY, RGH-GRTT TXT, SLI CARB, PLTY IP, SPLNTY IP, SLI CALC

SANDSTONE: OFF WHT-LT GRY, FRSTY, S&P IP, F-MED GRNS, SB RDD-SB ANG, W/MOD SRDT, MOD CONS, MOD CMTD, CALC CMT, TR PYR

SHALE: LT-MED GRY, OCC GRN, TN, SFT-MOD FRM, SB BLKY-BLKY, PLTY IP, SLI AREN, DLL LSTR, V/GRTT TXT

SILTSTONE: LT GRY, TN, RDBRN, RTHY, SB BLKY-BLKY, DLL LSTR W/VF GRNS

449u

MWI 9.7
VIS 40
MWO 9.7
VIS 40

CARBIDE

CARBIDE LAG
CALC = 2670 STKS
CARBIDE= 2775 STKS
SUGGEST 4% w/o

SHOW # 10

1064u

SCALE CHANGE
GAS 2000u
GAS 25%
CO2 10%

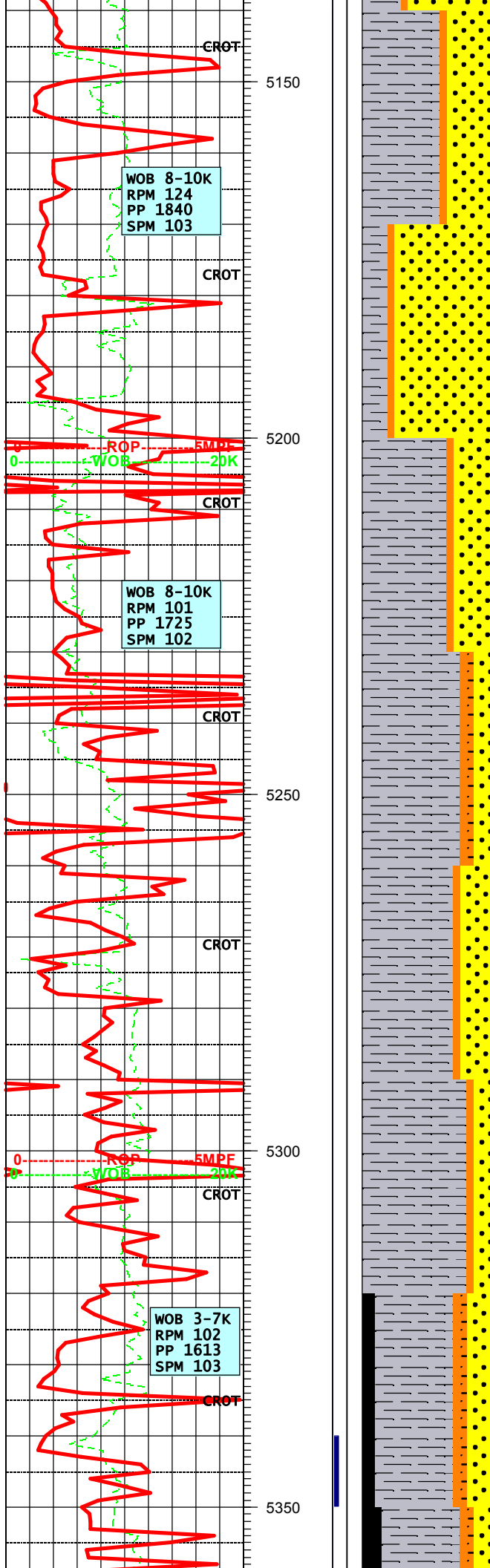
SHOW # 11

1088u

1365u

MWI 9.7
VIS 40
MWO 9.7
VIS 40

SCALE CHANGE
GAS 500u
GAS 5%
CO2 10%



SHALE: LT-DK GRY, SFT-MOD HRD, BLKY-SB BLKY, RGH-GRTT TXT, SLI CARB, PLTY IP, SPLNTY IP, SLI CALC

SANDSTONE: TRANSL, OFF-WH, LT GY, MOD IND, F-C GR, SBRND, ANG IP, V MOD SRD, MOD CONS, SIL CMT, OCC LSE CALC GRNS, P-M CMTD, TR LSE QTZ GRNS, SLI CALC, NSFOC, NO VIS SHOW, TR MIN FLOR

MWI 9.7+
VIS 42
MWO 9.7
VIS 41

SANDSTONE: LT GY-GY, TRNSL-OFF WHT, FRM-HD, MOD IND, VF-M GR, VF GRDG TO SLST, OCC LSE CALC GRS, SB ANG-SB RNDD, MOD TT CONS, MODSRD, CALC CMT, P-M CMTD, TR LSE QTZ GRS, TT INTGRN POR, NO VIS STNG, NO FLOR

SHALE: LT-MED GRY, OCC GRN, TN, SFT-MOD FRM, SB BLKY-BLKY, PLTY IP, SLI AREN, DLL SLTR, V/GRTT TXT

SHALE: LT-DK GRY, SFT-MOD HRD, BLKY-SB BLKY, RGH-GRTT TXT, SLI CARB, PLTY IP, SPLNTY IP, SLI CALC

GAS -500u
GAS -5%
CO2 -10%

SANDSTONE: TRANSL, OFF-WH, LT GY, MOD IND, F-C GR, SBRND, ANG IP, V MOD SRD, MOD CONS, SIL CMT, OCC LSE CALC GRNS, P-M CMTD, TR LSE QTZ GRNS, SLI CALC, NSFOC, NO VIS SHOW, TR MIN FLOR

SANDSTONE: OFF WHT-LT GRY, FRSTY, S&P IP, F-MED GRNS, SB RDD-SB ANG, W/MOD SRD, MOD CONS, MOD CMTD, CALC CMT, TR PYR

SHALE: LT-MED GRY, OCC GRN, TN, SFT-MOD FRM, SB BLKY-BLKY, PLTY IP, SLI AREN, DLL SLTR, V/GRTT TXT

MWI 9.7
VIS 41
MWO 9.7
VIS 44

SILTSTONE: LT GRY, TN, RDBRN, RTHY, SB BLKY-BLKY, DLL LSTR W/VF GRNS

SHALE: MED-DK GRY, SFT-MOD HRD, BLKY-SB BLKY, RGH-GRTT TXT, SLI CARB, PLTY IP, SPLNTY IP, SLI CALC

SANDSTONE: TRANSL, OFF-WH, LT GY, MOD IND, F-C GR, SBRND, ANG IP, V MOD SRD, MOD CONS, SIL CMT, OCC LSE CALC GRNS, P-M CMTD, TR LSE QTZ GRNS, SLI CALC, NSFOC, NO VIS SHOW, TR MIN FLOR

SHALE: LT-DK GRY, SB BLKY-BLKY, SFT-MOD FRM, RGH-GRTT TXT, SLI AREN, SLI CARB, PLTY IP, SLI CALC

SHALE: LT-DK GRY, SFT-MOD HRD, BLKY-SB BLKY, V/GRTT RGH TXT, DLL LSTR, SLI AREN, SLI CARB, PLTY IP,

SCALE CHANGE
GAS -500u
GAS -5%
CO2 -10%

SANDSTONE: OFF WHT-LT GRY, VF-F GRNS, SB ANG-ANG, MOD SRD, MOD CONS, MOD CMTD, SLI CALC CMT

5/5/2008
MWI 9.7
VIS 41
MWO 9.7
VIS 44

COAL: BLK-DK BRN, MD HRD, V/BRTT, GLSSY, PLTY, SPLNTY, BLKY

SHALE: LT-DK GRY, OCC BRN, TN, SFT-MOD HRD, SB BLKY-BLKY, PLTY IP, V/GRTT TXT, DLL LSTR, SLI AREN

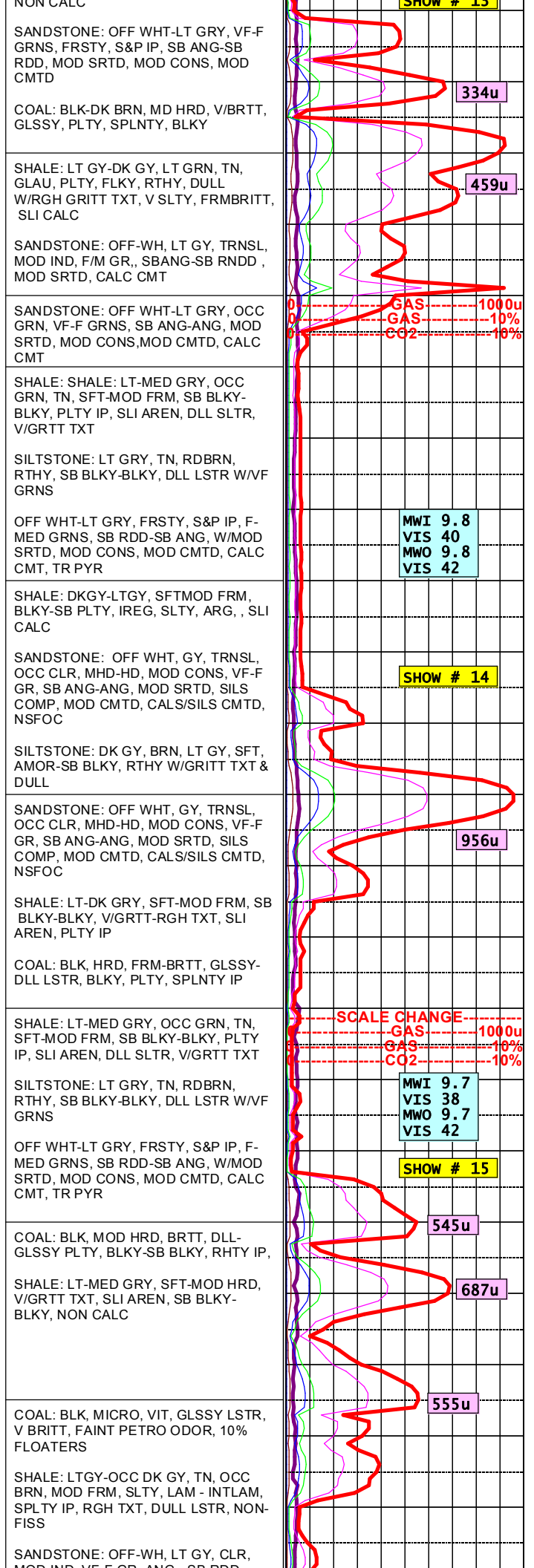
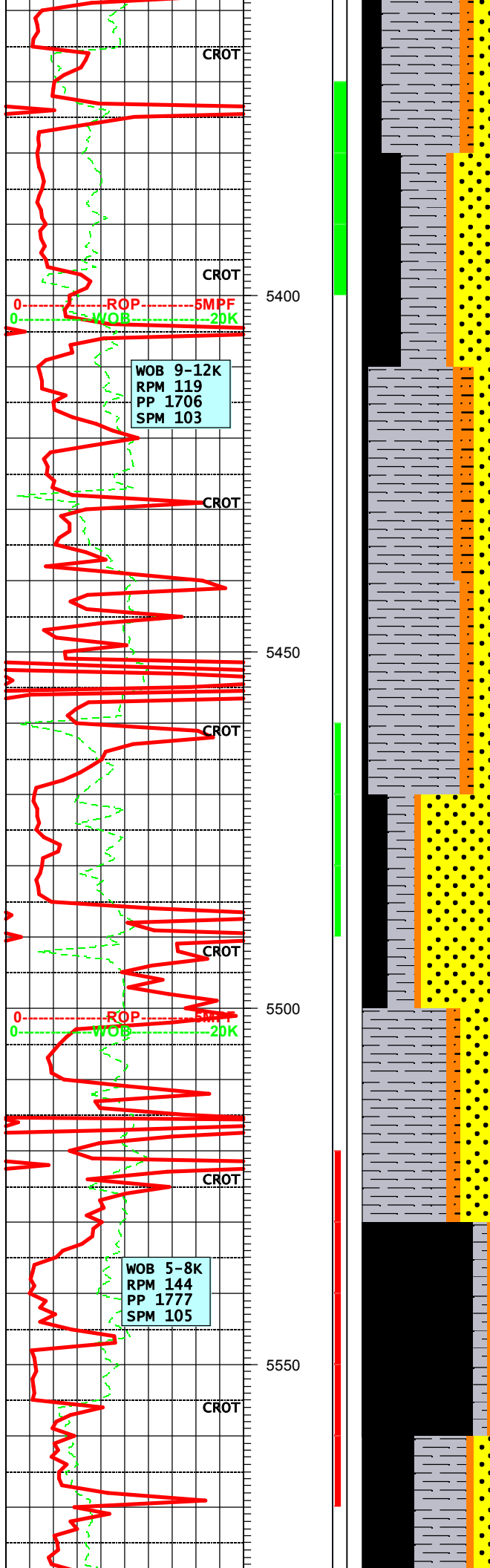
SHOW # 12

