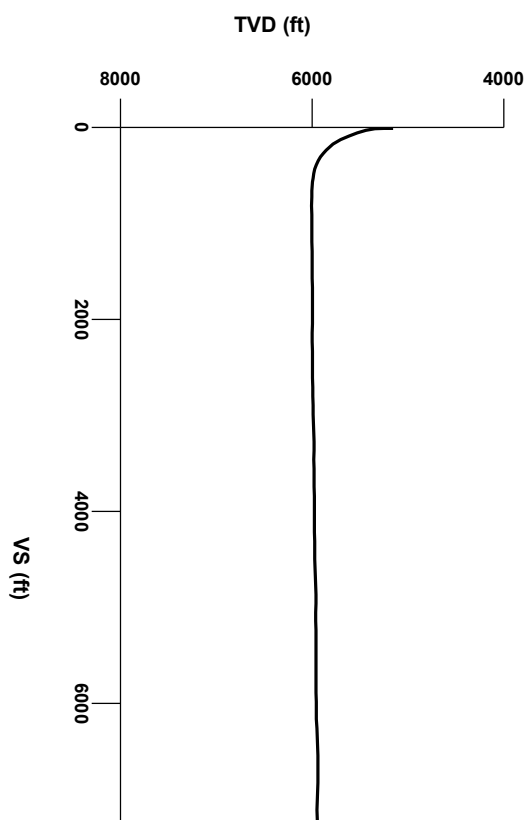




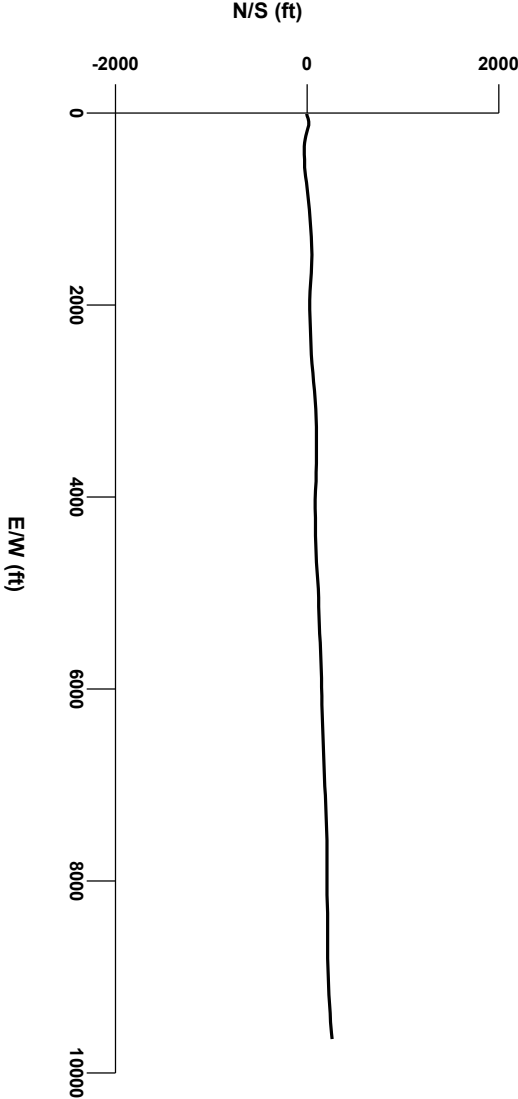
LOG created using LPLOT VH Version 3.0, July 18, 2013, Copyright (C) 1999-2009 Pason Systems Corp.

OPERATOR: NOBLE ENERGY INC.
WELL: TIMBRO LD06-64HN
LOCATION: SEC 6, T9N, R58W
COUNTY: WELD
STATE: COLORADO
SPOT: 1980' FSL, 255' FWL
ELEVATION: GR 4900', KB 4930'
FIELD: WILDCAT
SPUD DATE: 07/06/2013
TD DATE: 07/18/2013
DATES LOGGED: 07/08/2013 - 07/18/2013
DEPTHS LOGGED: 5204' MD - 15376' MD
LOGGERS: ANDREA ZUIDEMA, MATTHEW HOPKINS
DRILLING FLUID: LSND
DRILLING RIG: H&P 326
API: 05-123-37517
LOG TYPE: HORIZONTAL
SCALE: 1:240 (5 inches per 100 feet)
REMARKS: WELLSITE GEOLOGICAL SERVICES
PROVIDED BY COLUMBINE LOGGING INC.



Survey Elevation

Survey Plan

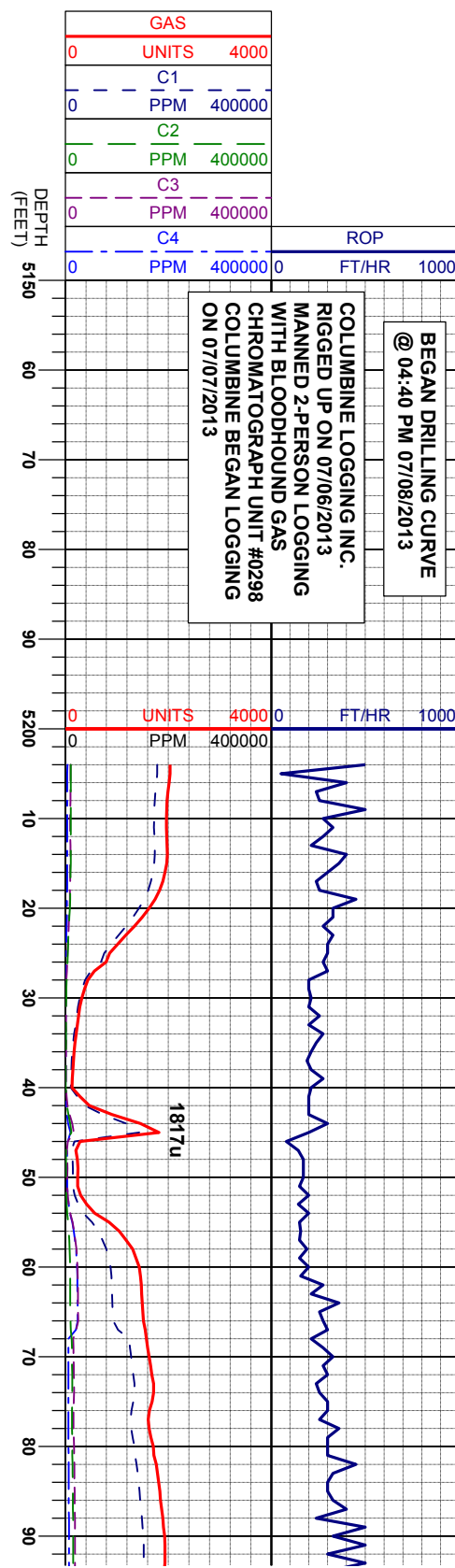
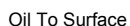
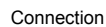


8000

10000



ENGINEERING SYMBOLS



BEGAN DRILLING CURVE
@ 04:40 PM 07/08/2013

COLUMBINE LOGGING INC.
RIGGED UP ON 07/06/2013
MANNED 2-PERSON LOGGING
WITH BLOODHOUND GAS
CHROMATOGRAPH UNIT #0298
COLUMBINE BEGAN LOGGING
ON 07/07/2013

The ratings are based on 7 descriptors: None, Slight trace, Trace, Fair, Moderate, Good, and Excellent. The descriptor used is based on the loggers observations and best judgment of brilliance, color and longevity of the cut.

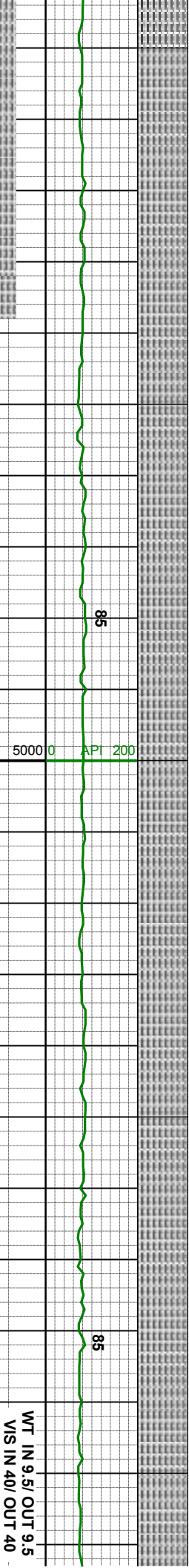
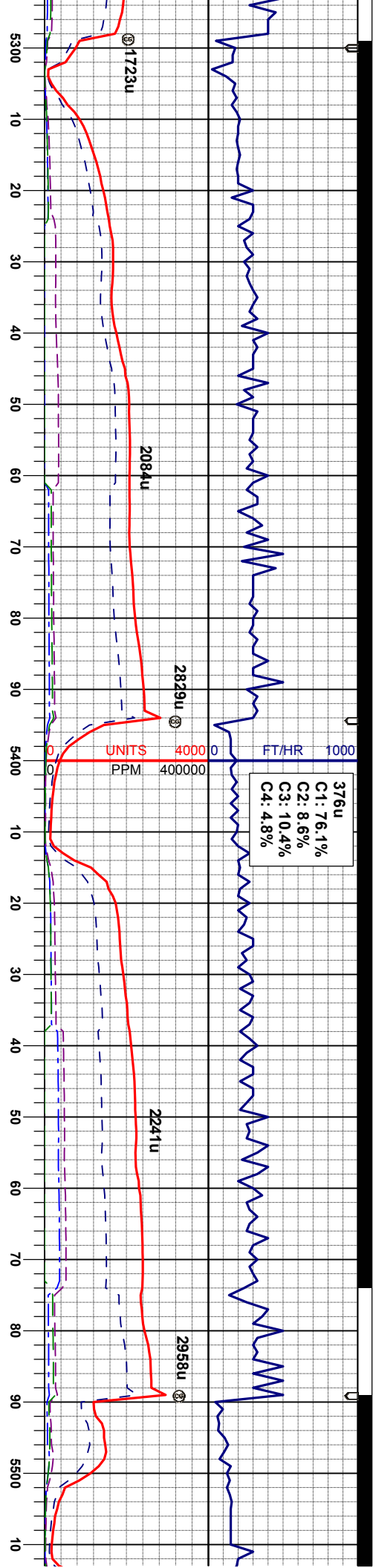
SLTYSH: m-dkgy, occ brn.sft - mod firm,
sbbkly, occ ply, arg-rthy mtz, noncalc, tr
shyss, tr ss

SLTYSH: m-dkgy, occ brn, sft - mod fir
sbbkly, occ ply, arg-rthy mtx, noncalc,
shyss, tr ss

MD 5250
INC 0.4°
AZM 153.4°
TVD 5249.66'

79

SAMPLE PHOTOS



MD 5345'
INC 4.8°
AZM 92.2°
TVD 5344.54'

MD 5440'
INC 14.6°
AZM 74.3°
TVD 5438.8'

SLTYSH: m-dkgy, occ brn, sft - mod firm,
sbbiky, occ pily, arg-rthy mtz, noncalc, tr
shyss, tr ss

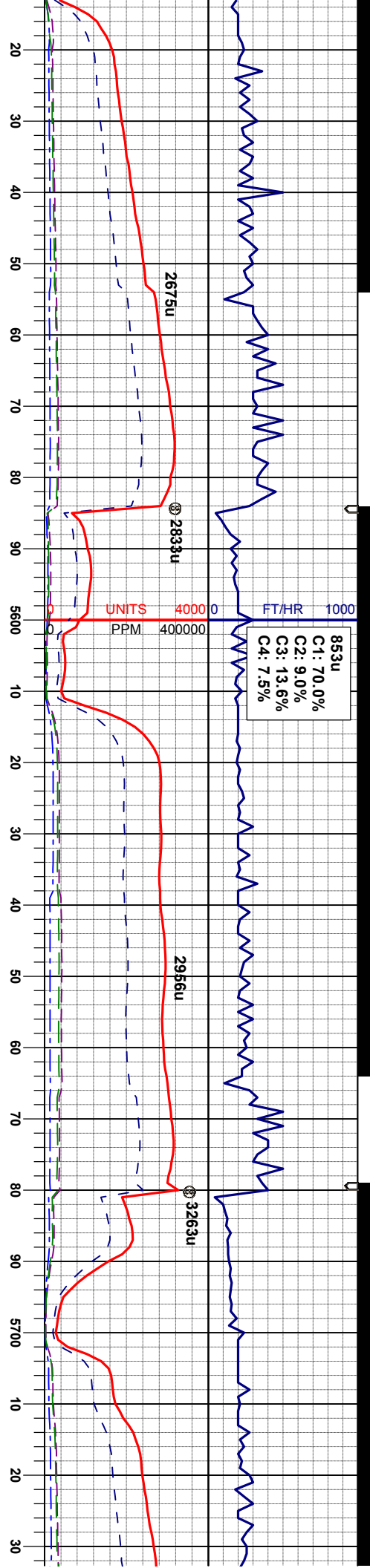
SLTYSH: m-dkgy, occ brn, sft - mod firm,
sbbiky, occ pily, arg-rthy mtz, noncalc, tr
shyss

SLTYSH: m-dkgy, occ brn, sft - mod firm,
sbbiky, occ pily, arg-rthy mtz, noncalc, tr
shyss

SLTYSH: m-dkgy, occ brn, sft - mod firm,
sbbiky, occ pily, arg-rthy mtz, noncalc, tr
shyss

SLTYSH: m-dkgy, occ brn, sft - mod firm,
sbbiky, occ pily, arg-rthy mtz, noncalc, tr
shyss





MD 5535'
INC 21.2°
AZM 66.0°
TVD 5628.45'

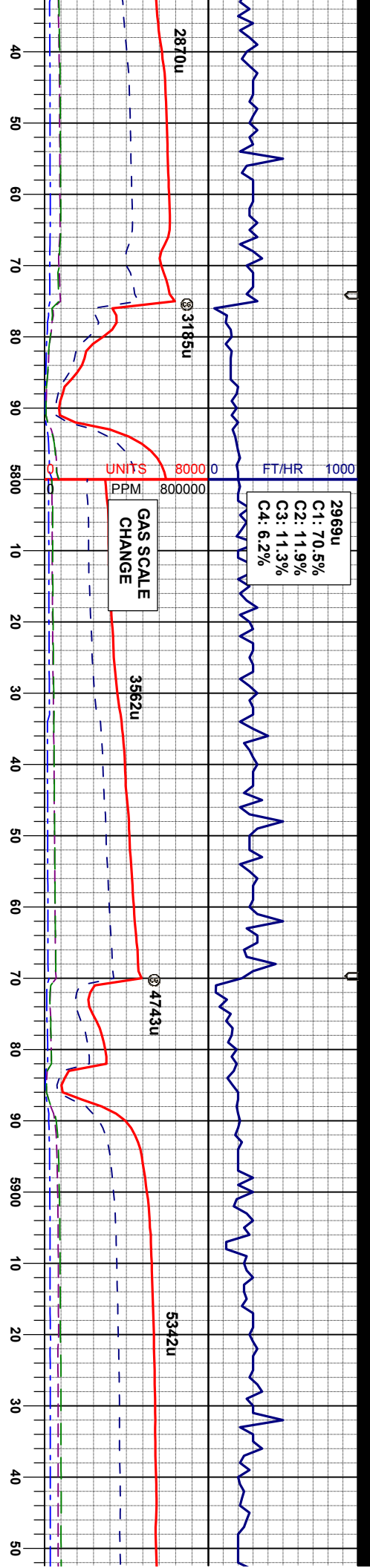
SLTYSH: m-dkgy, occ brn, sft - mod firm, sbbiky, occ ply, arg-rthy mtx, noncalc, tr shys

MD 5630'
INC 20.8°
AZM 85.5°
TVD 5617.25'

SLTYSH: m-dkgy, occ brn, sft - mod firm, sbbiky, occ ply, arg-rthy mtx, noncalc, tr shys

MD 5725'
INC 26.6°
AZM 99.8°
TVD 5704.27'

SLTYSH: m-dkgy, occ brn, sft - mod firm, sbbiky, occ ply, arg-rthy mtx, noncalc, tr shys



2969u
C1: 70.5%
C2: 11.9%
C3: 11.3%
C4: 6.2%

GAS SCALE
CHANGE

WT IN 10.50/ OUT 10.50
VIS IN 44/ OUT 44

SHARON SPRINGS
MARKER BED @
5919' MD/ 5857'TVD

MD 5819'
INC 36.7°
AZM 106.6°
TVD 5784.21'

MD 5914'
INC 48.3°
AZM 105.6°
TVD 5854.14'

mod firm, noncalc, tr
SLTYSH: m-dkgy, occ brn, sft - mod firm, sbbkly, occ plty, arg-rthy mix, noncalc, tr shys