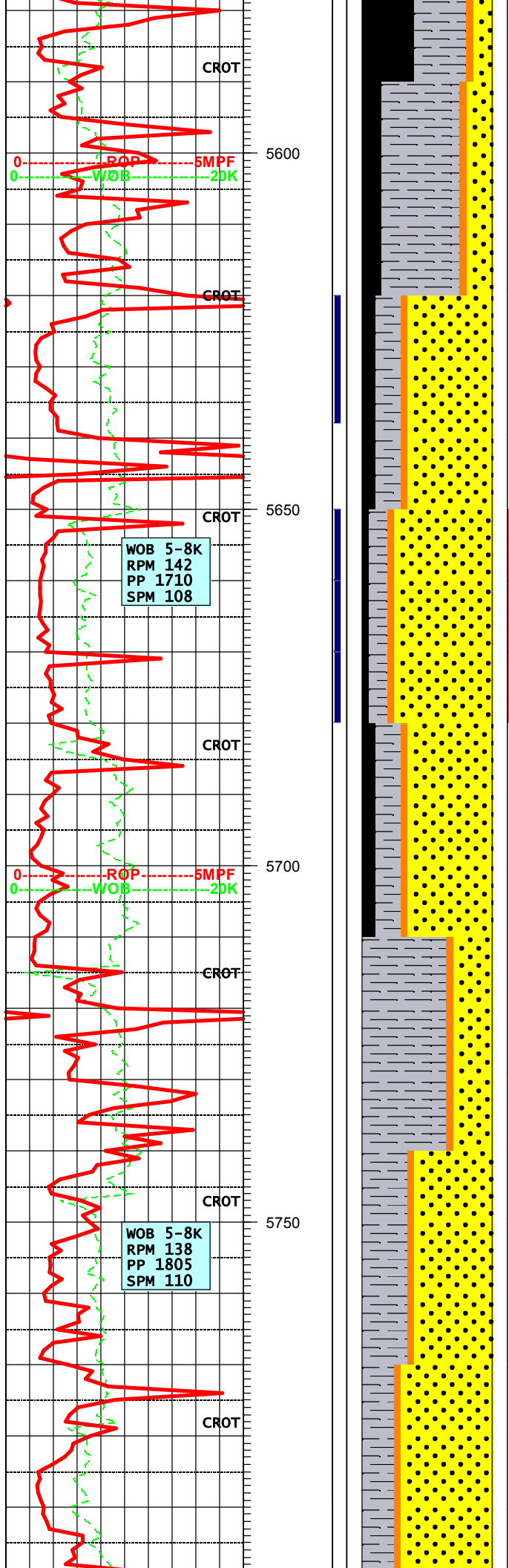
SANDSTONE: OFF WHT-LT GRY, FRSTY S&P IP, VF-F GRNS, M/W CONS, MOD SRD, MOD CMTD, SLI CALC CMT

296u

SHALE: LT-MED GRY, OCC GRN, OCC TN, SFT-MOD FRM, SB BLKY-BLKY, DLL LSTR, V/GRTT TXT, SLI AREN, NON CALC

SHOW # 12





MOD IND, VF-F GR, ANG - SB RDD,
ELG-SB SPHER, MOD-W SRTD, SIL &
MOD CMTD, CMTD CLUSTERS, PRED
CONS, VIT, FRIA IP., FR VIS INTGRN
POR, NO VIS SHOW

SHALE: MED-DK GRY, RDSH, MOD
FRM-FRM, SB BLKY-BLKY, PLTY IP, SLI
AREN, DLL SLTR, V/GRTT TXT

SHALE: LT-DK GRY, SFT-MOD HRD,
BLKY-SB BLKY, RGH-GRTT TXT, SLI
CARB, PLTY IP, SPLNTY IP, SLI CALC
SANDSTONE: TRANSL, OFF-WH, LT
GY, MOD IND, F-C GR, SBRND, ANG IP,
V MOD SRTD, MOD CONS, SIL CMT,
OCC LSE CALC GRNS, P-M CMTD, TR
LSE QTZ GRNS, SLI CALC, NSFOC

COAL: BLK, MICRO, VIT, GLSSY LSTR,
V BRITT, FAINT PETRO ODOR, 5%
FLOATERS

SANDSTONE: OFF-WH, LT GY, CLR,
MOD IND, VF-F GR, ANG - SB RDD,
ELG-SB SPHER, MOD-W SRTD, SIL &
MOD CMTD, CMTD CLUSTERS, PRED
CONS, VIT, FRIA IP., FR VIS INTGRN
POR, NO FLOR

SANDSTONE: OFF-WH, LT GY, CLR,
MOD IND, VF-F GR, ANG - SB RDD,
ELG-SB SPHER, MOD-W SRTD, SIL &
MOD CMTD, CMTD CLUSTERS, PRED
CONS, VIT, FRIA IP., FR VIS INTGRN
POR, 5-8% DULL YELL FLUOR, NO CUT

COAL: BLK, MOD HRD, BRIT, DLL-
GLSSY PLTY, BLKY-SB BLKY, RHTY IP

SHALE: LT-MED GRY, SFT-MOD HRD,
V/GRTT TXT, SLI AREN, SB BLKY-
BLKY, NON CALC

SHALE: LT-DK GRY, SFT-MOD HRD,
BLKY-SB BLKY, RGH-GRTT TXT, SLI
CARB, PLTY IP, SPLNTY IP, SLI CALC
SANDSTONE: TRANSL, OFF-WH, LT
GY, MOD IND, F-C GR, SBRND, ANG IP,
V MOD SRTD, MOD CONS, SIL CMT,
OCC LSE CALC GRNS, P-M CMTD, TR
LSE QTZ GRNS, SLI CALC, NSFOC

SHALE: MED-DK GRY, RDSH, MOD
FRM-FRM, SB BLKY-BLKY, PLTY IP, SLI
AREN, DLL SLTR, V/GRTT TXT

SHALE: LT-DK GRY, SFT-MOD HRD,
BLKY-SB BLKY, RGH-GRTT TXT, SLI
CARB, PLTY IP, SPLNTY IP, SLI CALC

SANDSTONE: TRANSL, OFF-WH, LT
GY, MOD IND, VF-C GR, SBRND, ANG
IP, V MOD SRTD, MOD CONS, SIL CMT,
OCC LSE CALC GRNS, P-M CMTD, TR
LSE QTZ GRNS, SLI CALC, NSFOC, TR
MIN FLUOR

SILTSTONE: LT GRY, TN, RDBRN,
RTHY, SB BLKY-BLKY, DLL LSTR VF
GRNS,

SANDSTONE: OFF WHT-LT GRY,
FRSTY, S&P, VF-MED GRNS, W/MOD
SRTD, MOD CONS, MOD CMTD, CALC
CMT, NSFOC

SHALE: LT-MED GRY, MOD FRM-FRM,
RTHY, SB BLKY-BLKY, CARB COAL
INCL, SLI CALC

SANDSTONE: OFF WHT, GY, TRANSL,
OCC CLR, MHD-HD, MOD CONS, VF-F
GR, SB ANG-ANG, MOD SRTD, SILS
COMP, MOD CMTD, CALS/SILS CMTD

SILTSTONE: DK GY, BRN, LT GY, SFT,
AMOR-SB BLKY, RTHY W/GRTT TXT &
DULL

SHALE: DKGY-LTGY, MOD FRM, BLKY-
SB PLTY, IREG, SLTY, AREN, SLI CALC

SHOW # 16

367u

SCALE CHANGE
GAS 2000u
GAS 20%
CO2 10%

SHOW # 17

800u

MWI 9.7+
VIS 41
MWO 9.7+
VIS 42

SHOW # 18

1571u

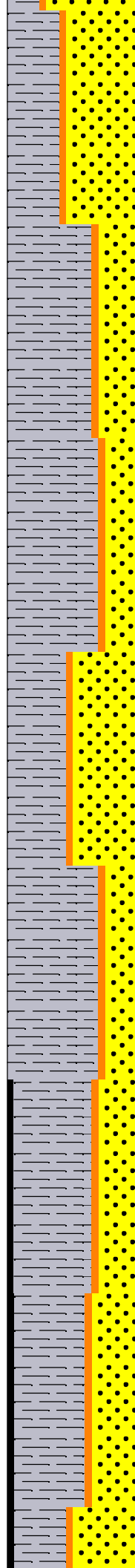
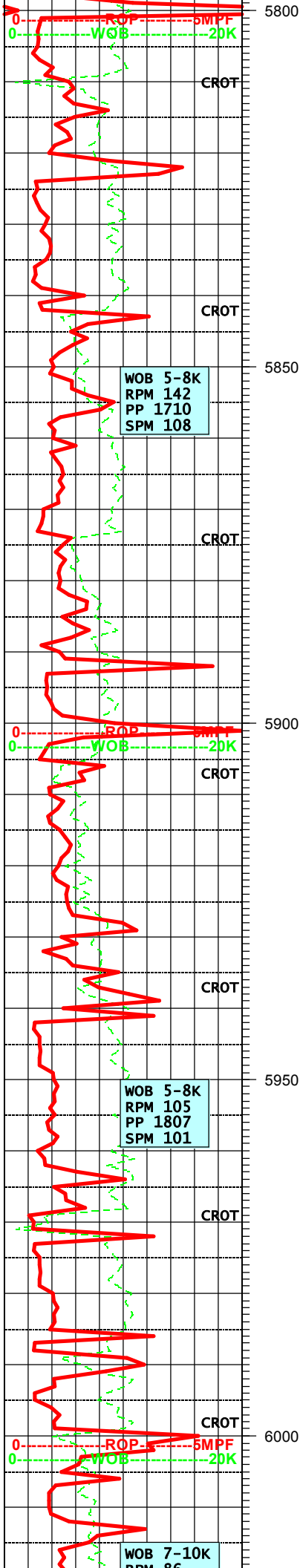
1130u

SCALE CHANGE
GAS 500u
GAS 5%
CO2 10%

MWI 9.7+
VIS 41
MWO 9.7+
VIS 42

SHOW # 19

211u



SANDSTONE: LT GY-GY, TRNSL-OFF WHT, FRM-HD, MOD IND, VF-M GR, VF GRDG TO SLST, OCC LSE CALC GRS, SB ANG-SB RNDD, MOD TT CONS, MODSRTD, CALC CMT, P-M CMTD, TR LSE QTZ GRS, TT INTGRN POR, NO VIS STNG, NO FLOR

SHALE: LTGY-OCC DK GY, TN, OCC BRN, MOD FRM, SLTY, LAM - INTLAM, SPLTY IP, RGH TXT, DULL LSTR, NON-FISS

SHALE: LT-DK GRY, SFT-MOD HRD, BLKY-SB BLKY, RGH-GRTT TXT, SLI CARB, PLTY IP, SPLNTY IP, SLI CALC

SANDSTONE: TRANSL, OFF-WH, LT GY, MOD IND, F-C GR, SBRND, ANG IP, V MOD SRTD, MOD CONS, SIL CMT, OCC LSE CALC GRNS, P-M CMTD, TR LSE QTZ GRNS, SLI CALC, NSFOC, NO VIS SHOW, TR MIN FLOR

SANDSTONE: OFF WHT-LT GRY, FRSTY, S&P IP, F-MED GRNS, SB RDD-SB ANG, W/MOD SRTD, MOD CONS, MOD CMTD, CALC CMT, TR PYR

SHALE: LT-MED GRY, OCC GRN, TN, SFT-MOD FRM, SB BLKY-BLKY, PLTY IP, SLI AREN, DLL SLTR, V/GRTT TXT

SILTSTONE: LT GRY, TN, RDBRN, RTHY, SB BLKY-BLKY, DLL LSTR W/VF GRNS

SHALE: LT-DK GRY, SFT-MOD HRD, BLKY-SB BLKY, RGH-GRTT TXT, SLI CARB, PLTY IP, SPLNTY IP, SLI CALC

SHALE: LT-DK GRY, MOD HRD, PLTY IP, SB BLKY-BLKY, SLI CALC V/GRTTY TXT, DLL LSTR
SANDSTONE: OFF WHT-LT GRY FRSTY IP, VF-F GRNS, OCC TRNSL GRNS, SB ANG-SB RDD, MOD SRTD, MOD CMTD, MOD CONS, SLI CALC CMT

SHALE: LT-DK GRY, MOD HRD-HRD, BLKY-SB BLKY, RGH-GRTT TXT, SLI CARB, PLTY IP, SPLNTY IP, SLI CALC

SANDSTONE: TRANSL, OFF-WH, LT GY, MOD IND, F-C GR, SBRND, ANG IP, V MOD SRTD, MOD CONS, SIL CMT, OCC LSE CALC GRNS, P-M CMTD, TR LSE QTZ GRNS, SLI CALC, NSFOC, NO VIS SHOW, TR MIN FLOR

SHALE: LT-DK GRY, SFT-MOD HRD, BLKY-SB BLKY, RGH-GRTT TXT, SLI CARB, PLTY IP, SPLNTY IP, SLI CALC

SANDSTONE: TRANSL, OFF-WH, LT GY, MOD IND, F-C GR, SBRND, ANG IP, V MOD SRTD, MOD CONS, SIL CMT, OCC LSE CALC GRNS, P-M CMTD, TR LSE QTZ GRNS, SLI CALC, NSFOC

SANDSTONE: OFF WHT-LT GRY, S&P IP, FRSTY IP, F-GRNS, OCC TRNSL GRNS, SB ANG-ANG, MOD SRTD, MOD CONS, MOD CMTD

SHALE: LT-MED GRY, MOD SFT-HRD, SB BLKY-BLKY, RGH-GRTT TXT, SLI AREN

SHALE: LT-MED GRY, SFT-FRM, SB BLKY-BLKY, V/GRTT TXT, DLL LSTR, SLI AREN, SLI CARB

SANDSTONE: OFF WHT-LT GRY, S&P IP, FRSTY, VF-F GRNS, SB RDD-RDD, MOD CONS, MOD SRTD, MOD CMTD, SLI CALC CMT

GAS -500u
GAS -5%
CO2 -10%

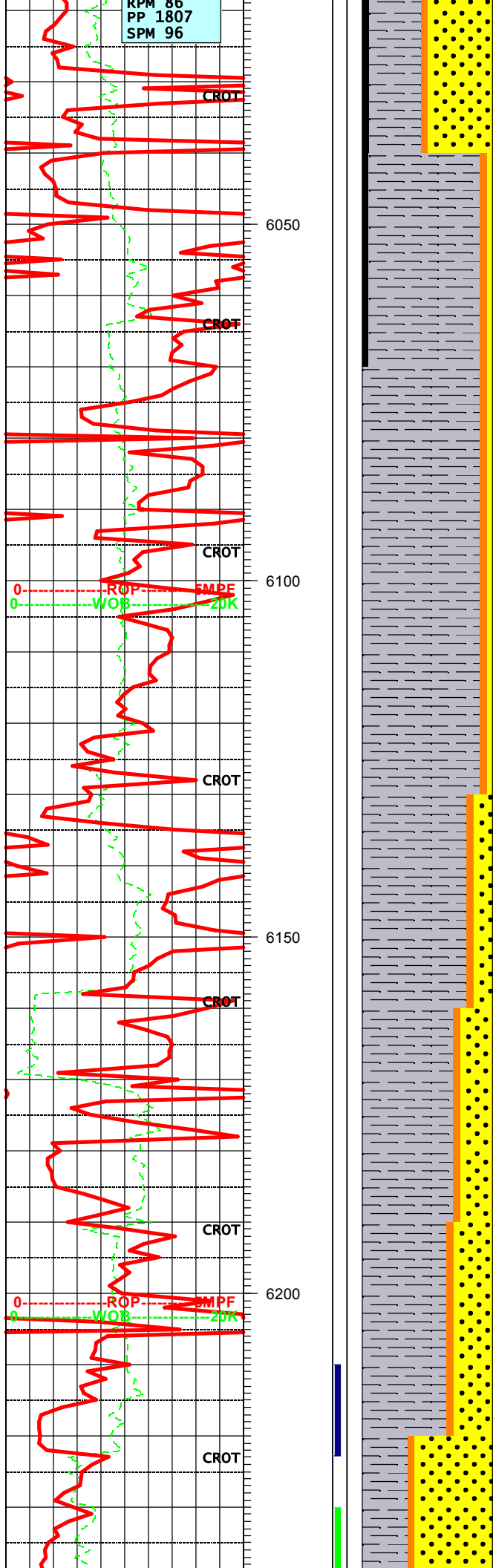
MWI 9.8
VIS 40
MWO 9.8
VIS 41

GAS -500u
GAS -5%
CO2 -10%

MWI 9.8
VIS 40
MWO 9.8
VIS 41

5/06/2008

GAS -500u
GAS -5%
CO2 -10%



SLI CALC CMT

SHALE: LT-DK GRY, SFT-MOD FRM, SB
BLKY-BLKY, DLL LSTR, RTHY, V/GRTT
TXT

SILTSTONE: MED GRY, TN, SB
BLKYBLKY, SLTY, GRTTY, RTHY

SHALE: LT-DK GRY, OCC RDBRN, OCC
GRN, V/GRTT TXT, RGH TXT, MOD
HRD-HRD, SLI AREN, SB BLKY-BLKY,
PLTY IP,

SILTSTONE: M-LTGY, OCC BRN, SFT-
MOD FRM, AMOR-SB BLKY, RTHY,
GRITT, DLL LSTR

SHALE: LT-MED GRY, OCC RDBRN,
OCC GRN, MOD HRD-HRD V/GRTT-
RGH TXT, SLI AREN BLKY-SB BLKY

SANDSTONE: OFF WHT-LT GRY, VF-F
GRNS, SB ANG-ANG, MOD SRTD, MOD
CMTD, MOD CONS, SLI CALC CMT

SILTSTONE: LT-MED GRY OCC
RDBRN, MOD HRD, AMOR, RTHY, DLL
LSTR

SHALE: LT-DK GRY, SB BLKY-BLKY,
MOD HRD-HRD, V/GRTT TXT, RGH
TXT, DLL LSTR, SLI AREN, SLI CARB,
NON CALC, TR PYR

SANSTONE: OFF WHT-LT GRY, OCC
GRN, VF-F GRNS, FRSTY IP, S&P IP,
SB RDD-RDD, MOD SRTD, MOD CONS,
MOD CMTD

SHALE: LT-MED GRY, OCC RDBRN,
OCC GRN, MOD HRD-HRD V/GRTT-
RGH TXT, SLI AREN BLKY-SB BLKY

SANDSTONE: OFF WHT-LT GRY, VF-F
GRNS, SB ANG-ANG, MOD SRTD, MOD
CMTD, MOD CONS, SLI CALC CMT

SILTSTONE: LT-MED GRY OCC
RDBRN, MOD HRD, AMOR, RTHY, DLL
LSTR

SANDSTONE: OFF WHT-LT GRY, OCC
GRN, FRSTY S&P IP, VF-F GRNS, SB
RDD-RDD, W/MOD SRTD, MOD CONS,
MOD CMTD, CALC CMT

SHALE: LT-DK GRY, OCC TN, MOD
HRD-HRD, SB BLKY-BLKY, PLTY IP SLI
AREN, SLI CARB, V/GRTT-RGH TXT

SHALE: LT-DK GRY, SB BLKY-BLKY,
MOD HRD-HRD, V/GRTT TXT, RGH
TXT, DLL LSTR, SLI AREN, SLI CARB,
NON CALC, TR PYR

SHALE: LT-DK GRY, SFT-MOD HRD,
PLTY IP, SB BLKY-BLKY, AREN, SLI
CALC V/GRTTY TXT, DLL LSTR

SANDSTONE: OFF WHT, GY, TRNSL,
OCC CLR, MHD-HD, MOD CONS, VF-M
GR, SB ANG-SB RNDD, MOD SRTD,
SILS COMP, MOD CMTD, CALS/SILS
CMTD, NSFOC

MWI 9.8
VIS 40
MWO 9.8
VIS 40

GAS -500u
GAS -5%
CO2 -10%

191u

MWI 9.7
VIS 39
MWO 9.7
VIS 41

SHOW # 20

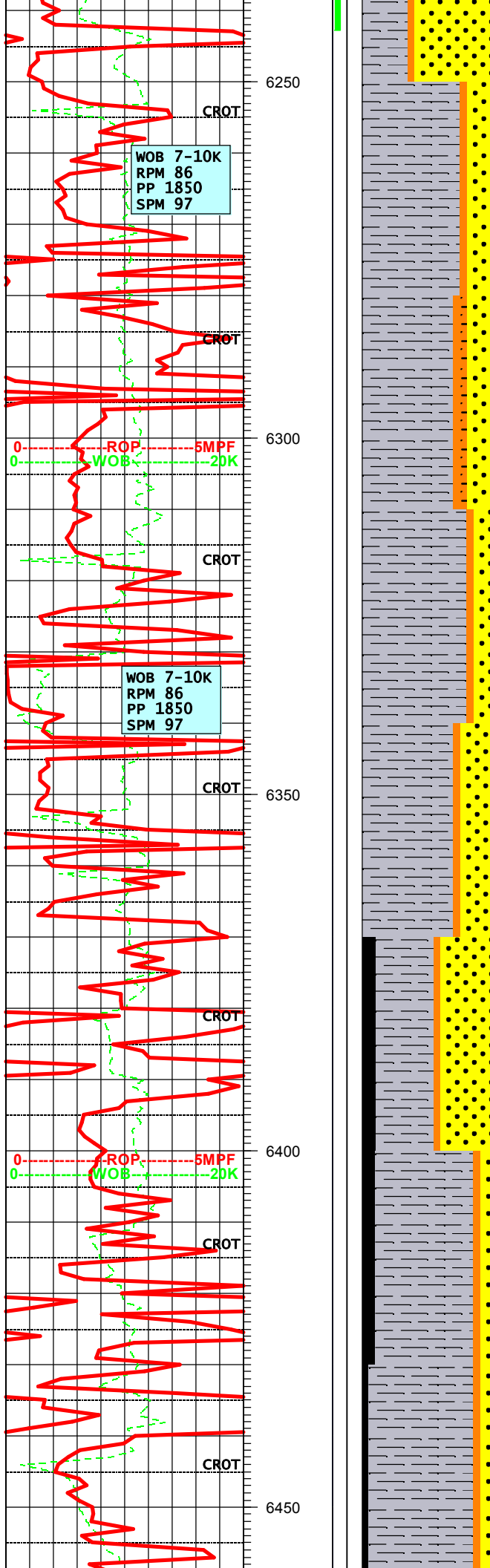
344u

SCALE CHANGE
GAS -1000u
GAS -10%
CO2 -10%

SHOW # 21

444u

711u



SHALE: DKGY-LTGY, SFTMOD FRM, BLKY-SB PLTY, IREG, SLTY, ARG, SLI CALC

SHALE: LT-DK GRY, SFT-MOD HRD, PLTY IP, SB BLKY-BLKY, AREN, SLI CALC V/GRTTY TXT, DLL LSTR

SANDSTONE: OFF WHT-LT GRY FRSTY IP, VF-F GRNS, OCC TRNSL GRNS, SB ANG-SB RDD, MOD SRD, MOD CMTD, MOD CONS, SLI CALC CMT

SILTSTONE: LT GRY, TN, RDBRN, RTHY, SB BLKY-BLKY, DLL LSTR VF GRNS, SANDSTONE: OFF WHT-LT GRY, FRSTY, S&P, VF-MED GRNS, W/MOD SRD, MOD CONS, MOD CMTD, CALC CMT

SHALE: MED-DK GRY, RDSH, MOD FRM-FRM, SB BLKY-BLKY, PLTY IP, SLI AREN, DULL RTHY, SLI GRTT TXT

SANDSTONE: OFF WHT, GY, TRNSL, OCC CLR, MHD-HD, MOD CONS, VF-F GR, SB ANG-ANG, MOD SRD, SILS COMP, MOD CMTD, CALS/SILS CMTD