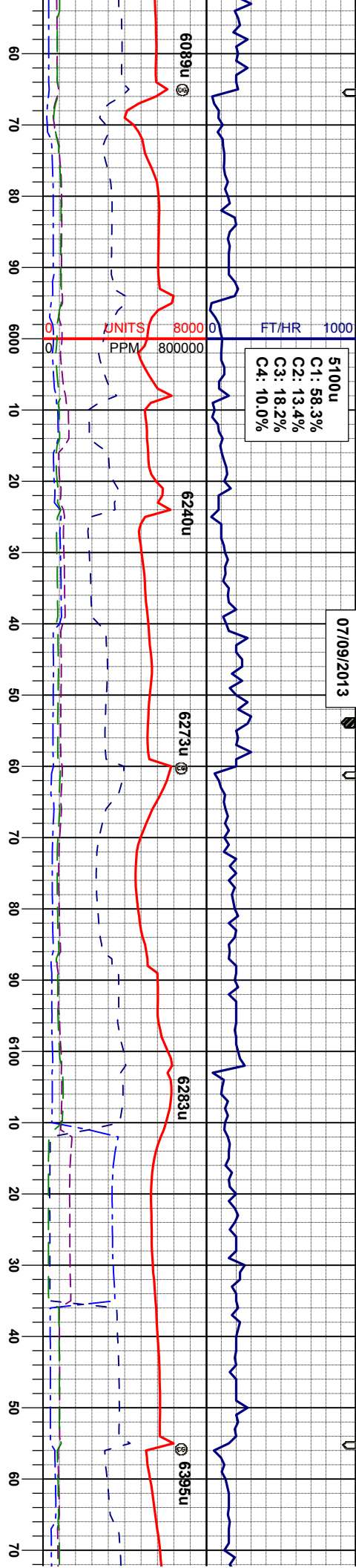
SLTYSH: m-dkgy, occ brn, sft - mod firm, sbbkly, occ plty, arg-rthy mix, noncalc, tr shys

SLTYSH: m-dkgy, occ brn, sft - mod firm, sbbkly, occ plty, arg-rthy mix, noncalc, tr shys, tr bent

SLTYSH: m - lt gy, occ dkgy, sft-mod firm, sbbkly-plty, rthy-argmtx, sme bent, noncalc MRL: mgy-gy/bk, occdkbrn, bkly-sbply, sme fis, mod firm, rthy tex, sl mot, v calc, tr chk

07/09/2013

5100u
C1: 58.3%
C2: 13.4%
C3: 18.2%
C4: 10.0%



6089u

6240u

6273u

6283u

6395u

NIO A CHALK @
5884' TVD

MD 5959'
INC 52.1°
AZM 100.8°
TVD 5882.95'

WT IN 10.55/ OUT 10.55
VIS IN 40/ OUT 40

NIO A MARL @
5917' TVD

MD 6008'
INC 55.9°
AZM 95.2°
TVD 5911.76'

MD 6053'
INC 60.4°
AZM 90.8°
TVD 5935.51'

MD 6147'
INC 73.3°
AZM 89.4°
TVD 5972.55'

WT IN 10.50/ OUT 10.50
VIS IN 38/ OUT 38

SLTYSH: m - lt gy, occ dkg, sft-mod firm,
sbply-ply, rthy-argntx, sme bent, noncalc
CHK: ltgy, occ mgy, mod sft - mod firm,
sbply-sbply, rthy tex - mot, v calc
MRL: mgy-gyblk, occckbrn, blkysbply,
sme fis, mod firm, rthy tex, sl mot, v calc

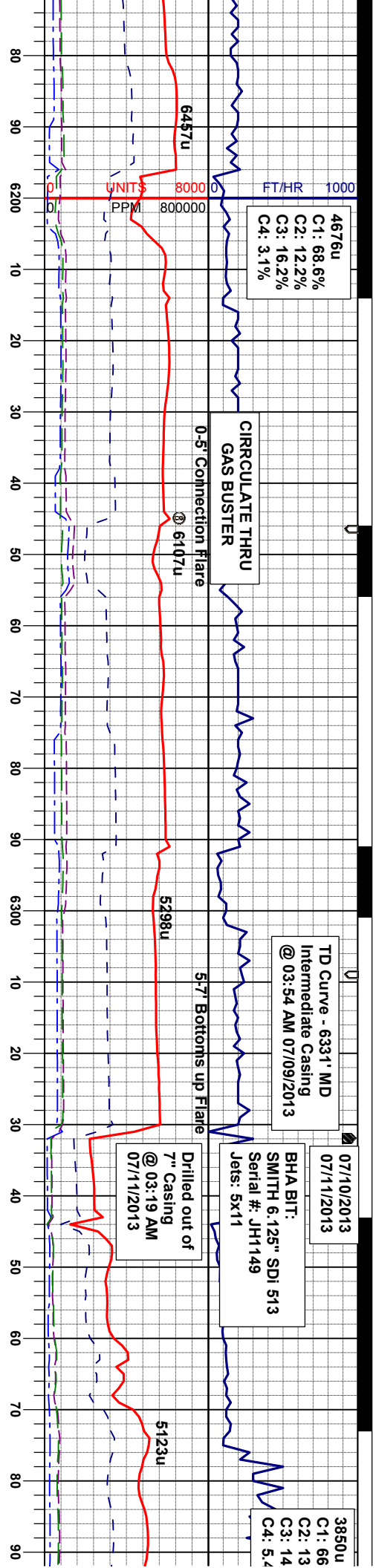
CHK: ltgy, occ mgy, mod sft - mod firm,
sbply-sbply, rthy tex - mot, v calc
MRL: mgy-gyblk, occckbrn, blkysbply,
sme fis, mod firm, rthy tex, sl mot, v calc

MRL: mgy-gyblk, occckbrn, blkysbply,
sme fis, mod firm, rthy tex, sl mot, v calc
CHK: ltgy, occ mgy, mod sft - mod firm,
sbply-sbply, rthy tex - mot, v calc

MRL: mgy-gyblk, occckbrn, blkysbply,
sme fis, mod firm, rthy tex, sl mot, v calc
CHK: ltgy, occ mgy, mod sft - mod firm,
sbply-sbply, rthy tex - mot, v calc

CHK: ltgy, occ mgy
sbply-sbply, rthy
grdg-
MRL: mgy-gyblk, o
sme fis, sb mot, oc
tex, sl mot, v calc





4676u
C1: 68.6%
C2: 12.2%
C3: 16.2%
C4: 3.1%

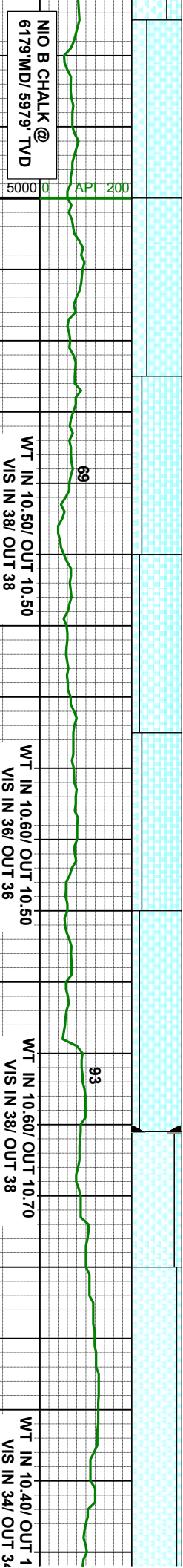
CIRCULATE THRU
GAS BUSTER
@ 6107u

TD Curve - 6331' MD
Intermediate Casing
@ 03:54 AM 07/09/2013

07/10/2013
07/11/2013
BHA BIT:
SMITH 6.125" SDI 513
Serial #: JH1149
Jets: 5x11

Drilled out of
7" Casing
@ 03:19 AM
07/11/2013

3850u
C1: 66
C2: 13
C3: 14
C4: 5.4



NIO B CHALK @
6179' MD/ 5979' TVD

WT IN 10.50/ OUT 10.50
VIS IN 38/ OUT 38

WT IN 10.60/ OUT 10.50
VIS IN 36/ OUT 36

WT IN 10.60/ OUT 10.70
VIS IN 38/ OUT 38

WT IN 10.40/ OUT 11.0
VIS IN 34/ OUT 34

MD 6198'
INC 80.4°
AZM 89.0°
TVD 5984.14'

MD 6246'
INC 82.5°
AZM 88.0°
TVD 5991.20'

MD 6282'
INC 83.6°
AZM 86.6°
TVD 5995.56'

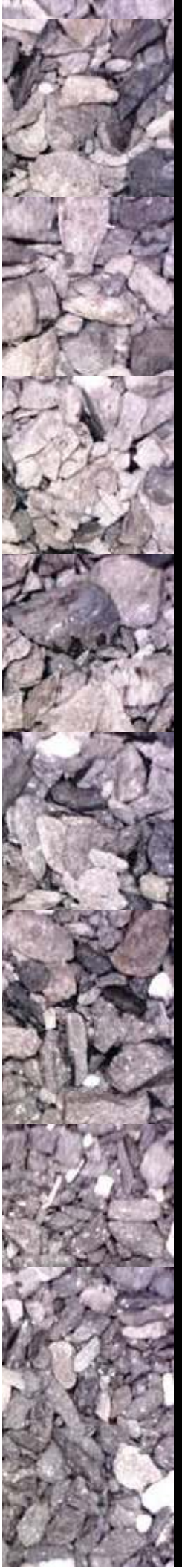
MD 6377'
INC 87.7°
AZM 82.5°
TVD 6002.77'

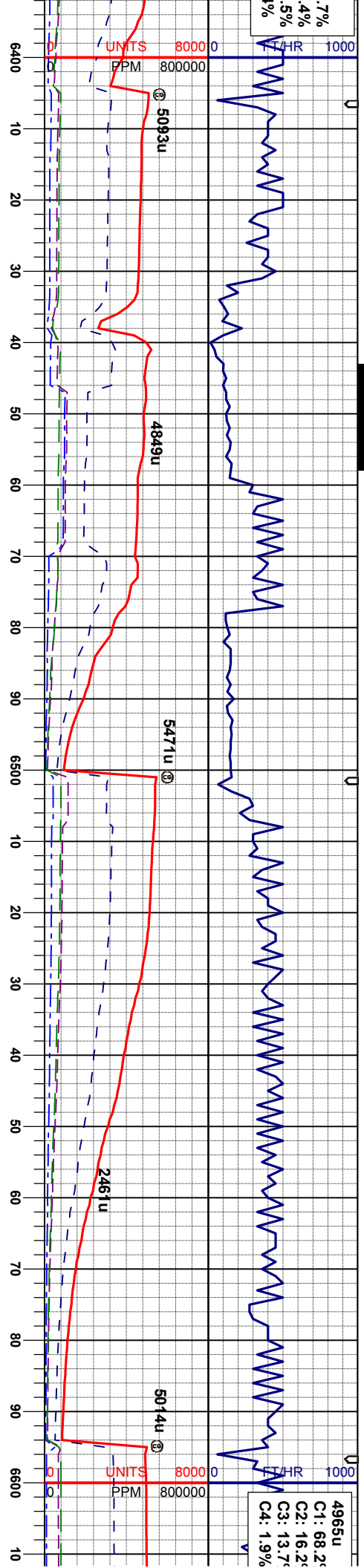
mod sft - mod firm, tex - mot, v calc, tr fos, sblpy-sbdky, rthy tex - mot, v calc
CHK: lty, occ mgy, mod sft - mod firm, sblpy-sbdky, rthy tex - mot, v calc
MRL: mgy-gyblk, occdkbrn, blyk-sbply, sme fis, sb mot, occ calc incl, mod firm, rthy tex, sl mot, v calc

CHK: lty, occ mgy, mod sft - mod firm, sblpy-sbdky, rthy tex - mot, tr fos frag, v calc
MRL: mgy-gyblk, occdkbrn, blyk-sbply, sme fis, sb mot, occ calc incl, mod firm, rthy tex, sl mot, v calc

CHK: lty, occ mgy, mod sft - mod firm, sblpy-sbdky, rthy tex - mot, tr fos frag, v calc
MRL: mgy-gyblk, occdkbrn, blyk-sbply, sme fis, sb mot, occ calc incl, mod firm, rthy tex, sl mot, v calc

MRL: mgy-gyblk, occdkbrn, blyk-sbply, sme fis, sb mot, occ calc incl, mod firm, rthy tex, sl mot, tr pyr, v calc
CHK: lty, occ mgy, mod sft - mod firm, sblpy-sbdky, rthy tex - mot, tr fos frag





MD 6440'
INC 88.4°
AZM 83.4°
TVD 6004.91'

MD 6534'
INC 91.2°
AZM 83.6°
TVD 6005.24'

MRL: mgy-gyblk, occdkbrn, blkY-sbply, sme fis, sb mot, occ calc incl, mod firm, rthy tex, sl mot, tr pyr, v calc
CHK: lgy, occ mgy, mod sft - mod firm, sbply-sbply, rthy tex - mot, tr fos frag, v calc

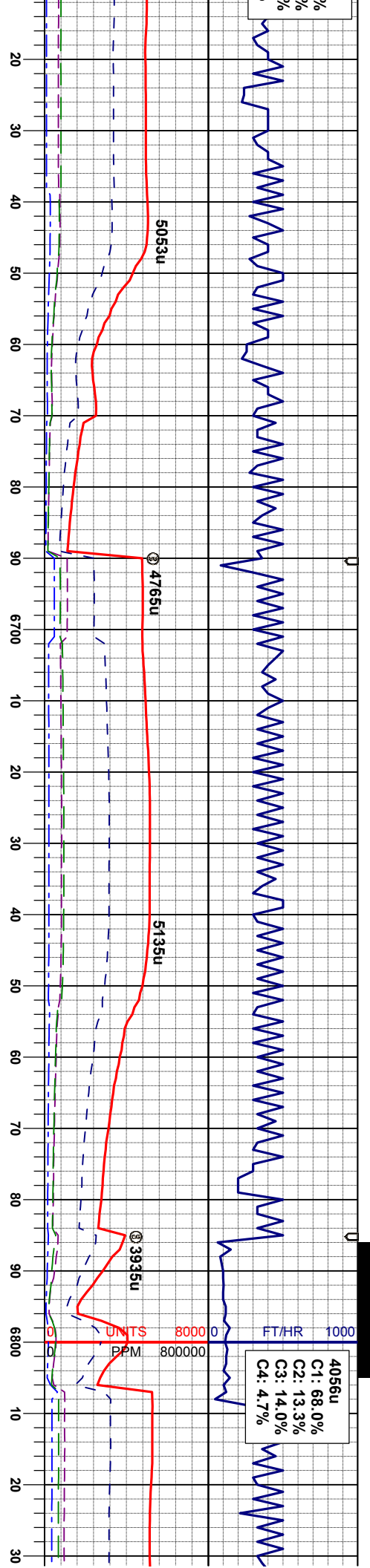
MRL: mgy-gyblk, occdkbrn, blkY-sbply, sme fis, sb mot, occ calc incl, mod firm, rthy tex, sl mot, tr pyr, v calc
CHK: lgy, occ mgy, mod sft - mod firm, sbply-sbply, rthy tex - mot, tr fos frag, v calc

MRL: mgy-gyblk, occdkbrn, blkY-sbply, sme fis, sb mot, occ calc incl, mod firm, rthy tex, sl mot, tr pyr, v calc
CHK: lgy, occ mgy, mod sft - mod firm, sbply-sbply, rthy tex - mot, tr fos frag, v calc

MRL: mgy-gyblk, occdkbrn, blkY-sbply, sme fis, sb mot, occ calc incl, mod firm, rthy tex, sl mot, tr pyr, v calc
CHK: lgy, occ mgy, mod sft - mod firm, sbply-sbply, rthy tex - mot, tr fos frag, v calc

MRL: mgy-gyblk, occdkbrn, blkY-sbply, sme fis, sb mot, occ calc incl, mod firm, rthy tex, sl mot, tr pyr, v calc
CHK: lgy, occ mgy, mod sft - mod firm, sbply-sbply, rthy tex - mot, tr fos frag, v calc





MD 6629'
INC 90.8°
AZM 84.8°
TVD 6003.58'

gy-gyblk, occdkbrn, blkly-sbply,
sb mot, occ calc incl, mod firm, rthy
not, tr pyr, v calc

MRL: mgy-gyblk, occdkbrn, blkly-sbply,
sme fis, sb mot, occ calc incl, mod firm, rthy
tex, sl mot, tr pyr, v calc
CHK: llygy, occ mgy, mod sft - mod firm,
sbply-sbblkly, rthy tex - mot, tr fos frag, v
calc

MD 6724'
INC 90.9°
AZM 82.7°
TVD 6002.17'