SILTSTONE: DK GY, BRN, LT GY, SFT, AMOR-SB BLKY, RTHY W/GRITT TXT & DULL

SHALE: DKGY-LTGY, SFTMOD FRM, BLKY-SB PLTY, IREG, SLTY, ARG, V CLAYEY, SLI CALC

SANDSTONE: OFF WHT-LT GRY, FRSTY, S&P IP, F-MED GRNS, SB RDD-SB ANG, W/MOD SRD, MOD CONS, MOD CMTD, CALC CMT, TR PYR

SHALE: LT-MED GRY, OCC GRN, TN, SFT-MOD FRM, SB BLKY-BLKY, PLTY IP, SLI AREN, DLL SLTR, V/GRTT TXT

SILTSTONE: LT GRY, TN, RDBRN, RTHY, SB BLKY-BLKY, DLL LSTR W/VF GRNS

SHALE: LT-DK GRY, SFT-MOD HRD, PLTY IP, SB BLKY-BLKY V/CLAYEY, SLI CALC V/GRTTY TXT, DLL LSTR

SANDSTONE: OFF WHT-LT GRY FRSTY IP, VF-F GRNS, OCC TRNSL GRNS, SB ANG-SB RDD, MOD SRD, MOD CMTD, MOD CONS, SLI CALC CMT

COAL: BLK, MICRO, VIT, GLSSY LSTR, V BRITT, FAINT PETRO ODOR, BITUMINOUS

SHALE: LTGY-OCC DK GY, TN, OCC BRN, MOD FRM, SLTY, LAM - INTLAM, SPLTY IP, RGH TXT, DULL LSTR, NON-FISS

SANDSTONE: OFF-WH, LT GY, CLR, MOD IND, VF-F GR, ANG - SB RDD, ELG-SB SPHER, MOD-W SRD, SIL & MOD CMTD, CMTD CLUSTERS,

SHALE: LT-DK GRY, SB BLKY-BLKY, SFT-MOD FRM, INTLAM, SPLNTY, V/GRTT-RGH TXT, DLL LSTR

SANDSTONE: LT GRY-OFF WHT, FRSTY, S&P IP, VF-F GRNS, MOD SRD, MOD CONS, MOD CMTD, SLI CALC CMT

MWI 9.7
VIS 39
MWO 9.7
VIS 41

SHOW # 22

GAS 1000u
GAS 10%
CO2 10%

521u

CG 429u

MWI 10.0
VIS 38
MWO 10.0
VIS 41

SHOW # 23

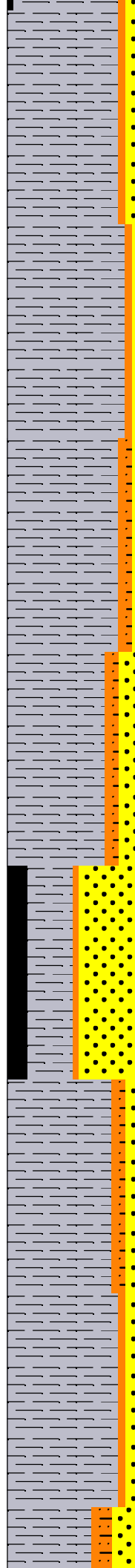
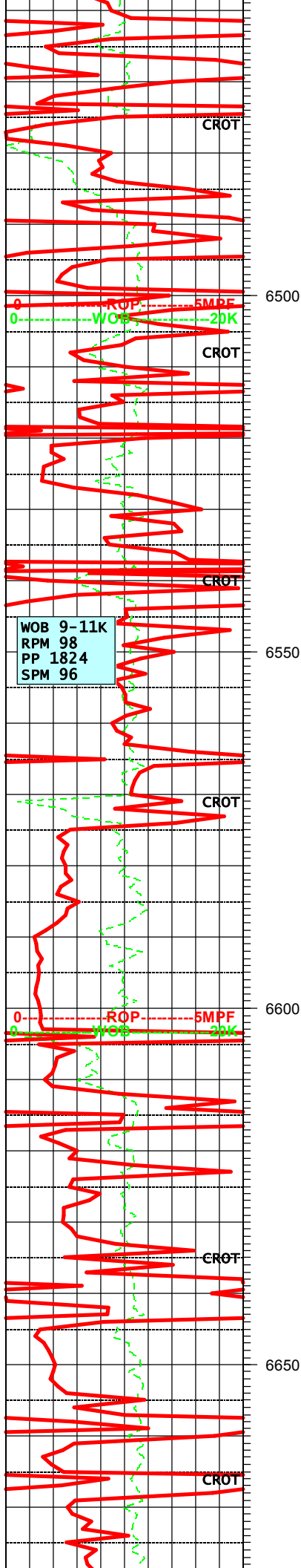
489u

744u

GAS 1000u
GAS 10%
CO2 10%

424u

MWI 9.9
VIS 39
MWO 9.9
VIS 39



SHALE: LT-DK GRY, MOD HRD-HRD, BLKY-SB BLKY, RGH-GRTT TXT, SLI CARB, PLTY IP, SPLNTY IP, SLI CALC

SANDSTONE: TRANSL, OFF-WH, LT GY, MOD IND, F-C GR, SBRND, ANG IP, V MOD SRTD, MOD CONS, SIL CMT, OCC LSE CALC GRNS, P-M CMTD, TR LSE QTZ GRNS, SLI CALC, NSFOC, NO VIS SHOW, TR MIN FLOR

SHALE: LT-DK GRY SFT-MOD HRD, SB BLKY-BLKY, V/GRTT TGH TXT, DLL LSTR, INTLAM, PLTY IP, SPLNTY IP

SHALE: LT-DK GRY, SFT-MOD FRM, SB BLKY-BLKY, V/GRTT TXT, DLL LSTR, INTLAM, SLI AREN

SANDSTONE: OFF WHT-LT GRY, VF-F GRNS, SB RDD-RDD, FRSTY IP, S&P, FRIA IP, MOD SRTD, MOD CONS, MOD CMTD, SLI CALC CMT

SHALE: LT-DK GRY, SFT-MOD HRD, PLTY IP, SB BLKY-BLKY V/CLAYEY, SLI CALC V/GRTTY TXT, DLL LSTR

SILTSTONE: DK GY, BRN, LT GY, SFT, AMOR-SB BLKY, RTHY W/GRITT TXT & DULL

SANDSTONE: OFF WHT-LT GRY FRSTY IP, VF-F GRNS, OCC TRNSL GRNS, SB ANG-SB RDD, MOD SRTD, MOD CMTD, MOD CONS, SLI CALC CMT

SHALE: LT-DK GRY, SFT-MOD HRD, PLTY IP, SB BLKY-BLKY SLI CALC V/GRTTY TXT, DLL LSTR

SANDSTONE: OFF WHT-LT GRY FRSTY IP, VF-F GRNS, OCC TRNSL GRNS, SB ANG-SB RDD, MOD SRTD, MOD CMTD, MOD CONS, SLI CALC CMT

OFF WHT-LT GRY FRSTY IP, VF-F GRNS, OCC TRNSL GRNS, SB ANG-SB RDD, MOD SRTD, MOD CMTD, MOD CONS, SLI CALC CMT

LT-DK GRY, SB BLKY-BLKY, SFT-MOD FRM, SPLNTY IP, PLTY IP, SLI CALC, V/GRTT TXT, DLL LSTR

SANDSTONE: OFF WHT-LT GRY, FRSTY, S&P, VF-F GRNS, SB RDD-RDD, MOD SRTD, MOD CMTD, MOD CONS, CALC CMT

SHALE: LT-DK GRY, SFT-FRM, SB BLKY-BLKY, V/GRTT TXT, DLL LSTR, INTLAM, SLI AREN, NON CALC CMT

SANDSTONE: OFF WHT-LT GRY VF-F GRNS, SB RDD-RDD, MOD SRTD, MOD CONS, MOD CMTD, SLI CALC CMT, ABBDNT FR CALCITE

SHALE: LT-DK GRY, MOD HRD-HRD, BLKY-SB BLKY, RGH-GRTT TXT, SLI CARB, PLTY IP, SPLNTY IP, SLI CALC

SANDSTONE: TRANSL, OFF-WH, LT GY, MOD IND, F-C GR, SBRND, ANG IP, V MOD SRTD, MOD CONS, SIL CMT, OCC LSE CALC GRNS, P-M CMTD, TR LSE QTZ GRNS, SLI CALC, NSFOC, NO VIS SHOW, TR MIN FLOR

SANDSTONE: OFF WHT, GY, TRNSL, OCC CLR, MHD-HD, MOD CONS, VF-F GR, SB ANG-ANG, MOD SRTD, SILS COMP, MOD CMTD, CALC CMT

VIS 39

5/07/2008

SCALE CHANGE
GAS 500u
GAS 5%
CO2 10%

MWI 10.0
VIS 39
MWO 9.9
VIS 38

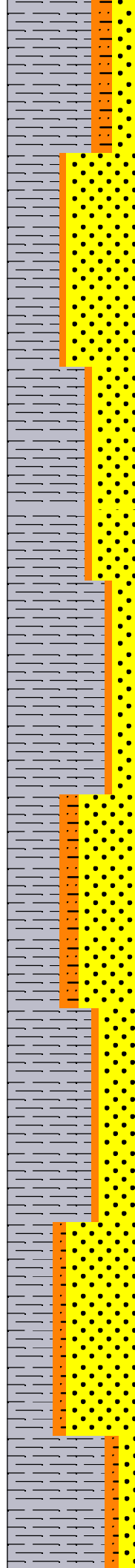
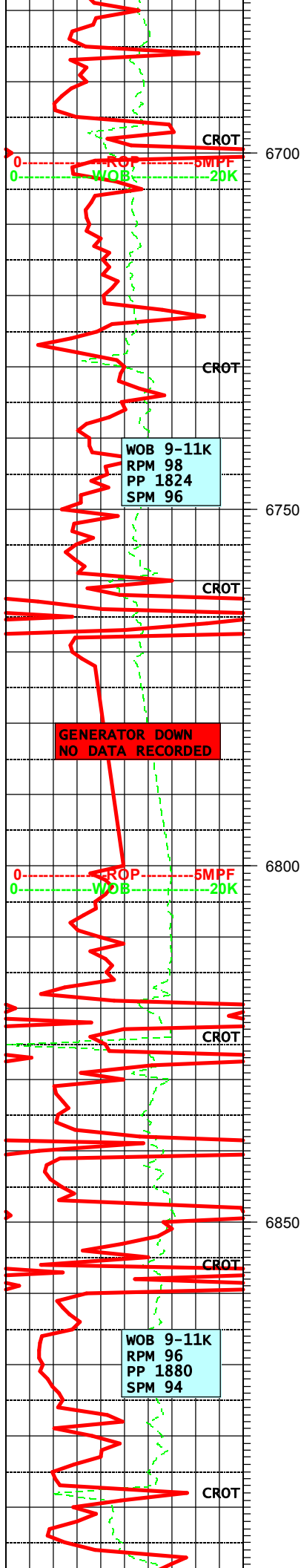
SHOW # 24

453u

GAS 500u
GAS 5%
CO2 10%

426u

MWI 10.0
VIS 40
MWO 10.0
VIS 41



SILTSTONE: DK GY, BRN, LT GY, SFT, AMOR-SB BLKY, RTHY W/GRITT TXT & DULL

SHALE: DKGY-LTGY, SFTMOD FRM, BLKY-SB PLTY, IREG, SLI CALC

SANDSTONE: OFF WHT, GY, TRNSL, OCC CLR, MHD-HD, MOD CONS, VF-F GR, SB ANG-SB RNDD, MOD SRTD, SILS COMP, MOD CMTD, CALS/SILS CMTD, NSFOC

SILTSTONE: DK GY, BRN, LT GY, SFT, AMOR-SB BLKY, RTHY W/GRITT TXT & DULL

SHALE: DKGY-LTGY, MOD FRM-FRM, BLKY-SB PLTY, IREG, CARB COAL MAT, AREN, SLI CALC

SHALE: LT-DK GRY, MOD HRD-HRD, BLKY-SB BLKY, RGH-GRTT TXT, SLI CARB, PLTY IP, SPLNTY IP, SLI CALC

SANDSTONE: TRANSL, OFF-WH, LT GY, MOD IND, F-C GR, SBRND, ANG IP, V MOD SRTD, MOD CONS, SIL CMT, OCC LSE CALC GRNS, P-M CMTD, TR LSE QTZ GRNS, SLI CALC, NSFOC, NO VIS SHOW, TR MIN FLOR

SHALE: LT-DK GRY, MOD HRD-HRD, BLKY-SB BLKY, RGH-GRTT TXT, SLI CARB, PLTY IP, SPLNTY IP, SLI CALC

SANDSTONE: TRANSL, OFF-WH, LT GY, MOD IND, F-C GR, SBRND, ANG IP, V MOD SRTD, MOD CONS, SIL CMT, OCC LSE CALC GRNS, P-M CMTD, TR LSE QTZ GRNS, SLI CALC, NSFOC, NO VIS SHOW, TR MIN FLOR

SHALE: LT-DK GRY, MOD HRD-HRD, BLKY-SB BLKY, RGH-GRTT TXT, SLI CARB, PLTY IP, SPLNTY IP, SLI CALC

SANDSTONE: LT GY-GY, TRNSL-OFF WHT, FRM-HD, MOD IND, VF-M GR, VF GRDG TO SLST, OCC LSE CALC GRS, SB ANG-SB RNDD, MOD TT CONS, MODSRTD, CALC CMT, P-M CMTD, TR LSE QTZ GRS, TT INTGRN POR, NO VIS STNG, NO FLOR

SANDSTONE: OFF WHT, GY, TRNSL, OCC CLR, MHD-HD, MOD CONS, VF-F GR, SB ANG-ANG, MOD SRTD, SILS COMP, MOD CMTD, CALS/SILS CMTD, NSFOC

SILTSTONE: DK GY, BRN, LT GY, SFT, AMOR-SB BLKY, RTHY W/GRITT TXT & DULL

SHALE: DKGY-LTGY, FRM-HD, BLKY-SB PLTY, IREG, AREN, SLI CALC

SHALE: DKGY-LTGY, FRM-HD, BLKY-SB PLTY, IREG, AREN, SLI CALC

SANDSTONE: TRANSL, OFF-WH, LT GY, MOD IND, VF-M GR, SB ANG-SB RNDD, ANG IP, V MOD SRTD, MOD CONS, SIL CMT, OCC LSE CALC GRNS, P-M CMTD, TR LSE QTZ GRNS, SLI CALC, NSFOC, NO VIS SHOW, TR MIN FLOR

SANDSTONE: LT GY-GY, TRNSL-OFF WHT, FRM-HD, MOD IND, VF-M GR, VF GRDG TO SLST, OCC LSE CALC GRS, SB ANG-SB RNDD, MOD TT CONS, MODSRTD, CALC CMT, P-M CMTD, TR LSE QTZ GRS, TT INTGRN POR, NO VIS STNG, NO FLOR

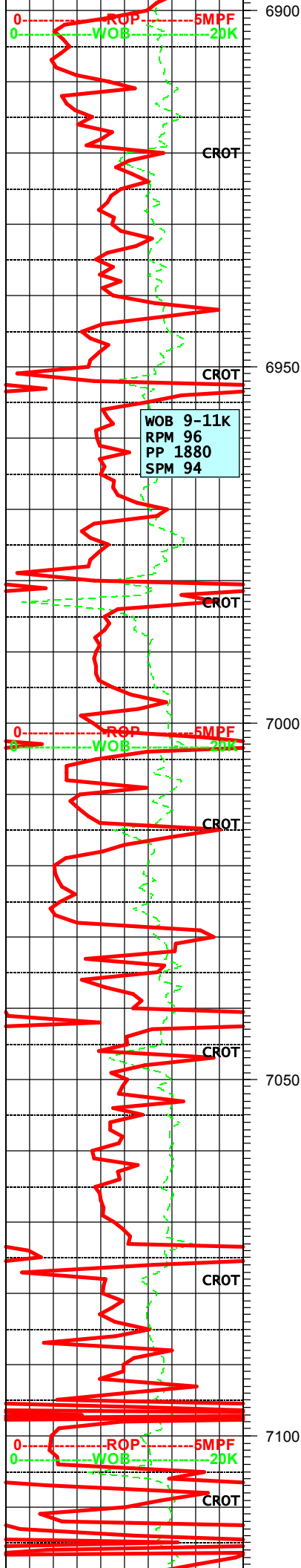
GAS 500u
GAS 5%
CO2 10%

MWI 10.1
VIS 40
MWO 10.0
VIS 41

GENERATOR DOWN
NO DATA RECORDED

GAS 500u
GAS 5%
CO2 10%

MWI 10.1
VIS 42
MWO 10.1
VIS 43



SHALE: LT-DK GRY, SFT-MOD HRD, SB BLKY-BLKY, V/GRTT TXT, INTLAM, DLL LSTR, PLTY IP, SPLNTY IP

SANDSTONE: OFF WHT-LT GRY, FRSTY, S&P IP, VF-F GRNS, SB ANG-SB RDD, MOD SRD, MOD CONS, MOD CMTD, SLI CALC CMT

SHALE: LT-DK GRY, OCC RDBRN, SB BLKY-BLKY, SFT-MOD HRD, V/GRTT TXT-RGH TXT, DLL LSTR, PLTY IP, SPLNTY IP

SHALE: LT-DK GRY, MOD HRD-HRD, BLKY-SB BLKY, RGH-GRTT TXT, SLI CARB, PLTY IP, SPLNTY IP, SLI CALC

SANDSTONE: TRANSL, OFF-WH, LT GY, MOD IND, F-C GR, SBRND, ANG IP, V MOD SRD, MOD CONS, SIL CMT, OCC LSE CALC GRNS, P-M CMTD, TR LSE QTZ GRNS, SLI CALC,

SILTSTONE: LT-MED GRY, OCC RDBRN, RTHY, DLL LSTR, SLTY, SB BLKY-BLKY

SANDSTONE: OFF WHT, GY, TRNSL, OCC CLR, MHD-HD, MOD CONS, VF-F GR, SB ANG-ANG, MOD SRD, SILS COMP, MOD CMTD, CALS/SILS CMTD

SILTSTONE: DK GY, BRN, LT GY, SFT, AMOR-SB BLKY, RTHY W/GRITT TXT & DULL

SHALE: DKGY-LTGY, SFTMOD FRM, BLKY-SB PLTY, IREG, SLTY, ARG, V CLAYEY, SLI CALC

SILTSTONE: LT GRY, TN, RDBRN, RTHY, SB BLKY-BLKY, DLL LSTR VF GRNS,

SANDSTONE: OFF WHT-LT GRY, FRSTY, S&P, VF-MED GRNS, W/MOD SRD, MOD CONS, MOD CMTD, CALC CMT

SHALE: LT-MED GRY, OCC GRN, TN, RTHY, SB BLKY-BLKY SFT-MOD FR

SHALE: LT-MED GRY, OCC GRN, TN, SFT-MOD HRD, RTHY, SB BLKY-BLKY, V/GRTT TXT, DLL LSTR

SANDSTONE: OFF WHT-LT GRY, FRSTY, S&P, VF-MED GRNS, W/MOD SRD, MOD CONS, MOD CMTD, CALC CMT

SHALE: LT-DK GRY, SFT-MOD HRD, OCC GRN, OCC TN, SB BLKY-BLKY, V/GRTT TXT, RGH, DLL LSTR, RTHY

SANDSTONE: OFF WHT-LT GRY, FRSTY, S&P IP, F-MED GRNS, SB RDD-RDD, MOD SRD, MOD CMTD MOD CONS, SLI CALC CMT

LT-MED GRY, RDBRN, DLL LSTR, RTHY, VF GRNS, SLTY, SB BLKY-BLKY

SHALE: LT-MED GRY, SFT-MOD HRD, SB BLKY-BLKY, V/GRTTY TXT, DLL LSTR, RTHY, PLTY IP, SPLNTY IP

SHALE: LT-DK GRY, SFT-MOD FRM, SB BLKY-BLKY, PLTY IP, SPLNTY IP, DLL LSTR, V/GRTT TXT

SANDSTONE: OFF WHT-LT GRY, FRSTY IP, S&P IP, VF-F GRNS, MOD SRD, MOD CMTD, MOD CONS, SLI CALC CMT

GAS -500u
GAS -5%
CO2 -10%

MWI 10.2
VIS 42
MWO 10.2
VIS 43

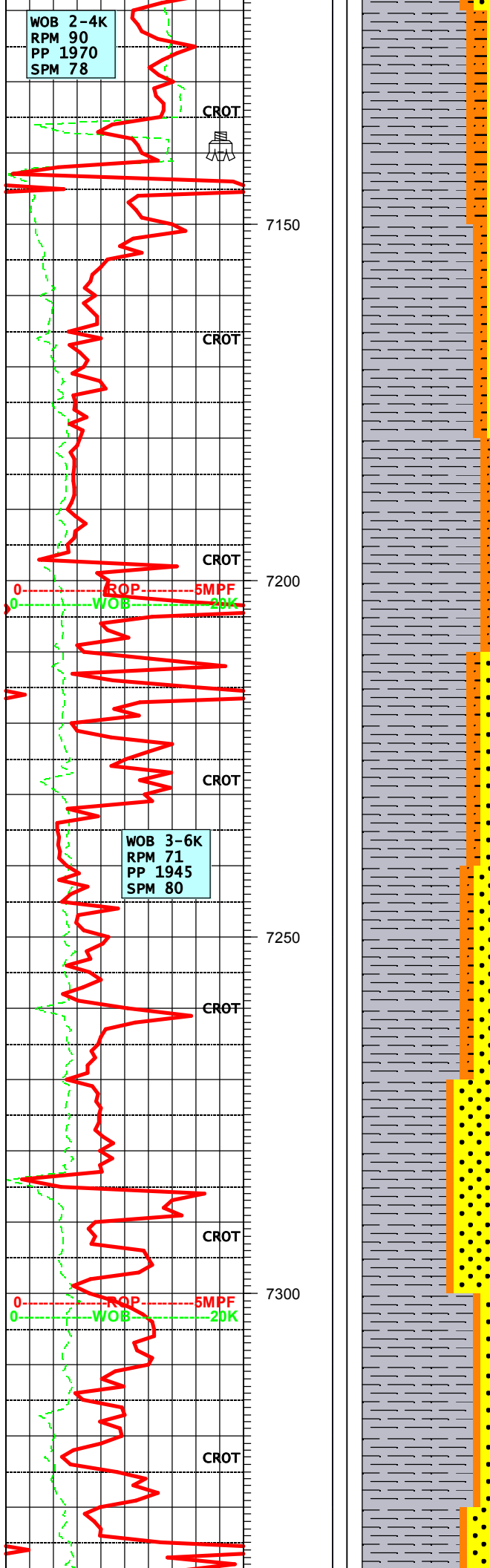
CG 99u

5/8/2008

GAS -500u
GAS -5%
CO2 -10%

MWI 10.2
VIS 42
MWO 10.2
VIS 43

GAS -500u
GAS -5%
CO2 -10%



SANDSTONE: TRANSL, OFF-WH, LT GY, MOD IND, VF-F GR, SBANG-RND, ANG IP, MOD SRD, MOD CONS, SIL CMT, OCC LSE CALC GRNS, P-M CMTD, TR LSE QTZ GRNS, SLI CALC, NSFOC, ABDNT CLAY, TR MIN FLOR

NEW BIT #2, 6.125", HUGHES, Q404, 7119750, JETS 2X13'S & 2X15'S, IN AT 7141 FT, OUT AT 8967 FT.

5/9/2008

SHALE: LT-DK GRY, OCC RDBRN, TN, SFT-MOD HRD, SB BLKY-BLKY, V/GRIT TXT, RGH, SLTY, PLTY IP, NON CALC

MWI 10.2
VIS 43
MWO 10.2
VIS 48

SILTSTONE: LT GRY, TN, RDBRN, RTHY, SB BLKY-BLKY, DLL LSTR VF GRNS, GRIT TXT

SHALE: LT-DK GRY, SB BLKY-BLKY, OCC TN, RDBRN, SFT-MOD HRD, V/GRIT-RGH TXT, PLTY, SLTY, NON CALC

SILTSTONE: LT-MED GRY, TN, RDBRN, SLTY, V/GRIT TXT, RTHY DLL LSTR

SHALE: LT-DK GRY, SFT-MOD HRD, V/GRIT TXT, DLL LSTR, SPLNTY IP, SB BLKY-BLKY, V/SLTY

GAS -500u
GAS -5%
CO2 -10%

SHALE: LT-DK GRY, BLKY-SB BLKY, SFT-MOD HRD, V/GRIT TXT, DLL LSTR, SPLNTY IP PLTY IP, DLL LSTR,

SANDSTONE: OFF WHT-LT GRY, S&P IP, FRSTY, F-MED GRNS, FRIA IP, MOD SRD MOD CONS, MOD CMTD, SLI CALC CMT

SANDSTONE: OFF WHT, GY, TRANSL, OCC CLR, MHD-HD, MOD CONS, VF-F GR, SB ANG-ANG, MOD SRD, MOD CMTD, CALS

MWI 10.3
VIS 46
MWO 10.4
VIS 45

SILTSTONE: DK GY, BRN, LT GY, SFT, AMOR-SB BLKY, RTHY W/GRIT TXT & DULL

SHALE: LT-DK GRY, SFTMOD FRM, BLKY-SB PLTY, SLTY, SLI CALC

SANDSTONE: OFF WHT, GY, TRANSL, OCC CLR, MHD-HD, MOD CONS, VF-F GR, SB ANG-ANG, MOD SRD, SILS COMP, MOD CMTD, CALS/SILS CMTD