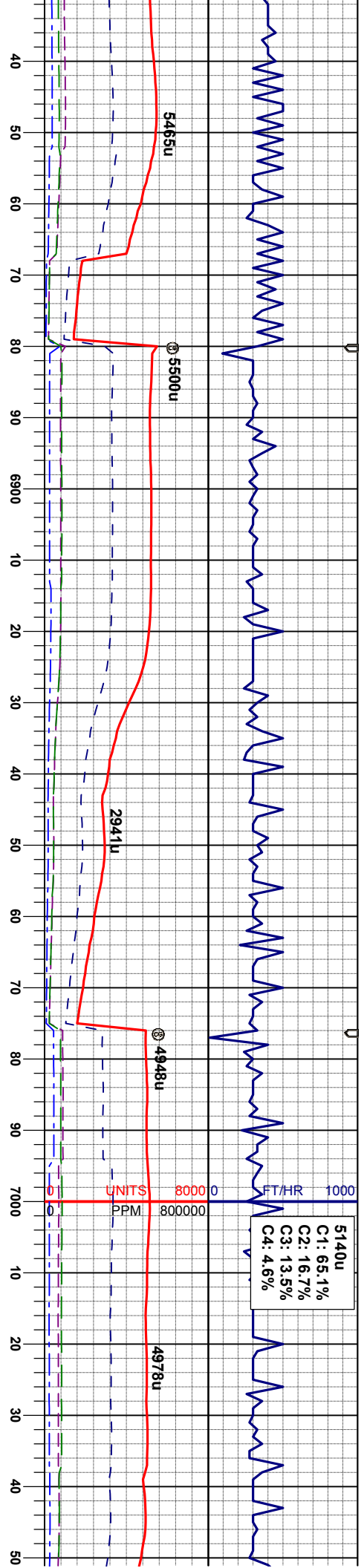
MRL: mgy-gyblk, occdkbrn, blkly-sbply,
sme fis, sb mot, occ calc incl, mod firm, rthy
tex, sl mot, tr pyr, tr fos frag, tr chk, v calc

MRL: mgy-gyblk, occdkbrn, blkly-sbply,
sme fis, sb mot, occ calc incl, mod firm, rthy
tex, sl mot, tr pyr, tr fos frag, tr chk, v calc

MD 6818'
INC 89.5°
AZM 87.1°
TVD 6001.84'

MRL: mgy-gyblk, occdkbrn, blk
sme fis, sb mot, occ calc incl, r
tex, sl mot, tr pyr, tr fos frag, tr





MD 6913'
INC 90.1°
AZM 85.7°
TVD 6002.18'

WT IN 10.15/ OUT 10.15
VIS IN 33/ OUT 33

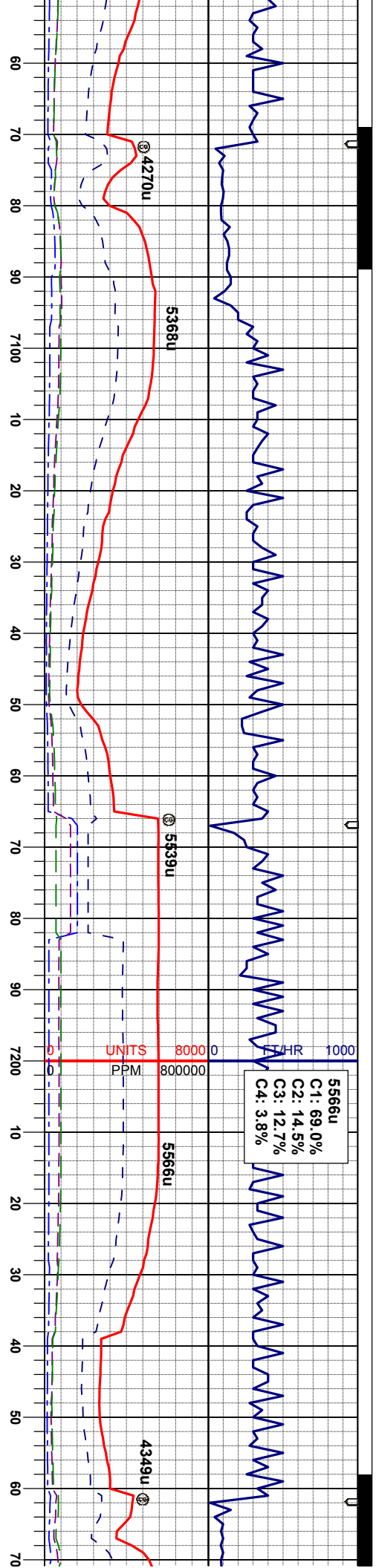
MD 7008'
INC 90.5°
AZM 86.5°
TVD 6001.68'

MRL: mgy-gyblk, occckbrn, blk-y-sbply, smetfs, sbmot, occ-abnt calcinc, mod firm, rthytex, slmot, tr pyr, tfrsfrag, vcalc
CHK: mgy - m brn, occ lgy - tan, mod sft - mod firm, sbply-sbblky, rthytex - mot, vcalc

MRL: mgy-gyblk, occckbrn, blk-y-sbply, smetfs, sbmot, occ-abnt calcinc, mod firm, rthytex, slmot, tr pyr, tfrsfrag, vcalc
CHK: mgy - m brn, occ lgy - tan, mod sft - mod firm, sbply-sbblky, rthytex - mot, vcalc

MRL: mgy-gyblk, occckbrn, blk-y-sbply, smetfs, sbmot, occ-abnt calcinc, mod firm, rthytex, slmot, tr pyr, tfrsfrag, vcalc
CHK: mgy - m brn, occ lgy - tan, mod sft - mod firm, sbply-sbblky, rthytex - mot, vcalc





WT IN 10.15/ OUT 10.15
VIS IN 33/ OUT 33

MD 7102'
INC 90.7°
AZM 88.8°
TVD 6000.69'

MRL: mgy-gyblk, occcdkbrn, biky-sbply, smeifs, sbmot, occ-abntcalcinci, mod firm, rhytex, slmot, tbent, tftofrag, vcalc
CHK: mgy - m brn, occ llyg - tan, mod sft - mod firm, sbply-sbply, rhytex - mot, vcalc

MRL: mgy-gyblk, occcdkbrn, biky-sbply, smeifs, sbmot, occ-abntcalcinci, mod firm, rhytex, slmot, occbent, tftofrag, vcalc
CHK: mgy - m brn, occ llyg - tan, mod sft - mod firm, sbply-sbply, rhytex - mot, vcalc

MRL: mgy-gyblk, occcdkbrn, biky-sbply, smeifs, sbmot, occ-abntcalcinci, mod firm, rhytex, slmot, occbent, tftofrag, vcalc
CHK: mgy - m brn, occ llyg - tan, mod sft - mod firm, sbply-sbply, rhytex - mot, vcalc

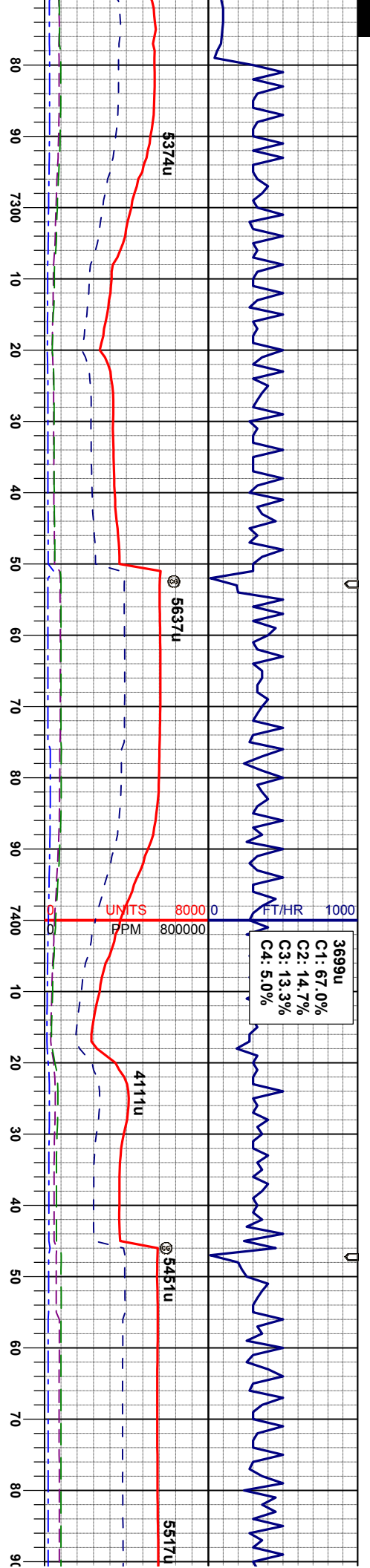
MD 7197'
INC 90.5°
AZM 88.5°
TVD 5999.70'

MRL: mgy-gyblk, occcdkbrn, biky-sbply, smeifs, sbmot, occ-abntcalcinci, mod firm, rhytex, slmot, occbent, tftofrag, vcalc
CHK: mgy - m brn, occ llyg - tan, mod sft - mod firm, sbply-sbply, rhytex - mot, vcalc

WT IN 10.25/ OUT 10.25
VIS IN 34/ OUT 34

MRL: mgy-gyblk, smeifs, sbmot, oc rhytex, slmot, oc
CHK: mgy - m brn mod firm, sbply-s





MD 7292'
INC 90.7°
AZM 93.5°
TVD 5998.70'

occckbm, biky-sbply,
cc-abntcalcincl, mod firm,
ocbent, ttrsofrag, vcalc
i, occ lgy - tan, mod sft -
rhytex, rhytex - mot, vcalc

MRL: mgy-gyblk, occckbm, biky-sbply,
smefis, sbmot, occ-abntcalcincl, mod firm,
rhytex, simot, ocbent, ttrsofrag, tr chk,
vcalc

MRL: mgy-gyblk, occckbm, biky-sbply,
smefis, sbmot, occ-abntcalcincl, mod firm,
rhytex, simot, ocbent, ttrsofrag, tr chk,
vcalc

MD 7387'
INC 90.4°
AZM 93.3°
TVD 5997.79'

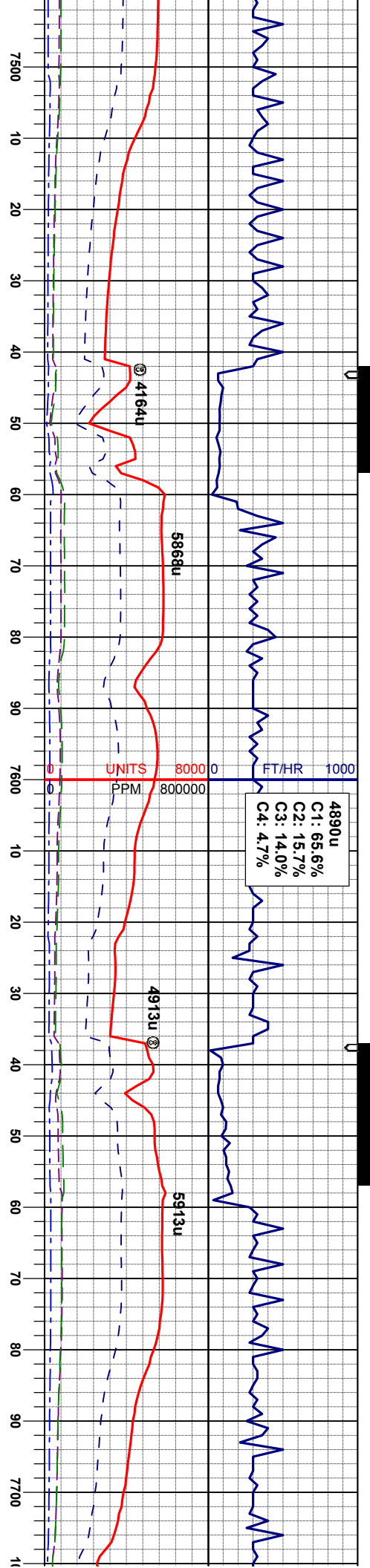
MRL: mgy-gyblk, occckbm, biky-sbply,
smefis, sbmot, occ-abntcalcincl, mod firm,
rhytex, simot, ocbent, ttrsofrag, tr chk,
vcalc

MRL: mgy-gyblk, occckbm, biky-sbply,
smefis, sbmot, occ-abntcalcincl, mod
rhytex, simot, ocbent, ttrsofrag, tr ct
vcalc

MD 7481'
INC 90.6°
AZM 94.4°
TVD 5996.86'

WT IN 10.30/ OUT 10.30
VIS IN 39/ OUT 39





WT IN 10.25/ OUT 10.25
VIS IN 35/ OUT 35

MD 7576'
INC 89.9°
AZM 92.9°
TVD 5996.45'

WT IN 10.20
VIS IN 36'

MD 7671'
INC 89.5°
AZM 89.9°
TVD 5996.94'

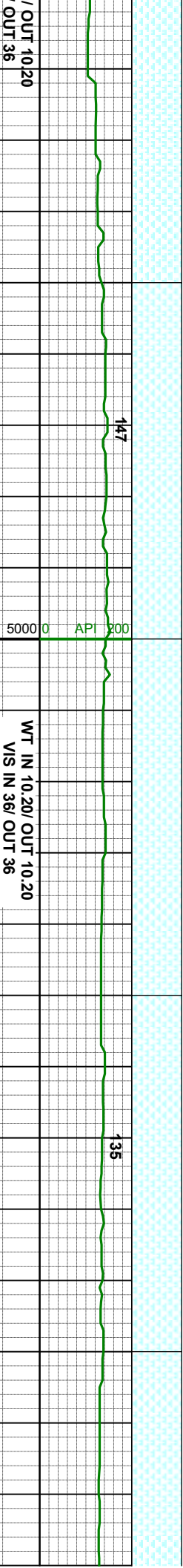
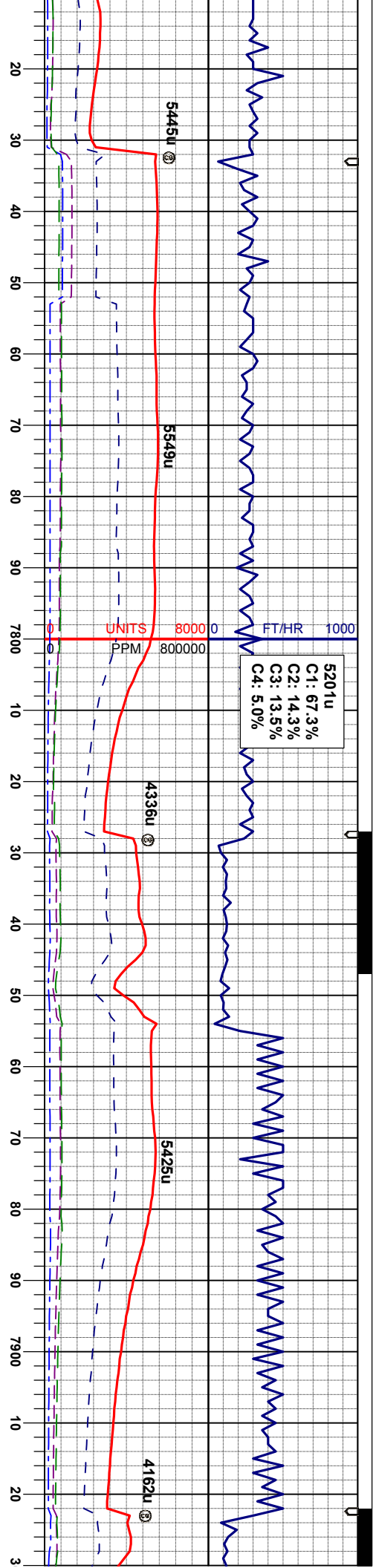
MR.L: mgy-gyblk, occdkbrn, biky-sbply, smeifs, sbmot, occ-abntcalcincl, mod firm, rthyex, slmot, occdent, ttrsofrag, tr chk, vcalc

MR.L: mgy-gyblk, occdkbrn, biky-sbply, smeifs, sbmot, occ-abntcalcincl, mod firm, rthyex, slmot, occdent, ttrsofrag, vcalc

MR.L: mgy-gyblk, occdkbrn, biky-sbply, smeifs, sbmot, occ-abntcalcincl, mod firm, rthyex, slmot, occdent, ttrsofrag, vcalc

MR.L: mgy-gyblk, occdkbrn, biky-sbply, smeifs, sbmot, occ-abntcalcincl, mod firm, rthyex, slmot, occdent, ttrsofrag, vcalc

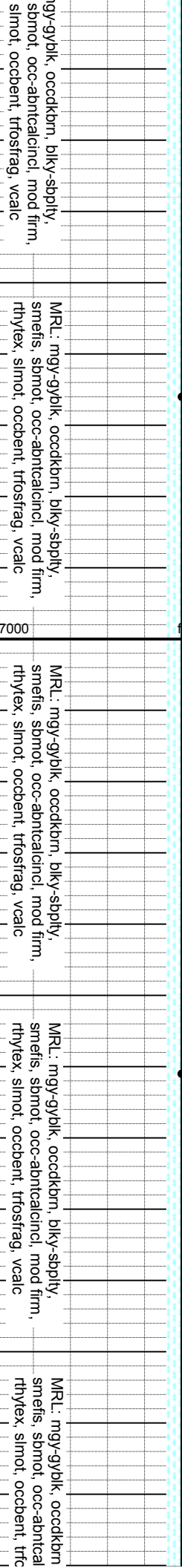
MR.L: rthyex, slmot, occdent, ttrsofrag, vcalc