SILTSTONE: DK GY, BRN, LT GY, SFT, AMOR-SB BLKY, RTHY W/GRIT TXT & DULL

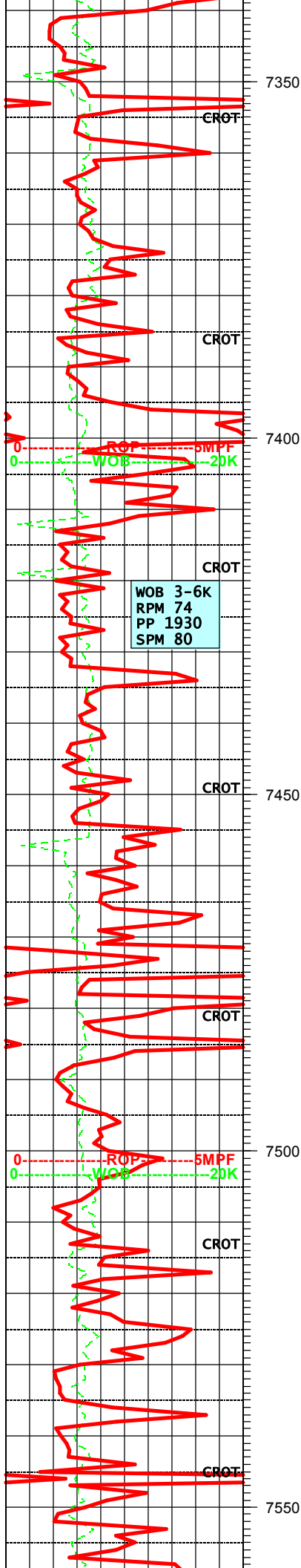
SHALE: DKGY-LTGY, SFTMOD FRM, BLKY-SB PLTY, IREG, SLTY, ARG, V CLAYEY, SLI CALC

SHALE: LT-DK GRY, MOD HRD-HRD, BLKY-SB BLKY, RGH-GRIT TXT, SLI CARB, PLTY IP, SPLNTY IP, SLI CALC

GAS -500u
GAS -5%
CO2 -10%

SANDSTONE: TRANSL, OFF-WH, LT GY, MOD IND, F-C GR, SBRND, ANG IP, V MOD SRD, MOD CONS, SIL CMT, OCC LSE CALC GRNS, P-M CMTD, TR LSE QTZ GRNS, SLI CALC, NSFOC, NO VIS SHOW, TR MIN FLOR

SILTSTONE: LT GRY, TN, RDBRN, RTHY, SB BLKY-BLKY, DLL LSTR VF GRNS,



SANDSTONE: OFF WHT-LT GRY,
FRSTY, S&P, VF-MED GRNS, W/MOD
SRDT, MOD CONS, MOD CMTD, CALC
CMT

SHALE: LT-MED GRY, OCC GRN, TN,
RTHY, SB BLKY-BLKY SFT-MOD FRM

MWI 10.3
VIS 40
MWO 10.3
VIS 42

SHALE: LT-DK GRY, MOD HRD-HRD,
BLKY-SB BLKY, RGH-GRTT TXT, SLI
CARB, PLTY IP, SPLNTY IP, SLI CALC

SANDSTONE: TRANSL, OFF-WH, LT
GY, MOD IND, F-C GR, SBRND, ANG IP,
V MOD SRDT, MOD CONS, SIL CMT,
OCC LSE CALC GRNS, P-M CMTD, TR
LSE QTZ GRNS, SLI CALC, NSFOC, NO
VIS SHOW, TR MIN FLOR

SHALE: MED-DK GRY, RDSH, MOD
FRM-FRM, SB BLKY-BLKY, PLTY IP, SLI
AREN, DLL SLTR, V/GRTT TXT

SHALE: LT-DK GRY, SFT-MOD HRD,
PLTY IP, SB BLKY-BLKY V/CLAYEY, SLI
CALC V/GRTTY TXT, DLL LSTR
SANDSTONE: OFF WHT-LT GRY
FRSTY IP, VF-F GRNS, OCC TRNSL
GRNS, SB ANG-SB RDD, MOD SRDT,
MOD CMTD, MOD CONS, SLI CALC
CMT

GAS -500u
GAS -5%
CO2 -10%

SHALE: LT-DK GRY, MOD HRD-HRD,
BLKY-SB BLKY, RGH-GRTT TXT, SLI
CARB, PLTY IP, SPLNTY IP, SLI CALC

SANDSTONE: TRANSL, OFF-WH, LT
GY, MOD IND, F-C GR, SBRND, ANG IP,
V MOD SRDT, MOD CONS, SIL CMT,
OCC LSE CALC GRNS, P-M CMTD, TR
LSE QTZ GRNS, SLI CALC, NSFOC, NO
VIS SHOW, TR MIN FLOR

SANDSTONE: OFF WHT, GY, TRNSL,
OCC CLR, MHD-HD, MOD CONS, VF-F
GR, SB ANG-ANG, MOD SRDT, SILS
COMP, MOD CMTD, CALS/SILS CMTD

SILTSTONE: DK GY, BRN, LT GY, SFT,
AMOR-SB BLKY, RTHY W/GRITT TXT &
DULL

SHALE: DKGY-LTGY, SFTMOD FRM,
BLKY-SB PLTY, IREG, SLTY, ARG, V
CLAYEY, SLI CALC

MWI 10.3
VIS 40
MWO 10.3
VIS 42

SHALE: LT-DK GRY, SFT-MOD HRD,
PLTY IP, SB BLKY-BLKY, SLI CALC
V/GRTTY TXT, DLL LSTR
SANDSTONE: OFF WHT-LT GRY
FRSTY IP, VF-F GRNS, OCC TRNSL
GRNS, SB ANG-SB RDD, MOD SRDT,
MOD CMTD, MOD CONS

SHALE: MED-DK GRY, RDSH, MOD
FRM-FRM, SB BLKY-BLKY, PLTY IP, SLI
AREN, DLL SLTR, V/GRTT TXT

GAS -500u
GAS -5%
CO2 -10%

SHALE: LT-DK GRY, OCC RDBRN,
V/GRTT TXT, SFT-MOD HRD, BLKY-SB
BLKY, PLTY IP, SLI AREN, DLL LSTR,

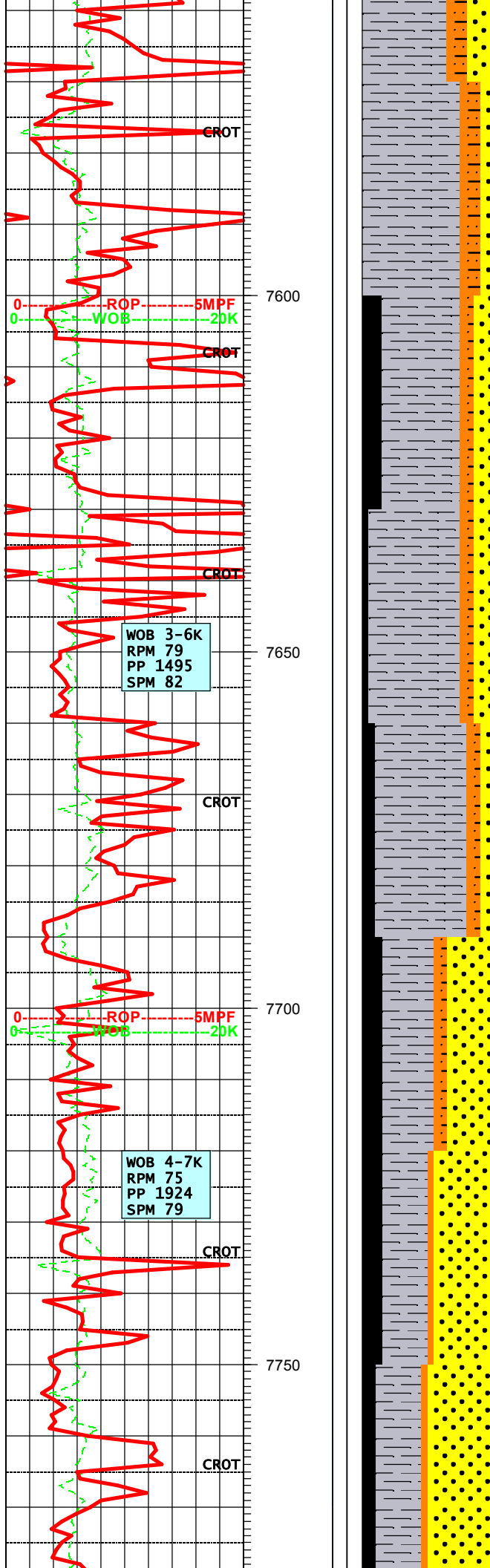
SANDSTONE: OFF WHT-LT GRY,
FRSTY, S&P GRNS, F-MED GRNS, SB
ANG-ANG, MOD SRDT, MOD CONS,
MOD CMTD, SLI CALC CMT