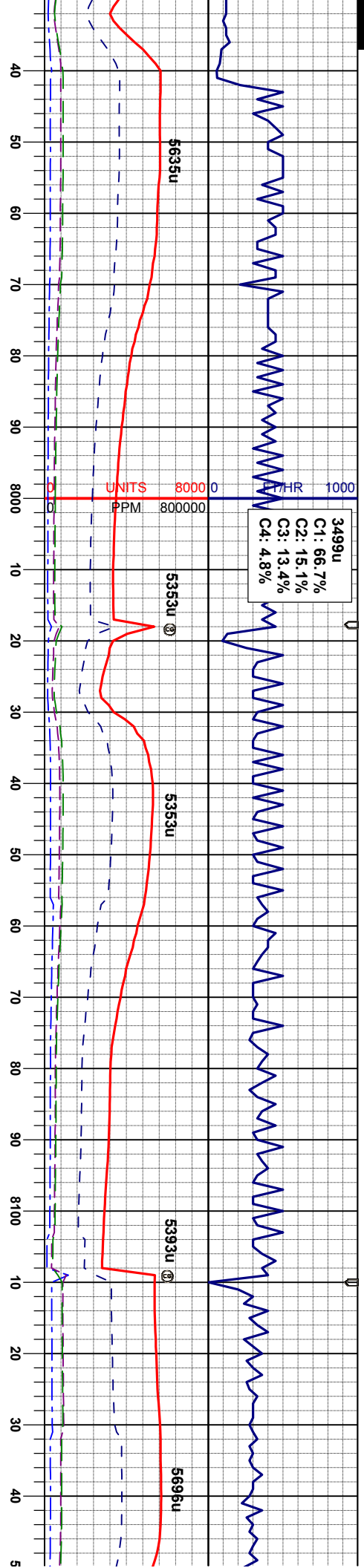


MD 7766'
INC 88.9°
AZM 89.3°
TVD 5998.27'

WT IN 10.20/ OUT 10.20
VIS IN 36/ OUT 36

MD 7861'
INC 88.9°
AZM 88.2°
TVD 5999.27'





WT IN 10.20/ OUT 10.20
VIS IN 36/ OUT 36

MD 7955'
INC 90.9°
AZM 87.8°
TVD 5998.61'

MRL: mgy-gyblk, occdkbrn, biky-sbply,
smefis, sbmot, occ-abntcalcinc, mod firm,
rhytex, simot, occbent, tfostrag, vcalc

WT IN 10.20/ OUT 10.20
VIS IN 36/ OUT 36

MD 8050'
INC 90.7°
AZM 87.6°
TVD 5997.28'

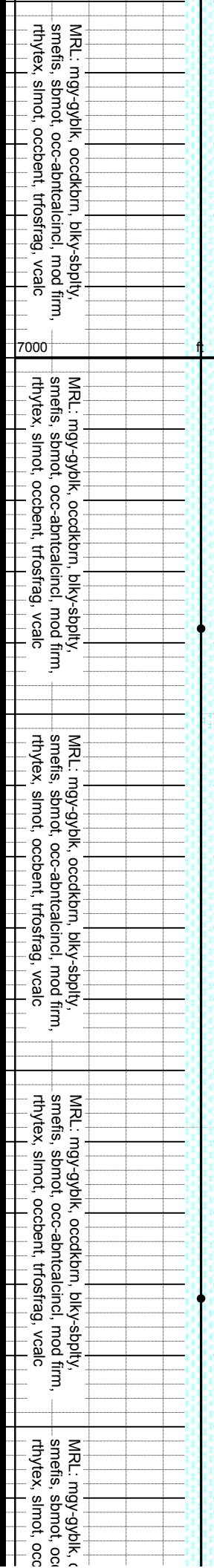
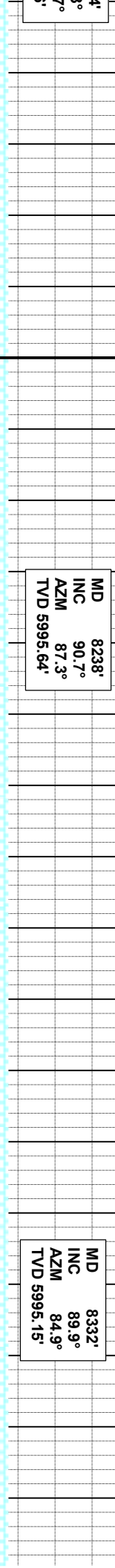
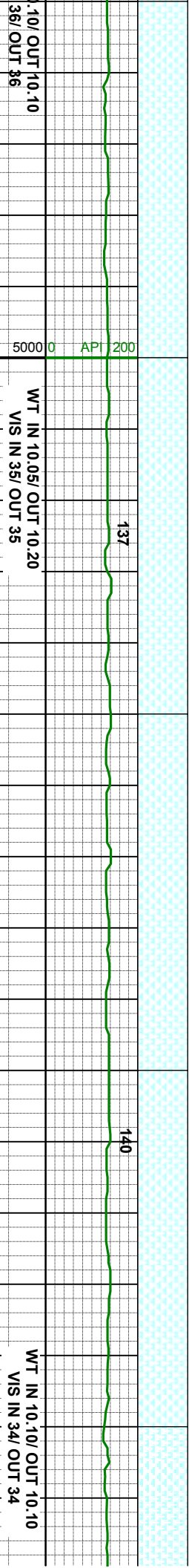
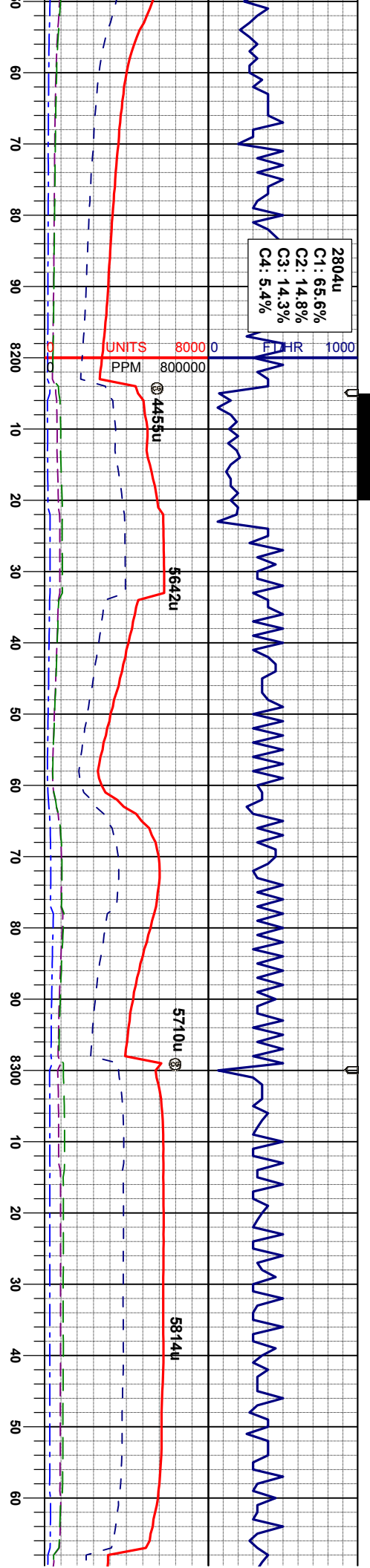
MRL: mgy-gyblk, occdkbrn, biky-sbply,
smefis, sbmot, occ-abntcalcinc, mod firm,
rhytex, simot, occbent, tfostrag, vcalc

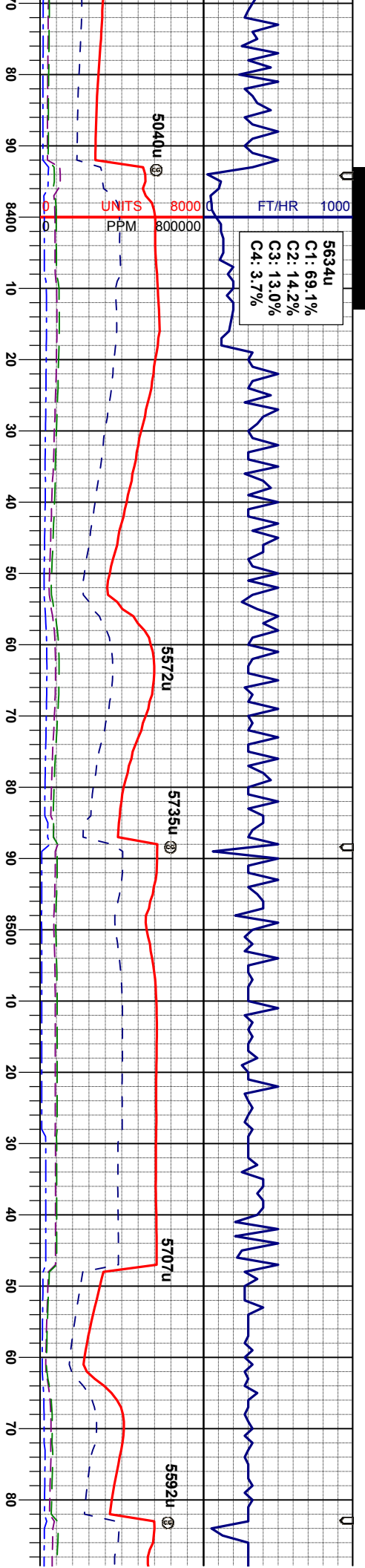
WT IN 10.20/ OUT 10.20
VIS IN 36/ OUT 36

MD 8144'
INC 90.3°
AZM 87.1°
TVD 5996.46'

MRL: mgy-gyblk, occdkbrn, biky-sbply,
smefis, sbmot, occ-abntcalcinc, mod firm,
rhytex, simot, occbent, tfostrag, vcalc







WT IN 10.15/ OUT 10.10
VIS IN 36/ OUT 34

MD 8427'
INC 91.4°
AZM 86.2°
TVD 5994.07'

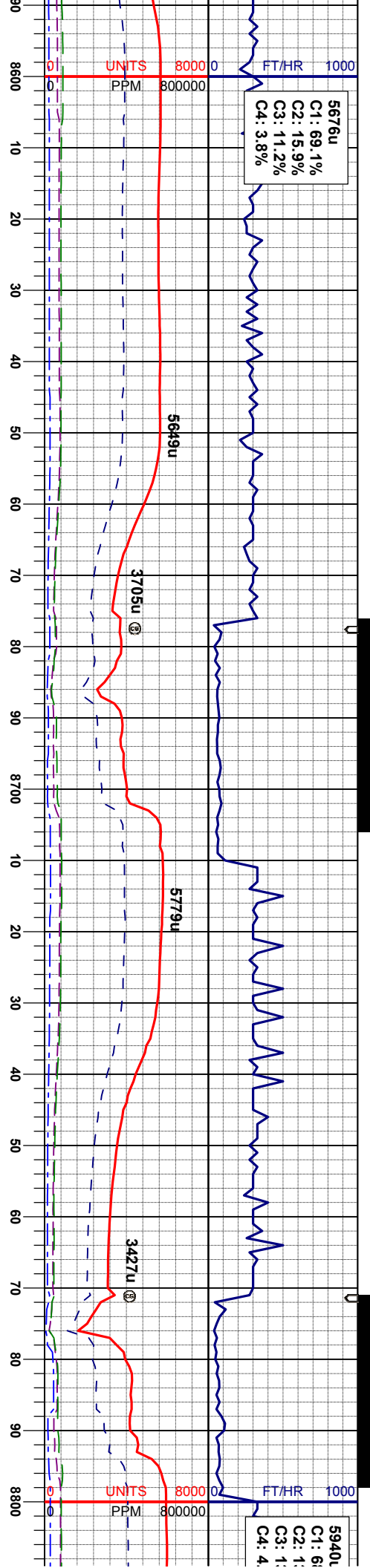
MD 8521'
INC 91.1°
AZM 84.4°
TVD 5992.02'

MRL: mgy-gyblk, occdkbrn, blkY-sbply,
smefls, sbmot, occ-abntcalcincl, mod firm,
rhytex, simot, occbent, tfrsfrag, vcalc

MRL: mgy-gyblk, occdkbrn, blkY-sbply,
smefls, sbmot, occ-abntcalcincl, mod firm,
rhytex, simot, occbent, tfrsfrag, vcalc

MRL: mgy-gyblk, occdkbrn, blkY-sbply,
smefls, sbmot, occ-abntcalcincl, mod firm,
rhytex, simot, occbent, tfrsfrag, vcalc

MRL: mgy-gyblk, occdkbrn, blkY-sbply,
smefls, sbmot, occ-abntcalcincl, mod firm,
rhytex, simot, occbent, tfrsfrag, vcalc



MD 8615'
INC 89.8°
AZM 84.2°
TVD 5991.28'

MD 8710'
INC 91.3°
AZM 86.2°
TVD 5990.37'

MD 88
INC 92
AZM 8
TVD 5986

MRL: mgy-gybik, occdkbrn, biky-sbply, smeifs, sbmot, occ-abntcalcincil, mod firm, rthylex, simot, occbent, tfrsfrag, vcalc

MRL: mgy-gybik, occdkbrn, biky-sbply, smeifs, sbmot, occ-abntcalcincil, mod firm, rthylex, simot, occbent, tfrsfrag, vcalc

MRL: mgy-gybik, occdkbrn, biky-sbply, smeifs, sbmot, occ-abntcalcincil, mod firm, rthylex, simot, occbent, tfrsfrag, vcalc

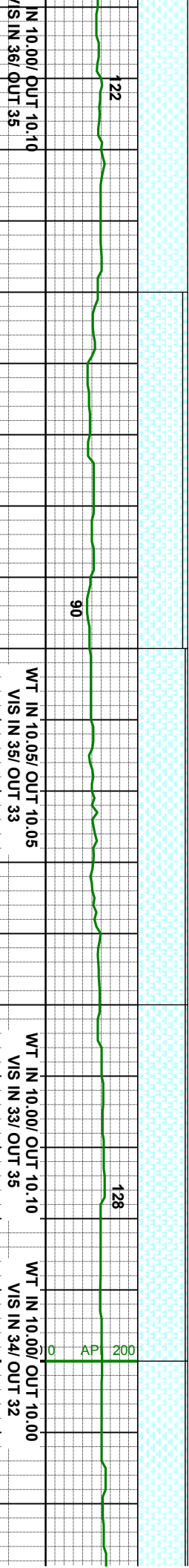
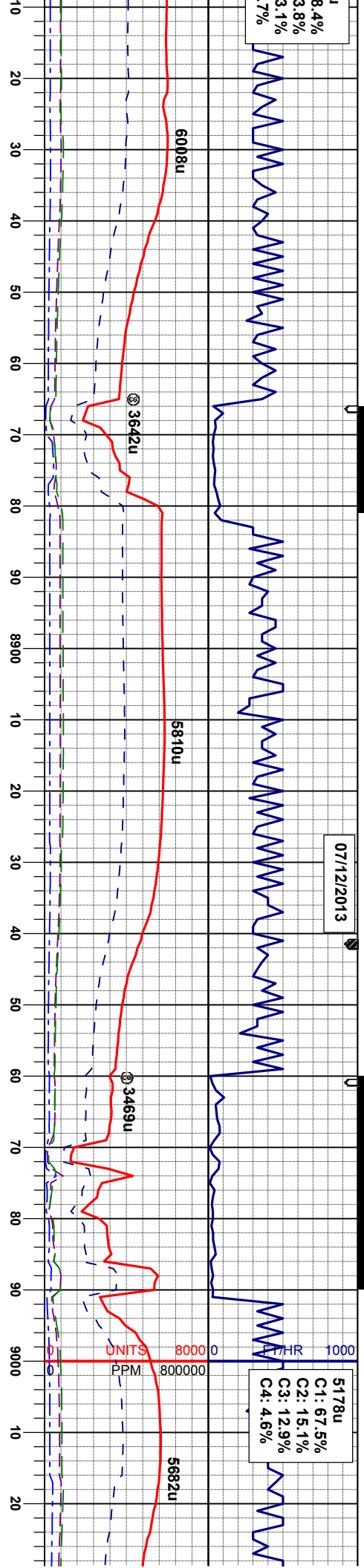
MRL: mgy-gybik, occdkbrn, biky-sbply, smeifs, sbmot, occ-abntcalcincil, mod firm, rthylex, simot, occbent, tfrsfrag, vcalc

MRL: mgy-gybik, occdkbrn, biky-sbply, smeifs, sbmot, occ-abntcalcincil, mod firm, rthylex, simot, occbent, tfrsfrag, vcalc

8.4%
3.8%
3.1%
7%

07/12/2013

5178u
C1: 67.5%
C2: 15.1%
C3: 12.9%
C4: 4.6%



MD 8899'
INC 92.5°
AZM 87.9°
TVD 5982.46'

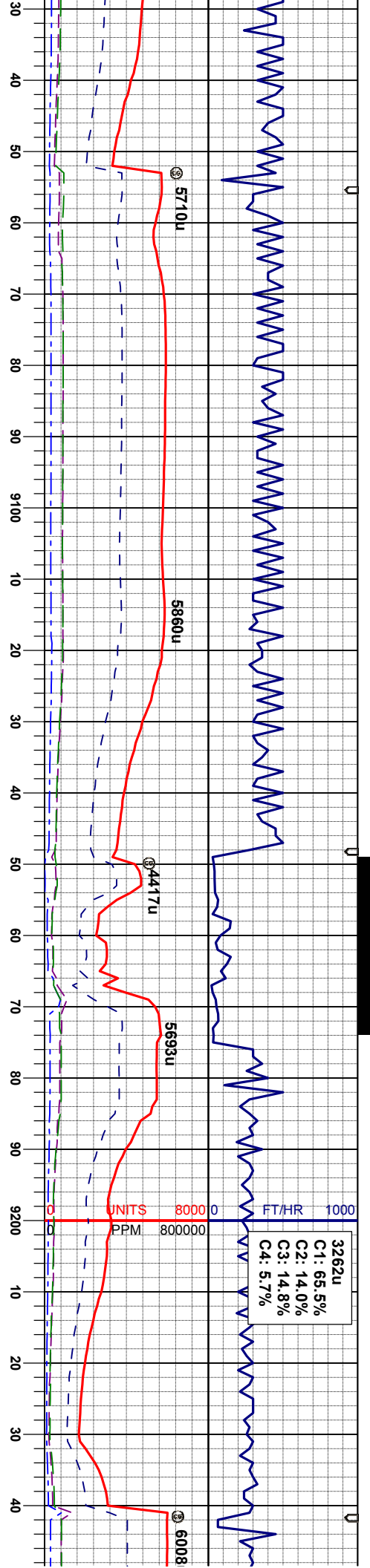
MD 8994'
INC 90.4°
AZM 89.1°
TVD 5980.06'

MRL: mgy-gyblk, occdkbrn, biky-sbply, smeifs, sbmot, occ-abntcalcinc, mod firm, rthyex, simot, occbent, tftofrag, vcalc
CHK: mgy - m brn, occ llyg - tan, mod sft - mod firm, sbply-sbply, rthyex - mot, vcalc

MRL: mgy-gyblk, occdkbrn, biky-sbply, smeifs, sbmot, occ-abntcalcinc, mod firm, rthyex, simot, occbent, tftofrag, vcalc
CHK: mgy - m brn, occ llyg - tan, mod sft - mod firm, sbply-sbply, rthyex - mot, vcalc

MRL: mgy-gyblk, occdkbrn, biky-sbply, smeifs, sbmot, occbent, tftofrag, vcalc
CHK: mgy - m brn, occ llyg - tan, mod sft - mod firm, sbply-sbply, rthyex - mot, vcalc





MD 9088'
INC 88.7°
AZM 88.9°
TVD 5980.80'

WT IN 10.00/ OUT 10.05
VIS IN 33/ OUT 34

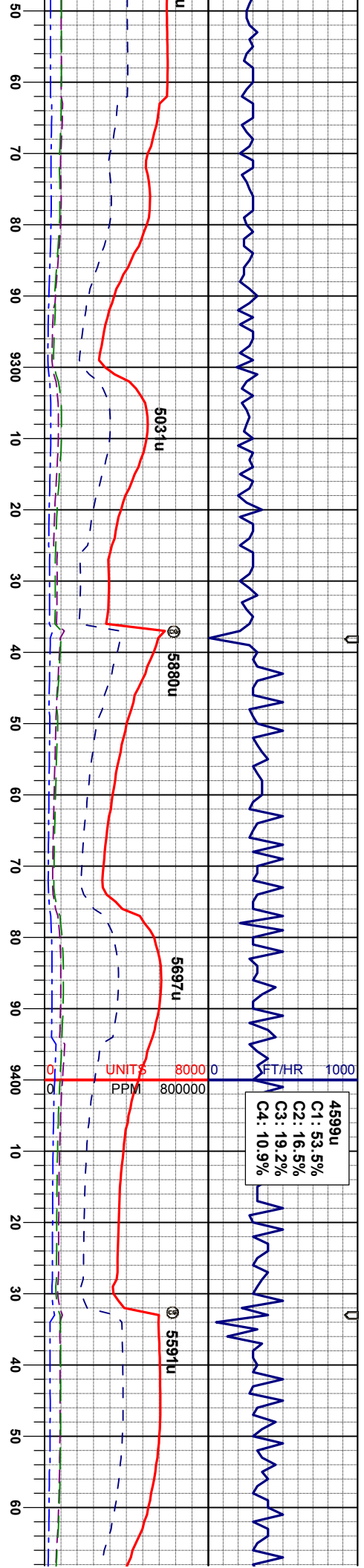
MD 9182'
INC 90.1°
AZM 90.6°
TVD 5981.78'

MRL: mgy-gyblk, occdkbrn, blk-y-sbply, smetis, sbmot, tr-occcalcincrl, mod firm, rthyex, slmot, occbent, tftosfrag, vcalc
CHK: mgy - m brn, occ llyg - tan, mod sft - mod firm, sbply-sbply, rthyex - mot, vcalc

MRL: mgy-gyblk, occdkbrn, blk-y-sbply, smetis, sbmot, tr-occcalcincrl, mod firm, rthyex, slmot, tlbent, tftosfrag, vcalc
CHK: mgy - m brn, occ llyg - tan, mod sft - mod firm, sbply-sbply, rthyex - mot, vcalc

MRL: mgy-gyblk, occdkbrn, blk-y-sbply, smetis, sbmot, tr-occcalcincrl, mod firm, rthyex, slmot, tlbent, tftosfrag, vcalc
CHK: mgy - m brn, occ llyg - tan, mod sft - mod firm, sbply-sbply, rthyex - mot, vcalc





WT IN 10.05/ OUT 10.00
VIS IN 35/ OUT 33

MD 9277'
INC 91.2°
AZM 91.0°
TVD 5980.70'

MD 9372'
INC 90.7°
AZM 90.3°
TVD 5979.13'

MD 94
INC 90
AZM 91
TVD 5978.

MRL: mgy-gyblk, occdkbrn, blk-y-sbply, smefls, sbmot, tr-occcalcinc, mod firm, rthyex, slmot, tbent, ttrstfrag, vcalc
CHK: mgy - m brn, occ lgy - tan, mod sft - mod firm, sbply-sbblky, rthyex - mot, vcalc

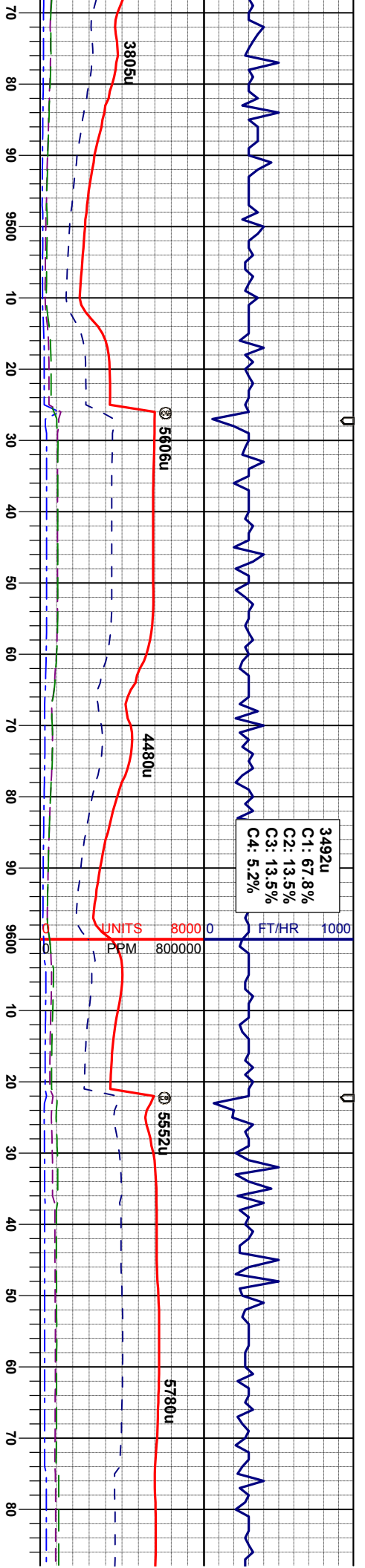
MRL: mgy-gyblk, occdkbrn, blk-y-sbply, smefls, sbmot, tr-occcalcinc, mod firm, rthyex, slmot, tbent, ttrstfrag, vcalc
CHK: mgy - m brn, occ lgy - tan, mod sft - mod firm, sbply-sbblky, rthyex - mot, vcalc

MRL: mgy-gyblk, occdkbrn, blk-y-sbply, smefls, sbmot, tr-occcalcinc, mod firm, rthyex, slmot, tbent, ttrstfrag, vcalc
CHK: mgy - m brn, occ lgy - tan, mod sft - mod firm, sbply-sbblky, rthyex - mot, vcalc

MRL: mgy-gyblk, occdkbrn, blk-y-sbply, smefls, sbmot, tr-occcalcinc, mod firm, rthyex, slmot, tbent, ttrstfrag, vcalc
CHK: mgy - m brn, occ lgy - tan, mod sft - mod firm, sbply-sbblky, rthyex - mot, vcalc

MRL: mgy-gyblk, occdkbrn, blk-y-sbply, smefls, sbmot, tr-occcalcinc, mod firm, rthyex, slmot, tbent, ttrstfrag, vcalc
CHK: mgy - m brn, occ lgy - tan, mod sft - mod firm, sbply-sbblky, rthyex - mot, vcalc





66'
0.1°
0.5°
47'

MD 9561'
INC 90.3°
AZM 92.7°
TVD 5978.14'

MD 9655'
INC 90.4°
AZM 93.0°
TVD 5977.57'

bk, occdkbrn, biky-sbply,
t-occacalcinc, mod firm,
tbent, tftosfrag, vcalc
brn, occ lty - tan, mod sft -
ly-sbiky, rthylex - mot, vcalc

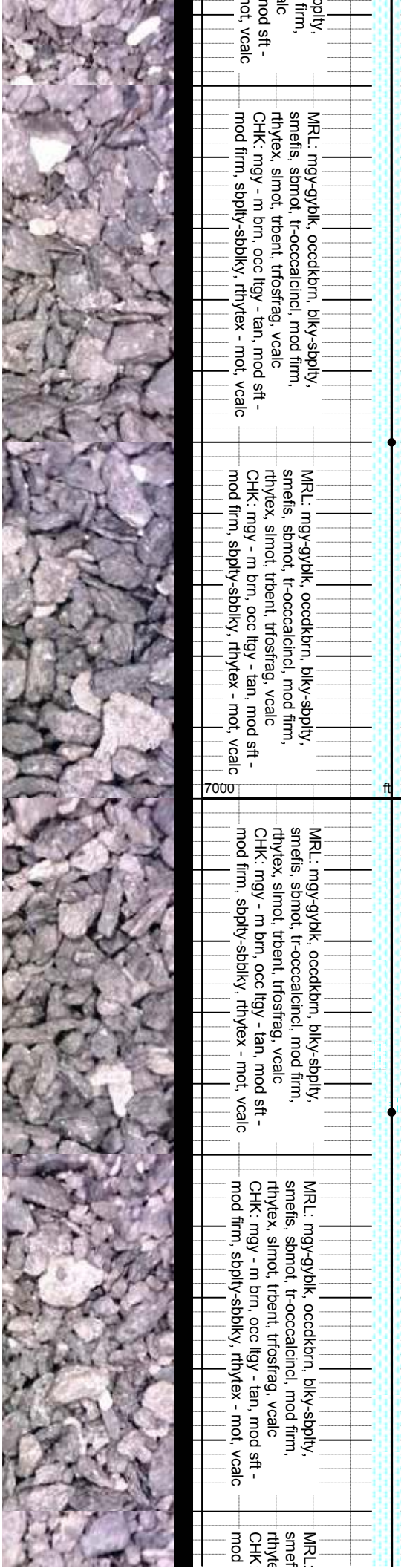
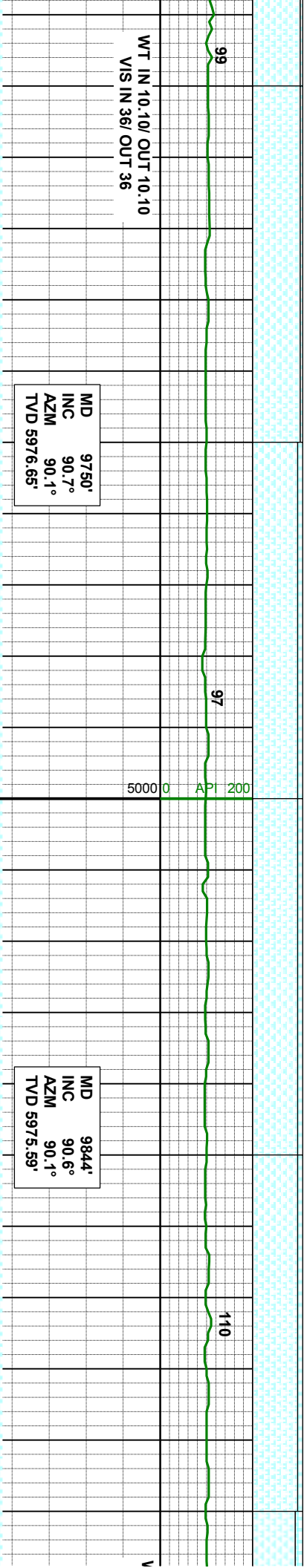
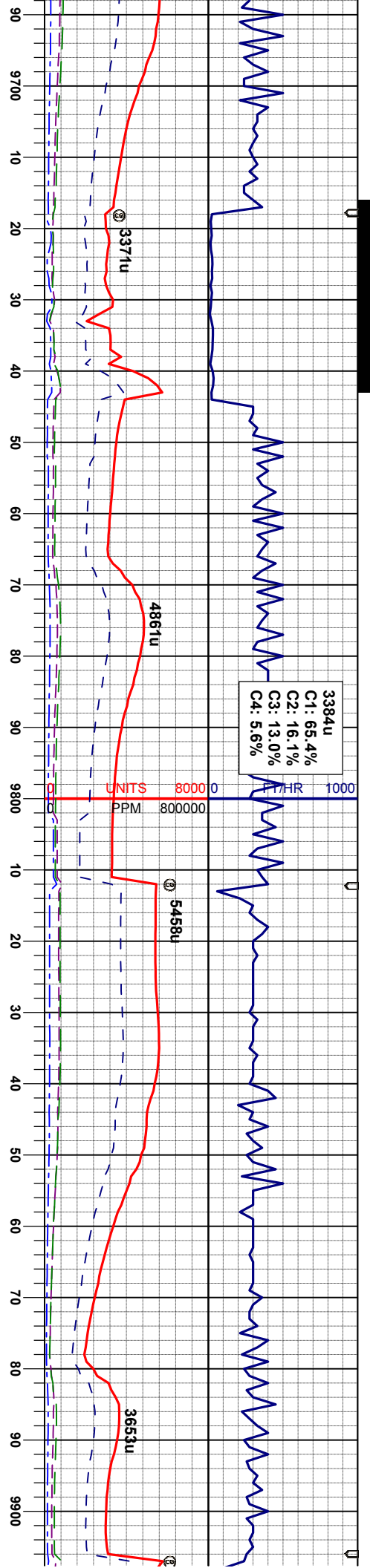
MR: mgy-gybk, occdkbrn, biky-sbply,
smefs, sbmot, t-occacalcinc, mod firm,
rthylex, simot, tbent, tftosfrag, vcalc