SILTSTONE: LTGRY, TN, V/SLTY,
V/GRTT TXT, VF GRNS, DLL LSTR

SANDSTONE: OFF WHT-LT GRY,
FRSTY, S&P IP, F-MED GRNS, SB RDD-
SB ANG, W/MOD SRDT, MOD CONS,
MOD CMTD, CALC CMT, TR PYR

SHALE: LT-MED GRY, OCC GRN, TN,
SFT-MOD FRM, SB BLKY-BLKY, PLTY
IP, SLI AREN, DLL SLTR, V/GRTT TXT

MWI 10.2
VIS 41
MWO 10.2
VIS 42



SILTSTONE: LT GRY, TN, RDBRN, RTHY, SB BLKY-BLKY, DLL LSTR W/VF GRNS

SHALE: LT-DK GRY, SFT-MOD HRD, PLTY IP, SB BLKY-BLKY SLI CALC V/GRTTY TXT, DLL LSTR

SILTSTONE: LT-MED GRY, OCC TN, V/GRTT, BLKY-SB BLKY, DLL LSTR

SANDSTONE: OFF WHT-LT GRY FRSTY IP, VF-F GRNS, OCC TRNSL GRNS, SB ANG-SB RDD, MOD SRD, MOD CMTD, MOD CONS, SLI CALC CMT

5/10/2008

SHALE: LT-MED GRY, SFT-MOD HRD, V/GRTT RGH TXT, PLTY IP, INTLAM IP, BLKY-SB BLKY, SPLNTY IP

COAL: BLK HARD GLSSY-DLL LSTR, SB BLKY-BLKY, FNT PETRO ODOR,

SANDSTONE: OFF WHT-LT GRY, FRSTY IP, S&P, FRIA IP, SB ANG-ANG, MOD CONS, MOD CMTD, MOD SRD, SLI CALC CMT

GAS 500u
GAS 5%
CO2 10%

117u

SHALE: LT-DK GRY, SFT-MOD HRD, PLTY IP, SB BLKY-BLKY V/CLAYEY, SLI CALC V/GRTTY TXT, DLL RTHY GRITTY LSTR, SLI CALC

LT GRY-OFF WHT, TRNSL, OCC CLR, MHD-HD, MOD CONS, VF-F GR, SB ANG-ANG, MOD SRD, SILS COMP, MOD CMTD, CALS/SILS CMTD

SILTSTONE: DK GY, BRN, LT GY, SFT, AMOR-SB BLKY, RTHY

MWI 10.2
VIS 42
MWO 10.2
VIS 43

SANDSTONE: OFF WHT-LT GRY, FRSTY, S&P IP, VF-F GRNS, SB ANG-ANG, MOD SRD, MOD CONS, MOD CMTD, SLI CALC CMT

SHALE: LT-DK GRY, SB BLKY-BLKY, SFT-MOD HRD, V/GRTT TXT, DLL LSTR, INTLAM,

COAL: BLK, HRD, BRTT, GLSSY LSTR, SPLNTY IP, SB BLKY-BLKY

SANDSTONE: OFF WHT-LT GRY, FRSTY, S&P IP, F-MED GRNS, SB ANG-ANG GRNS, W/MOD SRD, CALC CMT,

SHALE: LT-DK GRY, OCC RDBRN, SFT-MOD HRD, SB BLKY-BLKY, V/GRTT RGH TXT, INTLAM, DLL LSTR

SANDSTONE: OFF WHT, FRSTY, S&P, F-MED GRNS, SB ANG-ANG, MOD SRD, MOD CONS, MOD CMTD, CALC CMT

SANDSTONE: OFF WHT-LT GRY, FRSTY, S&P, F-MED GRNS, SB ANG-ANG, CALC CMT, W/MOD SRD, W/MOD CONS, MOD CMTD

SHALE: LT-MED GRY SFT-MOD HRD, SB BLKY-BLKY, V/GRTT TXT, RGH, INTLAM, IP, PLTY, SPLNTY IP

ABDNT FREE CALCITE

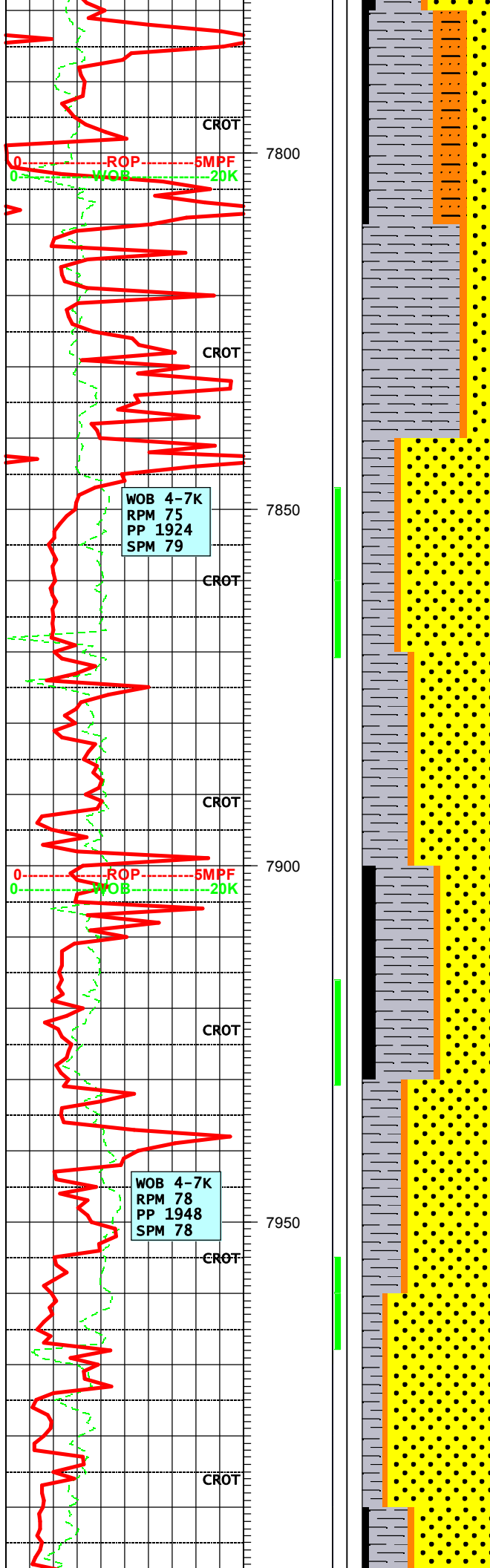
GAS 500u
GAS 5%
CO2 10%

MWI 10.2
VIS 42
MWO 10.2
VIS 43

SANDSTONE: OFF WHT, GY, TRNSL, OCC CLR, MHD-HD, MOD CONS, VF-F GR, SB ANG-ANG, MOD SRD, MOD CMTD, CALS

SILTSTONE: DK GY, BRN, LT GY, SFT, AMOR-SB BLKY, RTHY W/GRITT TXT & DULL

SHALE: DKGY-LTGY, SFTMOD FRM, BLKY-SB PLTY, IREG, SLTY, ARG, INTLAM, SLI CALC



SHALE: LT-MED GRY, SB BLKY-BLKY, SFT-MOD HRD, V/GRTT TXT, RGH, SLTY, PLTY IP, SPLNTY IP, DLL LSTR

SILTSTONE: LT-MED GRY, OCC TN, V/SLTY, V/GRTT TXT, VF GRNS, RTHY, DLL LSTR

SHALE: LT-MED GRY, OCC DK GRY, TN, V/SLTY, SB BLKY-BLKY, MOD FRM-MOD HRD, V/GRTT TXT, DLL LSTR

SANDSTONE: OFF WHT, GY, TRNSL, OCC CLR, MHD-HD, MOD CONS, VF-F GR, SB ANG-SB RNDD, MOD SRD, SILS COMP, MOD CMTD, CALS/SILS CMTD, NSFOC

SILTSTONE: DK GY, BRN, LT GY, SFT, AMOR-SB BLKY, RTHY W/GRTT TXT & DULL

SHALE: DKGY-LTGY, FRM-HD, BLKY-SB PLTY, IREG, AREN, SLI CALC

SHALE: LT-DK GRY, MOD FRM-HRD, PLTY IP, SB BLKY-BLKY SLI AREN, CARB COAL INCL, SLI CALC V/GRTTY TXT, DLL RTHY LSTR

SANDSTONE: OFF WHT-LT GRY, FRSTY IP, VF-F GRNS, OCC TRNSL GRNS, SB ANG-SB RDD, MOD SRD, MOD CMTD, MOD CONS, SLI CALC CMT, NSFOC

SANDSTONE: OFF WHT-LT GRY, FRSTY, S&P IP, F-MED GRNS, SB RDD-SB ANG, W/MOD SRD, MOD CONS, MOD CMTD, CALC CMT, TR MIN FLOR

SHALE: LT-DK GY, OCC BRN, TN, MOD FRM-FRM, SB BLKY-SB PLTY, SPLTY IP, SLI AREN, DLL SLTR, V/GRTT TXT

SILTSTONE: LT GRY, TN, RDBRN, RTHY, SB BLKY-BLKY, DLL LSTR W/VF GRNS

SANDSTONE: OFF WHT-LT GRY, FRSTY, S&P IP, F-MED GRNS, SB RDD-SB ANG, W/MOD SRD, MOD CONS, MOD CMTD, CALC CMT, TR MIN FLOR

SHALE: LT-DK GY, OCC BRN, TN, MOD FRM-FRM, SB BLKY-SB PLTY, SPLTY IP, SLI AREN, DLL SLTR, V/GRTT TXT

COAL: BLK, MICRO, VIT, GLSSY LSTR, V BRITT, FAINT PETRO ODOR

SHALE: LT-DK GRY, MOD HRD-HRD, BLKY-SB BLKY, RGH-GRTT TXT, SLI CARB, PLTY IP, SPLNTY IP, SLI CALC

SANDSTONE: TRANSL, OFF-WH, LT GY, MOD IND, F-C GR, SBRND, ANG IP, V MOD SRD, MOD CONS, SIL CMT, OCC LSE CALC GRNS, P-M CMTD, TR LSE QTZ GRNS, SLI CALC, NSFOC, NO VIS SHOW, TR MIN FLOR

SHALE: LT-DK GRY, MOD FRM-HRD, PLTY IP, SB BLKY-BLKY SLI AREN, SLI CALC V/GRTTY TXT, DLL RTHY LSTR

SANDSTONE: OFF WHT-LT GRY, FRSTY IP, VF-F GRNS, OCC TRNSL GRNS, SB ANG-SB RDD, MOD SRD, MOD CMTD, MOD CONS, SLI CALC CMT, CARB COAL INCL, NSFOC

SHALE: LT-DK GRY, MOD FRM-HRD, PLTY IP, SB BLKY-BLKY SLI AREN, SLI CALC V/GRTTY TXT, DLL RTHY LSTR

SCALE CHANGE
GAS -200u
GAS -2%
CO2 -10%

MWI 10.2
VIS 42
MWO 10.2
VIS 43

SHOW # 25

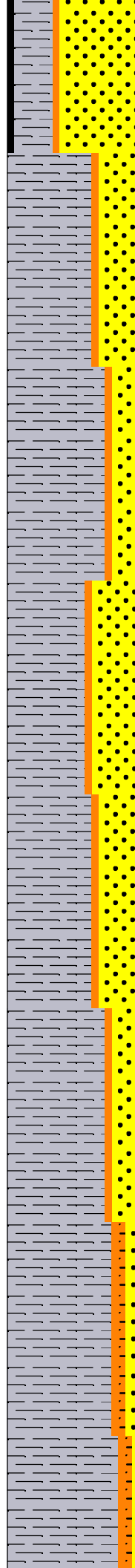
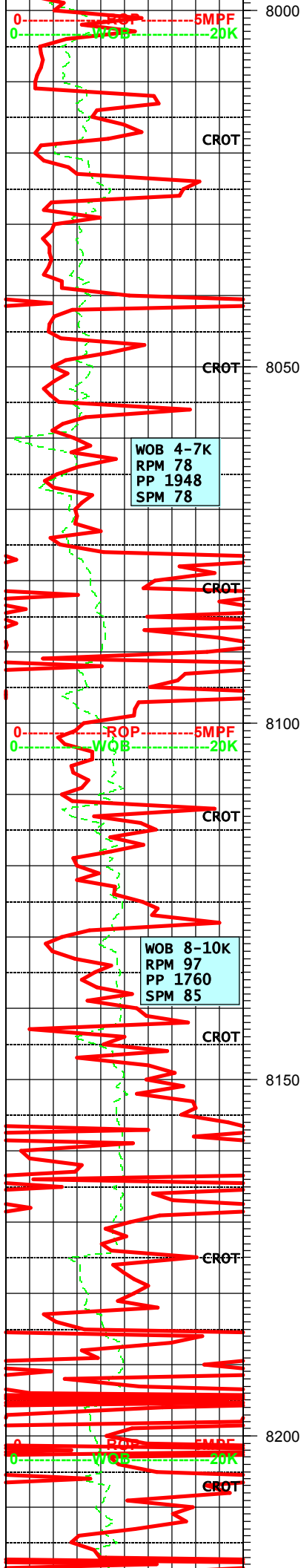
152u

GAS -200u
GAS -2%
CO2 -10%

FM/CG 90u

MWI 10.2
VIS 40
MWO 10.2
VIS 40

101u



COAL: BLK, MOD HRD, BR TT, DLL-GLSSY PLTY, BLKY-SB BLKY, RTHY IP, SHALE: LT-MED GRY, SFT-MOD HRD, V/GR TT TXT, SLI AREN, SB BLKY-BLKY, NON CALC

SHALE: LT-DK GRY, MOD HRD-HRD, BLKY-SB BLKY, RGH-GR TT TXT, SLI CARB, PLTY IP, SPLNTY IP, SLI CALC
SANDSTONE: TRANSL, OFF-WH, LT GY, MOD IND, F-C GR, SBRND, ANG IP, MOD SR TD, MOD CONS, SIL CMT, OCC LSE CALC GRNS, P-M CMTD, TR LSE QTZ GRNS, SLI CALC, NSFOC, NO VIS SHOW, TR MIN FLOR

SANDSTONE: OFF WHT-LT GRY, FRSTY, S&P IP, F-MED GRNS, SB RDD-SB ANG, W/MOD SR TD, MOD CONS, MOD CMTD, CALC CMT, TR MIN FLOR
SHALE: LT-DK GY, OCC BRN, TN, MOD FRM-FRM, SB BLKY-SB PLTY, SPLTY IP, SLI AREN, DLL SLTR, V/GR TT TXT
SILTSTONE: LT GRY, TN, RDBRN, RTHY, SB BLKY-BLKY, DLL LSTR W/VF GRNS

SANDSTONE: OFF WHT, GY, TRNSL, OCC CLR, MHD-HD, MOD CONS, VF-F GR, SB ANG-ANG, MOD SR TD, SILS COMP, MOD CMTD, CALS/SILS CMTD, NSFOC
SILTSTONE: DK GY, BRN, LT GY, SFT, AMOR-SB BLKY

SHALE: MED-DK GRY, RDSH, MOD FRM-FRM, SB BLKY-BLKY, PLTY IP, SLI AREN, DLL SLTR, V/GR TT TXT

SHALE: LT-DK GRY, OCC RDBRN, SBT-MOD FRM, SB BLKY-BLKY, SLI AREN, PLTY IP, V/GR TT-RGH TXT, DLL LSTR
SANDSTONE: OFF WHT-LT GRY, FRSTY, S&P IP, F-MED GRNS, SB ANG-ANG, MOD SR TD, MOD CONS, MOD CMTD, SLI CALC CMT
SILTSTONE: LT-MED GRY, V/GR TT TXT, SLTY, SB BLKY-BLKY, VVF GRNS,

SANDSTONE: OFF WHT-LT GRY, FRSTY, S&P IP, F-MED GRNS, SB ANG-ANG, MOD SR TD, MOD CONS, MOD CMTD, SLI CALC CMT
SHALE: LT-DK GRY, SFT-MOD FRM, BLKY-SB BLKY, PLTY, SLI AREN, DLL LSTR, V/GR TT TXT, SPLNTY IP
SILTSTONE: LT-MED GRY, SLTY, SB BLKY-BLKY, SFT-MOD FRM, DLL LSTR, V/GR TT TXT, VF GRNS

SHALE: LT-MED GRY, OCC RDBRN, TN, SFT-MOD FRM, SB BLKY-BLKY, PLTY IP, SLI AREN, DLL LSTR, V/GR TT TXT
SANDSTONE: OFF WHT-LT GRY, FRSTY, S&P IP, SB ANG-ANG, MED-F GRNS, MOD SR TD, MOD CONS, MOD CMTD, SLI CALC CMT
SILTSTONE: LT-MED GRY, V/GR TT TXT, SLTY, SB BLKY-BLKY, VF GRNS

SHALE: LT-DK GRY, OCC RDBRN, FRM-HRD, BLKY-SB BLKY, INTLAM, DLL LSTR, V/GR TT TXT, SLTY, PLTY IP, SPLNTY IP, NON CALC
SILTSTONE: LT-MED GRY, OCC RDBRN, BLKY-SB BLKY, V/GR TT TXT, DLL LSTR, VF GRNS