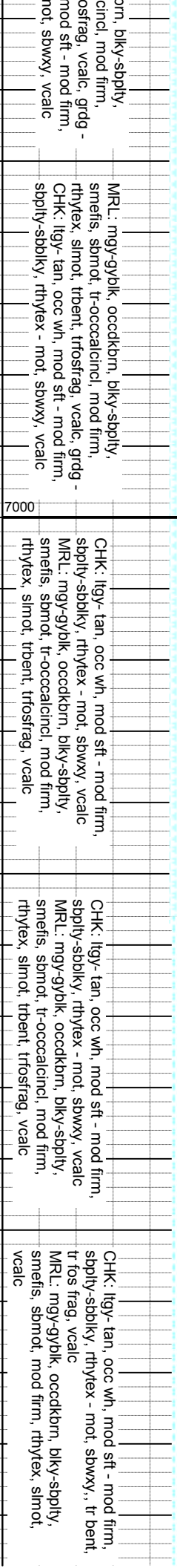
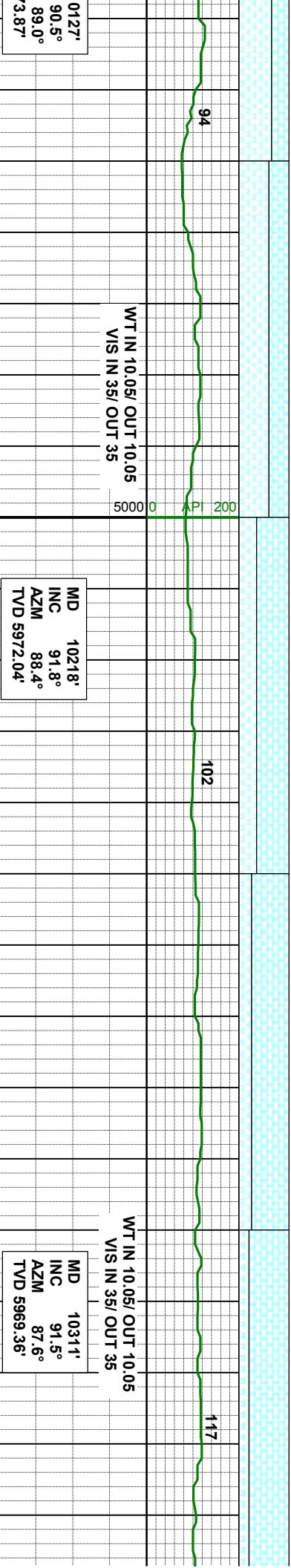
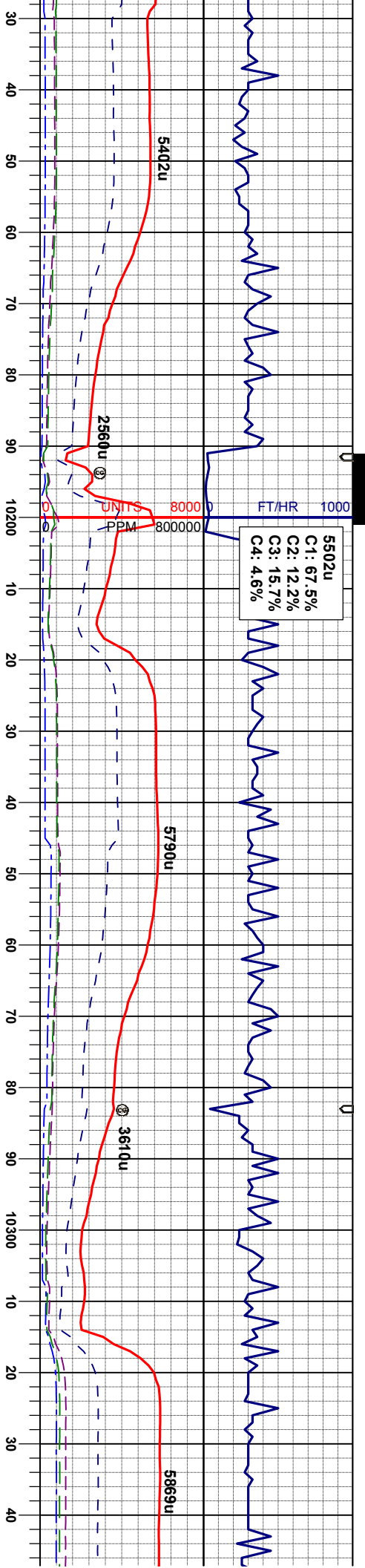
MR: mgy-gybk, occdkbrn, biky-sbply,
smefs, sbmot, t-occacalcinc, mod firm,
rthylex, simot, tbent, tftosfrag, vcalc

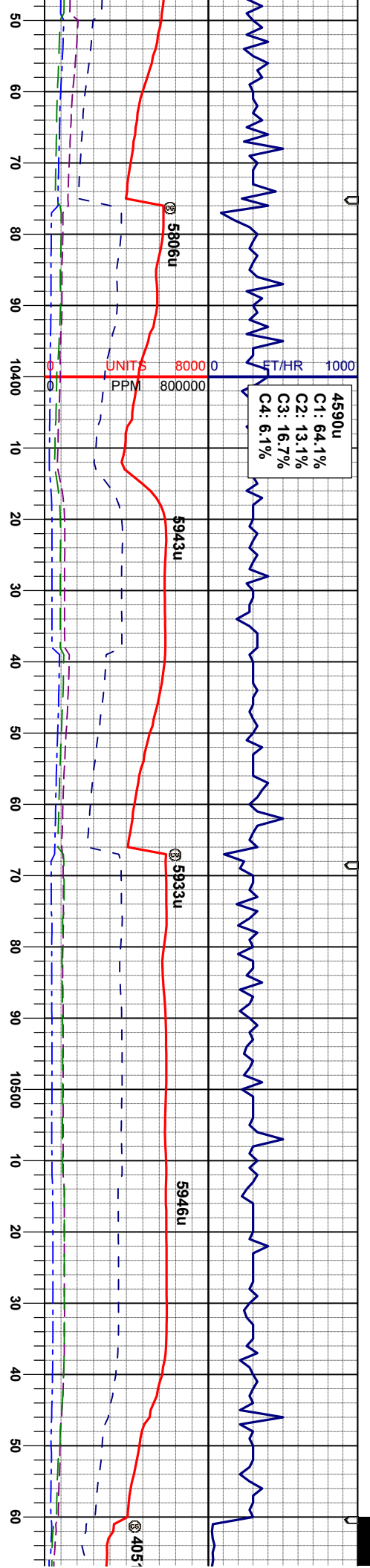
MR: mgy-gybk, occdkbrn, biky-sbply,
smefs, sbmot, t-occacalcinc, mod firm,
rthylex, simot, tbent, tftosfrag, vcalc

MR: mgy-gybk, occdkbrn, biky-sbply,
smefs, sbmot, t-occacalcinc, mod firm,
rthylex, simot, tbent, tftosfrag, vcalc
CHK: mgy - m brn, occ lty - tan, n
mod firm, sbply-sbiky, rthylex - r









WT IN 10.05/ OUT 10.05
VIS IN 35/ OUT 35

WT IN 10.10/ OUT 10.10
VIS IN 35/ OUT 35

MD 10403'
INC 91.5°
AZM 86.6°
TVD 5966.95'

MD 10496'
INC 92.1°
AZM 86.0°
TVD 5964.03'

CHK: lly- tan, occ wh, mod sft - mod firm, sbbly-sbbly, rhytex - mot, sbwxy,, tr bent, tr fos frag, vcalc
MRL: mgy-gyblk, occdkbm, bly-sbbly, smefts, sbmot, mod firm, rhytex, slmot, vcalc

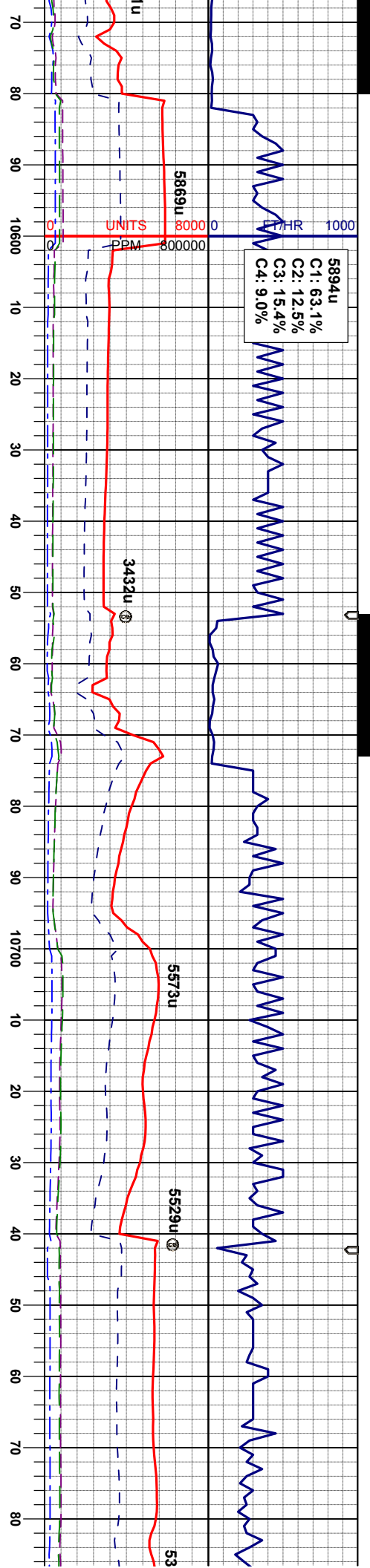
CHK: lly- tan, occ wh, mod sft - mod firm, sbbly-sbbly, rhytex - mot, sbwxy,, tr bent, tr fos frag, vcalc
MRL: mgy-gyblk, occdkbm, bly-sbbly, smefts, sbmot, mod firm, rhytex, slmot, vcalc

CHK: lly- tan, occ wh, mod sft - mod firm, sbbly-sbbly, rhytex - mot, sbwxy,, tr bent, tr fos frag, vcalc
MRL: mgy-gyblk, occdkbm, bly-sbbly, smefts, sbmot, mod firm, rhytex, slmot, vcalc

CHK: lly- tan, occ wh, mod sft - mod firm, sbbly-sbbly, rhytex - mot, sbwxy,, tr bent, tr fos frag, vcalc
MRL: mgy-gyblk, occdkbm, bly-sbbly, smefts, sbmot, mod firm, rhytex, slmot, vcalc

CHK: lly- tan, occ wh, mod sft - mod firm, sbbly-sbbly, rhytex - mot, sbwxy,, tr bent, tr fos frag, vcalc
MRL: mgy-gyblk, occdkbm, bly-sbbly, smefts, sbmot, mod firm, rhytex, slmot, vcalc





MD 10589'
INC 90.8°
AZM 85.6°
TVD 5961.68'

APL 200

125

WT IN 10.10/ OUT 10.10
VIS IN 36/ OUT 36

MD 10682'
INC 89.6°
AZM 87.8°
TVD 5961.36'

108

WT IN 9.90/ OUT 9.90
VIS IN 35/ OUT 35

MD 10774'
INC 89.6°
AZM 88.1°
TVD 5962.00'

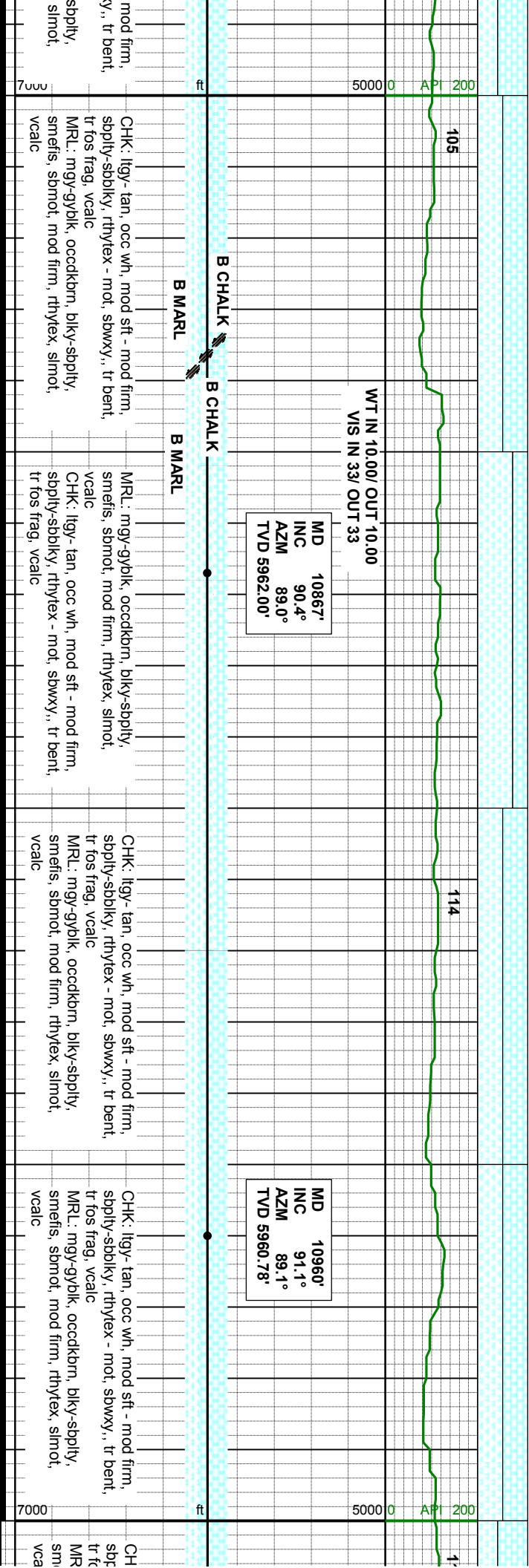
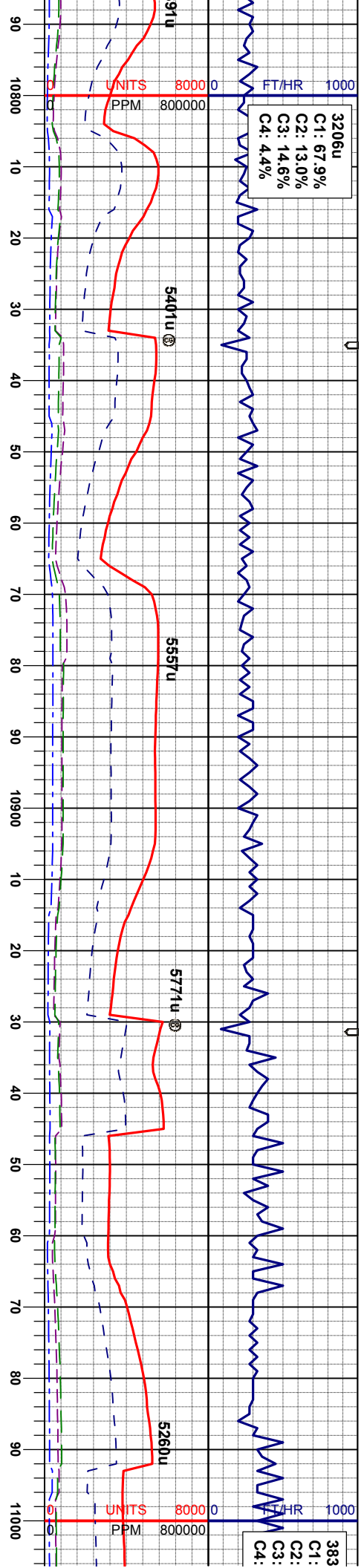
occ wh, mod sft - mod firm,
rthyx - mot, sbwxy,, tr bent,
mod firm, rthyx, simot,

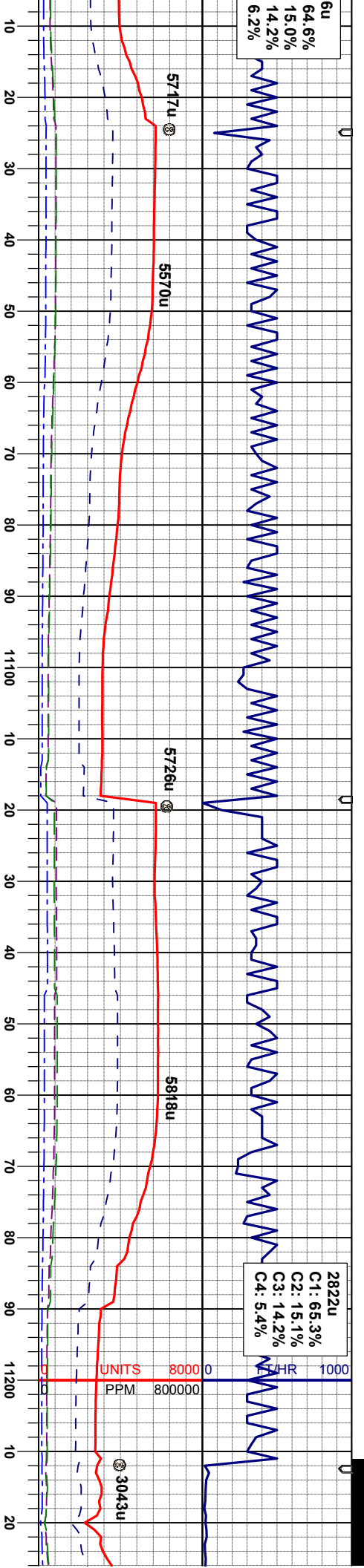
CHK: lly- tan, occ wh, mod sft - mod firm,
sbply-sbply, rthyx - mot, sbwxy,, tr bent,
tr fos frag, vcalc
MRL: mgy-gyblk, occdkbrn, bly-sbply,
smefs, sbmot, mod firm, rthyx, simot,
vcalc

CHK: lly- tan, occ wh, mod sft - mod firm,
sbply-sbply, rthyx - mot, sbwxy,, tr bent,
tr fos frag, vcalc
MRL: mgy-gyblk, occdkbrn, bly-sbply,
smefs, sbmot, mod firm, rthyx, simot,
vcalc

CHK: lly- tan, occ wh, mod sft - mod firm,
sbply-sbply, rthyx - mot, sbwxy,, tr bent,
tr fos frag, vcalc
MRL: mgy-gyblk, occdkbrn, bly-sbply,
smefs, sbmot, mod firm, rthyx, simot,
vcalc

CHK: lly- tan, occ wh, mod sft -
sbply-sbply, rthyx - mot, sbwxy
tr fos frag, vcalc
MRL: mgy-gyblk, occdkbrn, bly-
smefs, sbmot, mod firm, rthyx,
vcalc





MD 11053'
INC 91.0°
AZM 87.7°
TVD 5959.08'

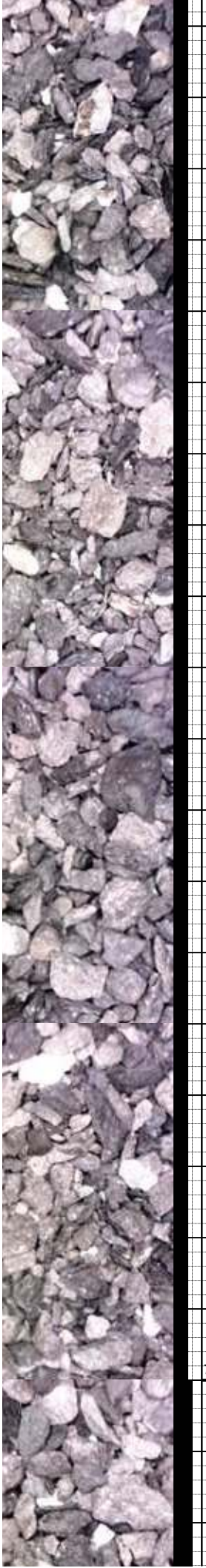
MD 11147'
INC 89.2°
AZM 85.8°
TVD 5958.91'

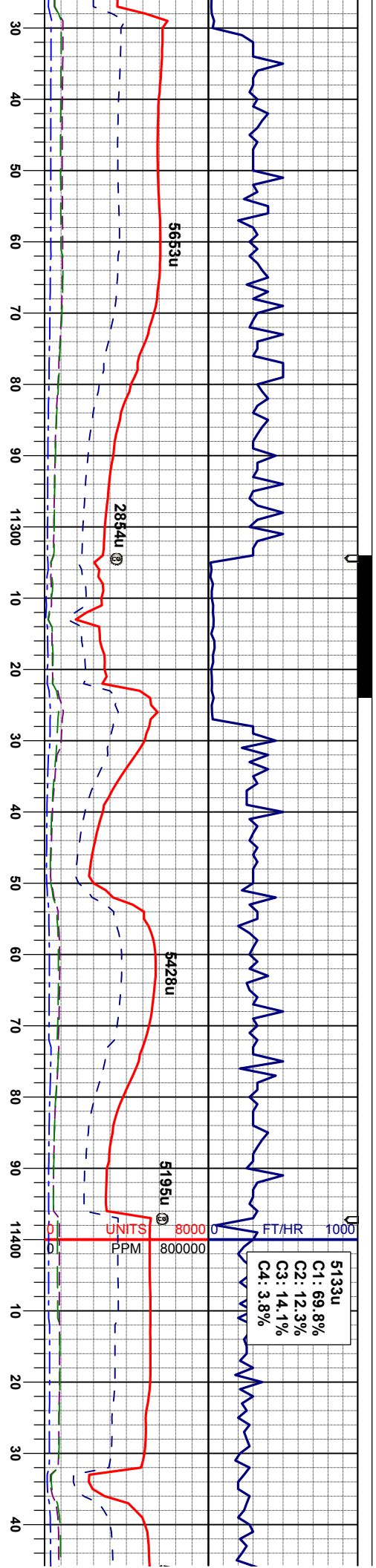
K: lly- tan, occ wh, mod sft - mod firm,
sblly-sbblky, rthylex - mot, sbwxy,, tr bent,
os frag, vcalc
L: mgy-gyblk, occckbrn, biky-sbply,
smefs, sbmot, mod firm, rthylex, slmot,
vcalc

CHK: lly- tan, occ wh, mod sft - mod firm,
sblly-sbblky, rthylex - mot, sbwxy,, tr bent,
tr fos frag, vcalc
MRL: mgy-gyblk, occckbrn, biky-sbply,
smefs, sbmot, mod firm, rthylex, slmot,
vcalc

CHK: lly- tan, occ wh, mod sft - mod firm,
sblly-sbblky, rthylex - mot, sbwxy,, tr bent,
tr fos frag, vcalc
MRL: mgy-gyblk, occckbrn, biky-sbply,
smefs, sbmot, mod firm, rthylex, slmot,
vcalc

CHK: lly- tan, occ wh, mod sft - mod firm,
sblly-sbblky, rthylex - mot, sbwxy,, tr bent,
tr fos frag, vcalc
MRL: mgy-gyblk, occckbrn, biky-sbply,
smefs, sbmot, mod firm, rthylex, slmot,
vcalc





WT IN 10.00/ OUT 10.10
VIS IN 34/ OUT 33

MD 11240'
INC 89.0°
AZM 87.2°
TVD 5960.37'

WT IN 9.95/ OUT 10.00
VIS IN 34/ OUT 33

MD 11332'
INC 90.7°
AZM 87.2°
TVD 5960.61'

WT IN 9.95/ OUT 9.95
VIS IN 36/ OUT 33

MD 11425'
INC 90.5°
AZM 88.3°
TVD 5959.64'

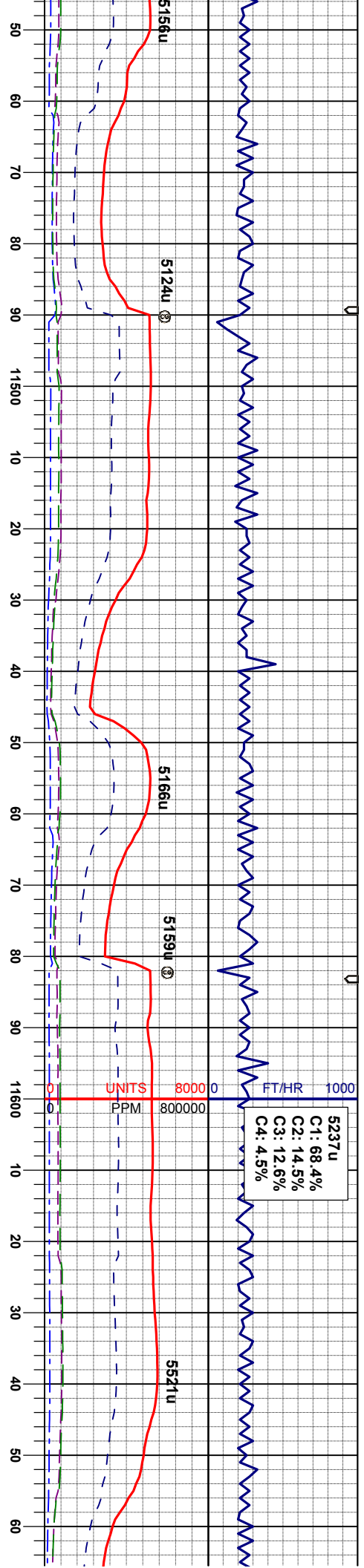
CHK: lty- tan, occ wh, mod sft - mod firm, sbply-sbply, rhytex - mot, sbwxy,, tr bent, tr fos frag, vcalc
MRL: mgy-gyblk, occdkbrn, blkly-sbply, smeifs, sbmot, mod firm, rhytex, simot, vcalc

CHK: lty- tan, occ wh, mod sft - mod firm, sbply-sbply, rhytex - mot, sbwxy,, tr bent, tr fos frag, vcalc
MRL: mgy-gyblk, occdkbrn, blkly-sbply, smeifs, sbmot, mod firm, rhytex, simot, vcalc

CHK: lty- tan, occ wh, mod sft - mod firm, sbply-sbply, rhytex - mot, sbwxy,, tr bent, tr fos frag, vcalc
MRL: mgy-gyblk, occdkbrn, blkly-sbply, smeifs, sbmot, mod firm, rhytex, simot, vcalc

CHK: lty- tan, occ wh, mod sft - mod firm, sbply-sbply, rhytex - mot, sbwxy,, tr bent, tr fos frag, vcalc
MRL: mgy-gyblk, occdkbrn, blkly-sbply, smeifs, sbmot, mod firm, rhytex, simot, vcalc





MD 11519'
INC 90.3°
AZM 88.6°
TVD 5958.98'

WT IN 10.00/ OUT 9.95
VIS IN 35/ OUT 34

MD 11612'
INC 90.1°
AZM 89.0°
TVD 5958.66'

CHK: lgy- tan, occ wh, mod sft - mod firm, sbply-sbply, rthyex - mot, sbwxy,, tr bent, tr fos frag, vcalc
MRL: mgy-gyblk, occdkbrn, blkly-sbply, smeifs, sbmot, mod firm, rthyex, simot, vcalc

CHK: lgy- tan, occ wh, mod sft - mod firm, sbply-sbply, rthyex - mot, sbwxy,, tr bent, tr fos frag, vcalc
MRL: mgy-gyblk, occdkbrn, blkly-sbply, smeifs, sbmot, mod firm, rthyex, simot, vcalc

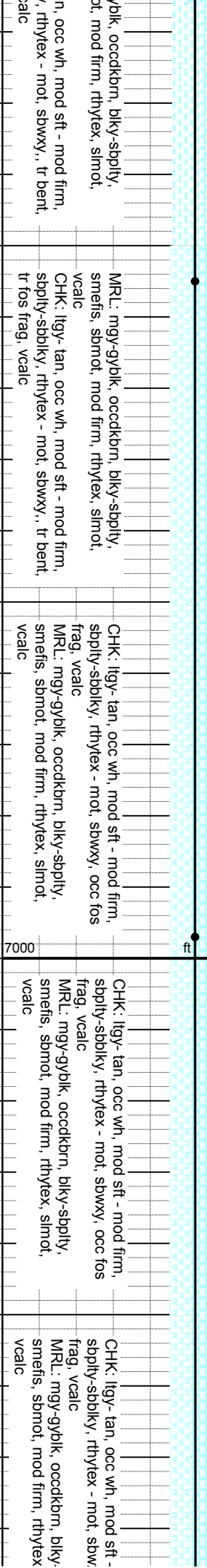
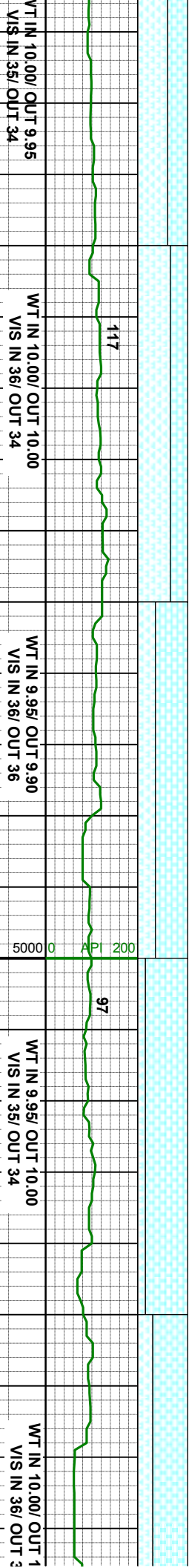
CHK: lgy- tan, occ wh, mod sft - mod firm, sbply-sbply, rthyex - mot, sbwxy,, tr bent, tr fos frag, vcalc
MRL: mgy-gyblk, occdkbrn, blkly-sbply, smeifs, sbmot, mod firm, rthyex, simot, vcalc

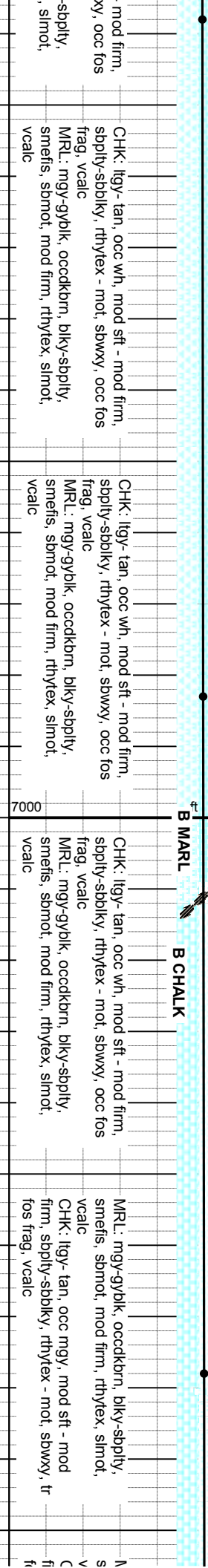
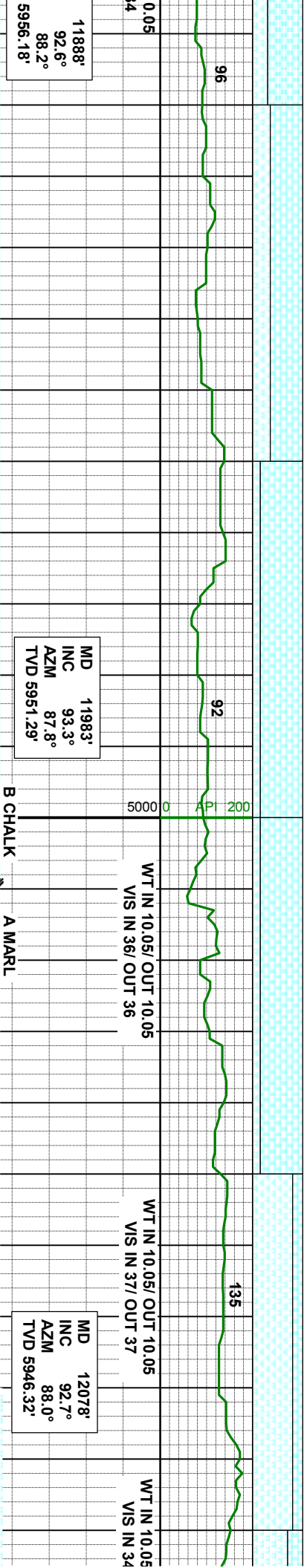
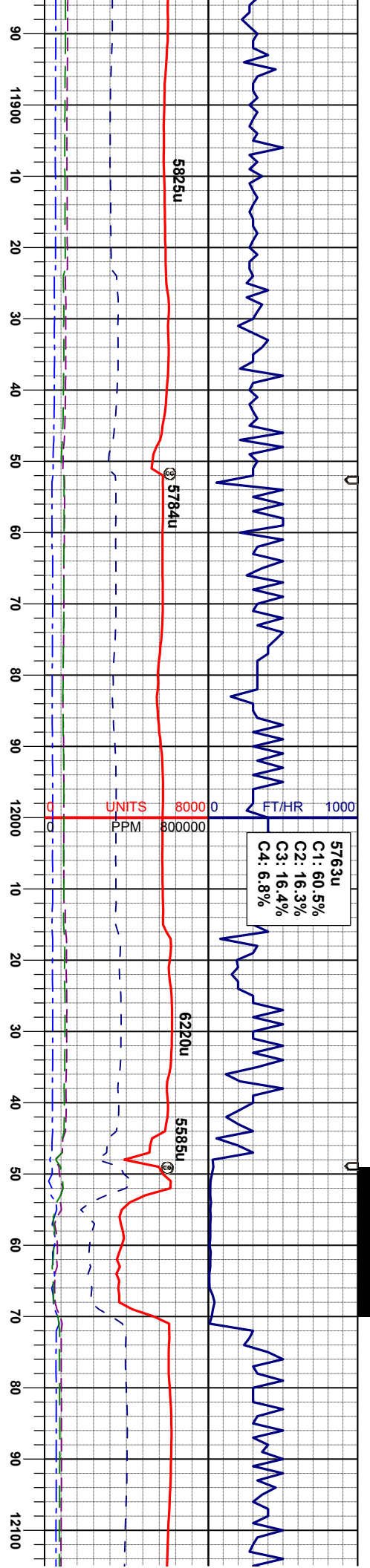
CHK: lgy- tan, occ wh, mod sft - mod firm, sbply-sbply, rthyex - mot, sbwxy,, tr bent, tr fos frag, vcalc
MRL: mgy-gyblk, occdkbrn, blkly-sbply, smeifs, sbmot, mod firm, rthyex, simot, vcalc