GAS -200u
GAS -2%
CO2 -10%

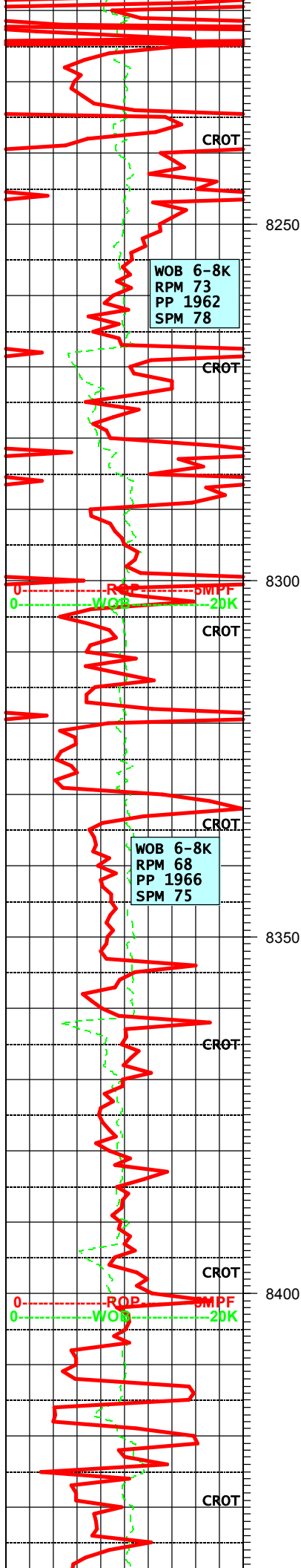
MWI 10.2
VIS 40
MWO 10.2
VIS 40

GAS -200u
GAS -2%
CO2 -10%

MWI 10.2
VIS 41
MWO 10.2
VIS 42

5/11/2008

GAS -200u
GAS -2%
CO2 -10%



SANDSTONE: OFF WHT, FRSTY, S&P IP, F-MED GRNS, SB ANG-ANG, MOD SRTD MOD CONS, MOD CMTD SLI CALC CMT

SANDSTONE: OFF WHT-LT GRY, S&P IP, FRSTY IP, F-MED GRNS, SB ANG-SB RDD, MOD SRTD, MOD CONS, MOD CMTD, SLI CALC CMT,

SHALE: LT-DK GRY, OCC TN, MOD FRM-HRD, SB BLKY-BLKY, PLTY IP, SPLNTY IP, SLI AREN, V/GRTT TXT, NON CALC

SILTSTONE: LT-MED GRY OCC RDBRN, TN, V/SLTY, VF GRNS, BLKY, GRTT TXT

SANDSTONE: OFF WHT-LT GRY, FRSTY, S&P IP, F-MED GRNS, SB RDD-SB ANG, W/MOD SRTD, MOD CONS, MOD CMTD, CALC CMT, TR MIN FLOR

SHALE: LT-DK GY, OCC BRN, TN, MOD FRM-FRM, SB BLKY-SB PLTY, SPLTY IP, SLI AREN, DLL SLTR, V/GRTT TXT

SILTSTONE: LT GRY, TN, RDBRN, RTHY, SB BLKY-BLKY, DLL LSTR W/VF GRNS

SHALE: LT-DK GRY, MOD FRM-HRD, PLTY IP, SB BLKY-BLKY SLI AREN, SLI CALC V/GRTTY TXT, DLL RTHY LSTR

SHALE: LT-DK GRY, MOD FRM-HRD, PLTY IP, SB BLKY-BLKY SLI AREN, SLI CALC V/GRTTY TXT, DLL RTHY LSTR
SANDSTONE: OFF WHT-LT GRY FRSTY IP, VF-F GRNS, OCC TRNSL GRNS, SB ANG-SB RDD, MOD SRTD, MOD CMTD, MOD CONS, SLI CALC CMT, CARB COAL INCL, NSFOC

SANDSTONE: OFF WHT-LT GRY, FRSTY, S&P IP, F-MED GRNS, SB RDD-SB ANG, W/MOD SRTD, MOD CONS, MOD CMTD, CALC CMT, TR MIN FLOR

SHALE: LT-DK GY, OCC BRN, TN, MOD FRM-FRM, SB BLKY-SB PLTY, SPLTY IP, SLI AREN, DLL SLTR, V/GRTT TXT

SILTSTONE: LT GRY, TN, RDBRN, RTHY, SB BLKY-BLKY, DLL LSTR W/VF GRNS

SHALE: LT-DK GRY, MOD HRD-HRD, BLKY-SB BLKY, RGH-GRTT TXT, SLI CARB, PLTY IP, SPLNTY IP, SLI CALC

SANDSTONE: TRANSL, OFF-WH, LT GY, MOD IND, F-C GR, SBRND, ANG IP, MOD SRTD, MOD CONS, SIL CMT, OCC LSE CALC GRNS, P-M CMTD, TR LSE QTZ GRNS, SLI CALC, NSFOC

SHALE: LT-DK GRY, MOD FRM-HRD, PLTY IP, SB BLKY-BLKY SLI AREN, SLI CALC V/GRTTY TXT, DLL RTHY LSTR

SANDSTONE: OFF WHT-LT GRY FRSTY IP, VF-F GRNS, OCC TRNSL GRNS, SB ANG-SB RDD, MOD SRTD, MOD CMTD, MOD CONS, SLI CALC CMT, CARB COAL INCL, NSFOC

SHALE: MED-DK GRY, RDSH, MOD FRM-FRM, SB BLKY-BLKY, PLTY IP, SLI AREN, DLL SLTR, V/GRTT TXT

SHALE: LT-DK GRY, MOD FRM-HRD, PLTY IP, SB BLKY-BLKY SLI AREN, SLI CALC V/GRTTY TXT, DLL RTHY LSTR

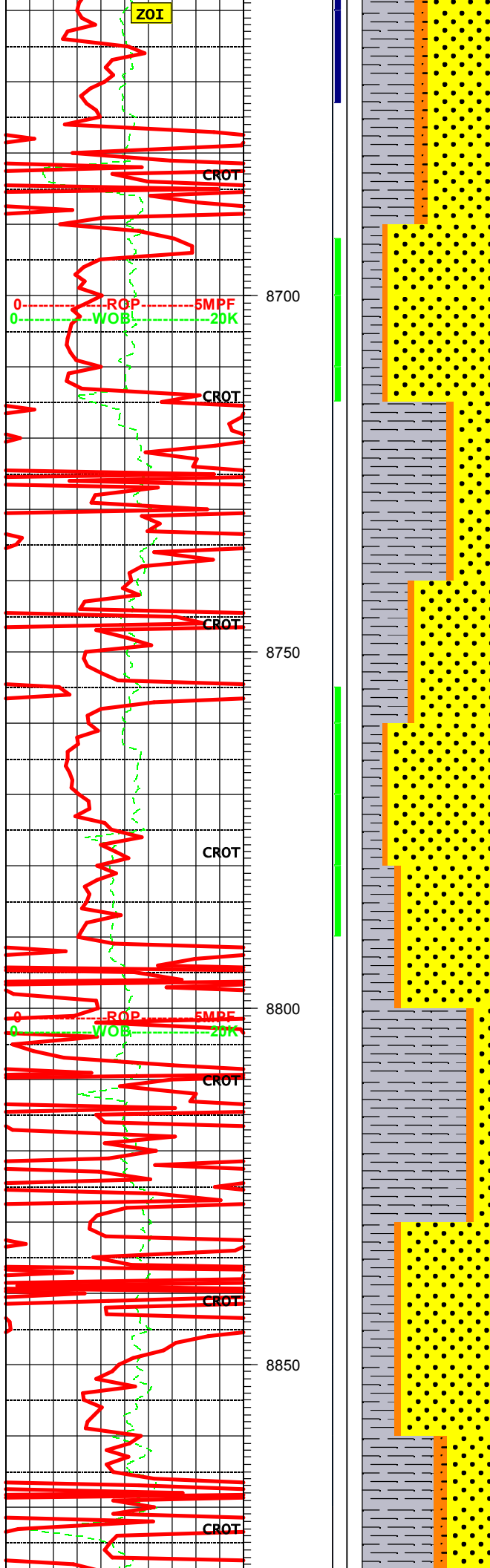
SANDSTONE: OFF WHT-LT GRY FRSTY IP, VF-F GRNS, OCC TRNSL GRNS, SB ANG-SB RDD, MOD SRTD, MOD CMTD, MOD CONS, SLI CALC CMT, CARB COAL INCL, NSFOC

MWI 10.3
VIS 40
MWO 10.3
VIS 42

GAS -200u
GAS -2%
CO2 -10%

MWI 10.3
VIS 42
MWO 10.3
VIS 42

GAS -200u
GAS -2%
CO2 -10%



CMTD, SLI CALC CMT
SHALE: LT-DK GRY, MOD FRM-HRD, SPLNTY IP, PLTY IP, BLKY-SB BLKY, V/GRTT TXT, SLTY, SLI AREN, NON CALC

SANDSTONE: OFF WHT-LT GRY, FRSTY, S&P IP, VF-M GRNS, SB ANG-SB RNDD, W/MOD SRD, MOD CONS, MOD CMTD, CALC CMT, TR MIN FLOR
SHALE: LT-DK GRY, BLKY-SB BLKY, MOD FRM-HRD, SLI AREN, PLTY IP, SPLNTY IP, V/GRTT TXT, SLI CALC

SHALE: MED-DK GRY, RDSH, MOD FRM-FRM, SB BLKY-BLKY, PLTY IP, SLI AREN, DLL SLTR, V/GRTT TXT

SHALE: LT-DK GRY, MOD FRM-HRD, PLTY IP, SB BLKY-BLKY SLI AREN, SLI CALC V/GRTT TXT, DLL RTHY LSTR

SANDSTONE: OFF WHT-LT GRY FRSTY IP, VF-F GRNS, OCC TRNSL GRNS, SB ANG-SB RDD, MOD SRD, MOD CMTD, MOD CONS, SLI CALC CMT, CARB COAL INCL, NSFOC

SANDSTONE: OFF WHT-LT GRY, FRSTY, S&P IP, F-MED GRNS, SB RDD-SB ANG, W/MOD SRD, MOD CONS, MOD CMTD, CALC CMT, TR MIN FLOR

SHALE: LT-DK GY, OCC BRN, TN, MOD FRM-FRM, SB BLKY-SB PLTY, SPLTY IP, SLI AREN, DLL SLTR, V/GRTT TXT

SILTSTONE: LT GRY, TN, RDBRN, RTHY, SB BLKY-BLKY, DLL LSTR W/VF GRNS

SHALE: LT-DK GRY, MOD HRD-HRD, BLKY-SB BLKY, RGH-GRTT TXT, SLI CARB, PLTY IP, SPLNTY IP, SLI CALC

SANDSTONE: TRANSL, OFF-WH, LT GY, MOD IND, F-M GR, RNDD-SB RND, ANG IP, MOD SRD, MOD CONS, SIL CMT, OCC LSE CALC GRNS, P-M CMTD, TR LSE QTZ GRNS, SLI CALC, NSFOC,

SHALE: LT-DK GRY, MOD HRD-HRD, BLKY-SB BLKY, RGH-GRTT TXT, SLI CARB, PLTY IP, SPLNTY IP, SLI CALC

SANDSTONE: TRANSL, OFF-WH, LT GY, MOD IND, F-C GR, SBRND, ANG IP, MOD SRD, MOD CONS, SIL CMT, OCC LSE CALC GRNS, P-M CMTD, TR LSE QTZ GRNS, SLI CALC, NSFOC, NO VIS SHOW, TR MIN FLOR

SANDSTONE: OFF WHT-LT GRY, FRSTY, S&P IP, F-MED GRNS, SB RDD-SB ANG, W/MOD SRD, MOD CONS, MOD CMTD, CALC CMT, TR MIN FLOR

SHALE: LT-DK GY, OCC BRN, TN, MOD FRM-FRM, SB BLKY-SB PLTY, SPLTY IP, SLI AREN, DLL SLTR, V/GRTT TXT

SILTSTONE: LT GRY, TN, RDBRN, RTHY, SB BLKY-BLKY, DLL LSTR W/VF GRNS

SHALE: LT-DK GRY, OCC TN, MOD HRD-HRD, BLKY, PLTY IP, SPLNTY IP, DLL LSTR, DLL LSTR, SLI AREN

SANDSTONE: OFF WHT-LT GRY, FRSTY IP, S&P IP, SB ANG-SB RDD, W/MOD CONS, W/MOD CMTD, W/MOD SRD, SLI CALC CMT

129u

SHOW # 26

210u

313u

GAS 500u
GAS 5%
CO2 10%

MWI 10.4
VIS 45
MWO 10.4
VIS 47

SHOW # 27

210u

201u

GAS 500u
GAS 5%
CO2 10%

MWI 10.4
VIS 47
MWO 10.4
VIS 48

SHOW # 28

553u

214u

5/13/2008