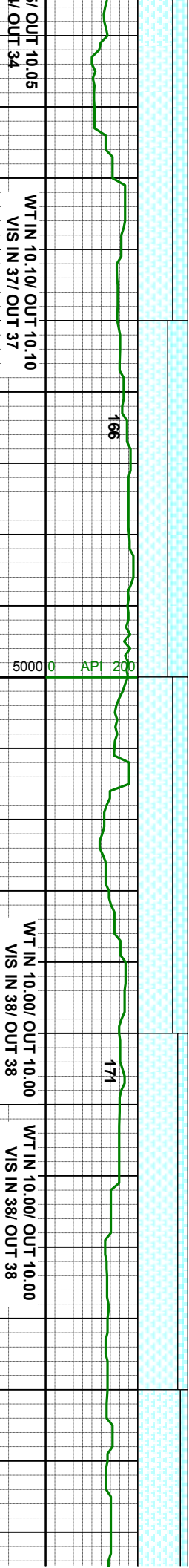
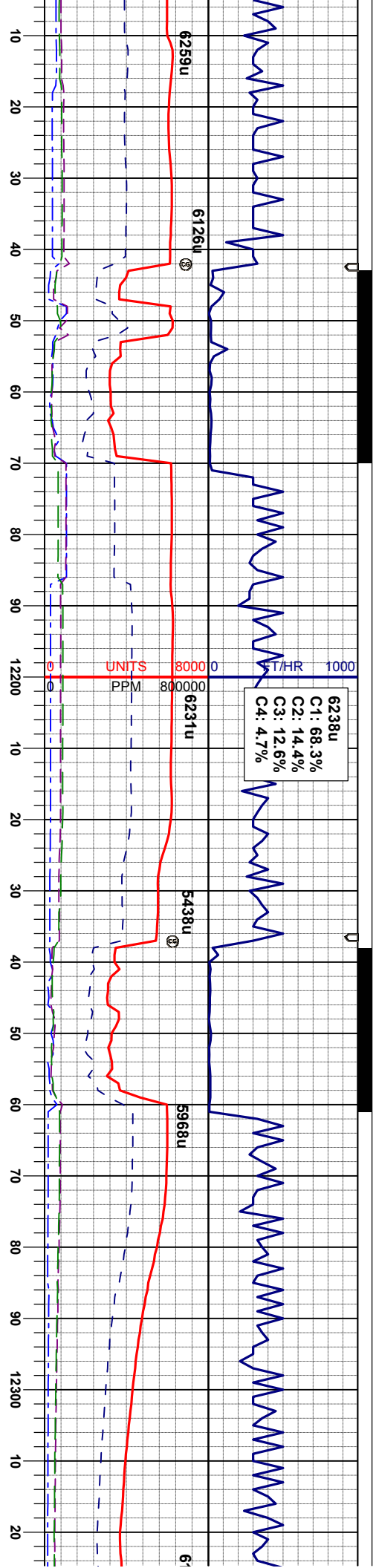
MRL: mgy-gy-
smeifs, sbmot
vcalc
CHK: lgy- ta
sbply-sbply
tr fos frag, vc



1







MD 12172'
INC 91.9°
AZM 87.9°
TVD 5942.55'

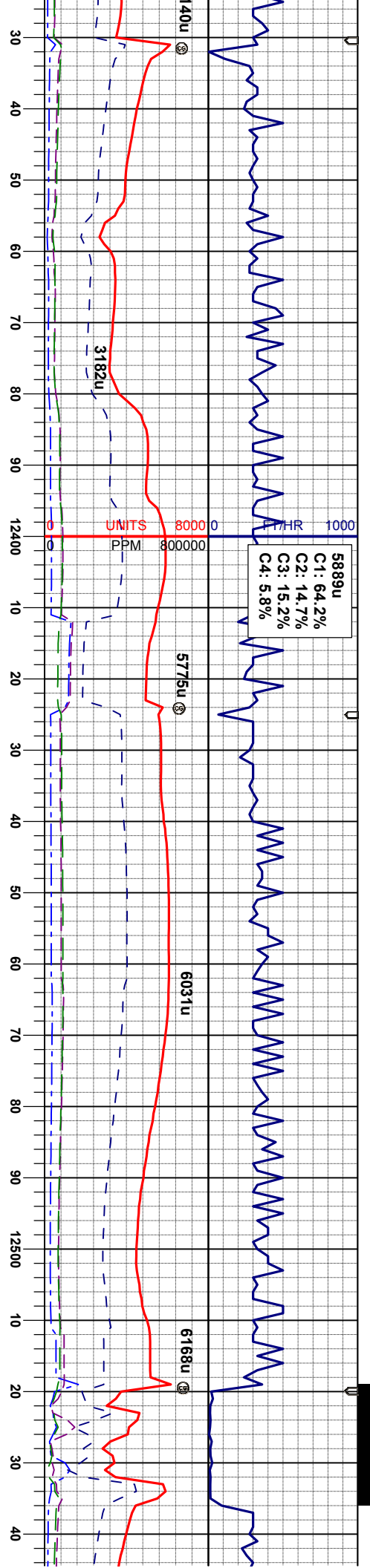
MD 12266'
INC 90.1°
AZM 89.9°
TVD 5940.91'

MRL: mgy-gyblk, occckbrn, blk-y-sbply, smetfs, sbmot, mod firm, rthytex, slmot, vcalc
CHK: llyg- tan, occ mgy, mod sft - mod firm, sbply-sbply, rthytex - mot, sbwxy, tr fos frag, vcalc

MRL: mgy-gyblk, occckbrn, blk-y-sbply, smetfs, sbmot, mod firm, rthytex, slmot, vcalc
CHK: llyg- tan, occ mgy, mod sft - mod firm, sbply-sbply, rthytex - mot, sbwxy, tr fos frag, vcalc

MRL: mgy-gyblk, occckbrn, blk-y-sbply, smetfs, sbmot, mod firm, rthytex, slmot, vcalc
CHK: llyg- tan, occ mgy, mod sft - mod firm, sbply-sbply, rthytex - mot, sbwxy, tr fos frag, vcalc





MD 12361'
INC 90.2°
AZM 87.9°
TVD 5940.66'

WT IN 10.05/ OUT 10.05
VIS IN 37/ OUT 37

MD 12455'
INC 90.8°
AZM 89.0°
TVD 5939.84'

WT IN 10.20/ OUT 9.95
VIS IN 38/ OUT 36

ME INC
AZ TV

dkbm, biky-sbply, firm, rthyex, slmot, vcalc
MRU: mgy-gyblk, occdkbm, biky-sbply, smefis, sbmot, mod firm, rthyex, slmot, vcalc
CHK: lly- tan, occ mgy, mod sft - mod firm, sbply-sbply, rthyex - mot, sbwxy, tr fos frag, vcalc

7000

ft

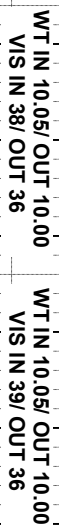
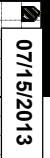
5000 0 AFI 200

159

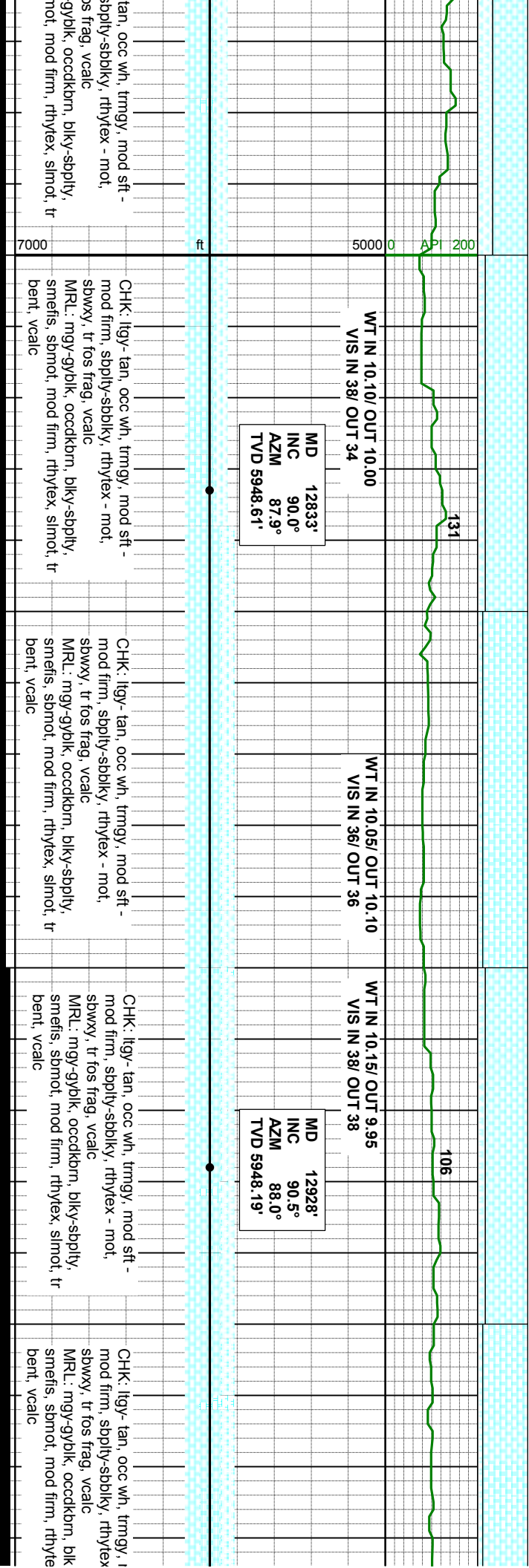
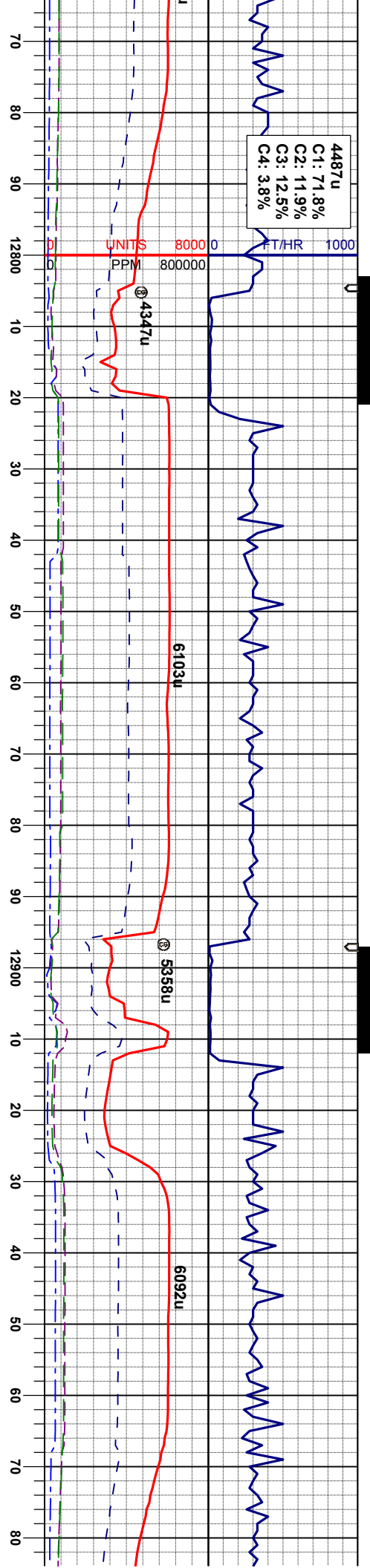
196

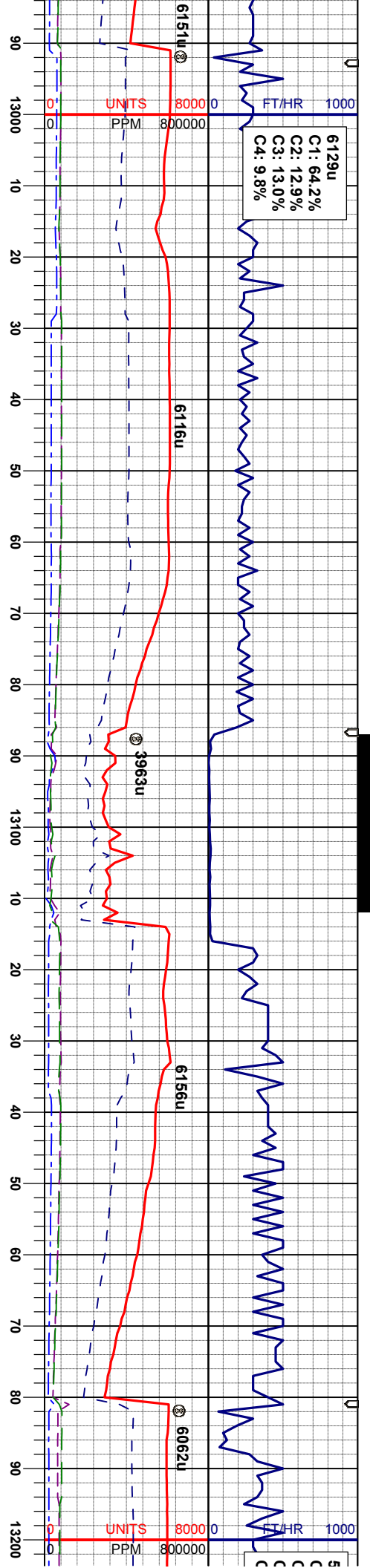
MRU: mgy-gyblk, occdkbm, biky-sbply, smefis, sbmot, mod firm, rthyex, slmot, vcalc
MRU: mgy-gyblk, occdkbm, biky-sbply, smefis, sbmot, mod firm, rthyex, slmot, vcalc, tr chk
CHK: lly- tan, occ mgy, mod sft - mod firm, sbply-sbply, rthyex - mot, sbwxy, tr fos frag, vcalc





CHK: Itg-
mod firm, s
sbwxy, tr fc
MRL: mgy-
smefis, sbr
bent, vcalc





MD 13022'
INC 90.6°
AZM 86.9°
TVD 5947.29'

WT IN 10.05/ OUT 10.05
VIS IN 38/ OUT 38

MD 13116'
INC 91.4°
AZM 88.2°
TVD 5945.65'

WT IN 10.00/ OUT 10.00
VIS IN 40/ OUT 40

mod sft -
- mot,
y-sply,
x, slmot, tr
bent, vcalc

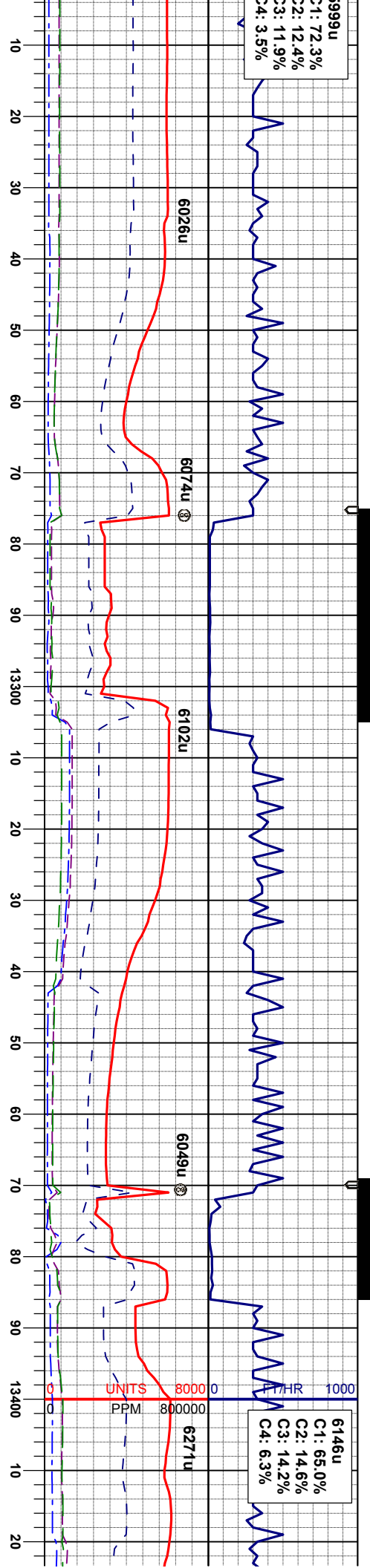
CHK: llyg- tan, occ wh, tmgy, mod sft -
mod firm, sbply-sbply, rhytex - mot,
sbwxy, tr fos frag, vcalc
MR.L: mgy-gy/bk, occdkrn, bly-sbply,
smefis, sbmot, mod firm, rhytex, slmot, tr
bent, vcalc

CHK: llyg- tan, occ wh, tmgy, mod sft -
mod firm, sbply-sbply, rhytex - mot,
sbwxy, tr fos frag, vcalc
MR.L: mgy-gy/bk, occdkrn, bly-sbply,
smefis, sbmot, mod firm, rhytex, slmot, tr
bent, vcalc

CHK: llyg- tan - wh, tmgy, mod sft - mod
firm, sbply-sbply, rhytex - mot, sbwxy, tr
fos frag, vcalc
MR.L: mgy-gy/bk, occdkrn, bly-sbply,
smefis, sbmot, mod firm, rhytex, slmot, tr
bent, vcalc

CHK: llyg- tan - wh, tmgy, mod sft - mod
firm, sbply-sbply, rhytex - mot, sbwxy, tr
fos frag, vcalc
MR.L: mgy-gy/bk, occdkrn, bly-sbply,
smefis, sbmot, mod firm, rhytex, slmot, tr
bent, vcalc





MD 13211'
INC 91.6°
AZM 87.9°
TVD 5943.16'

MD 13305'
INC 91.2°
AZM 89.3°
TVD 5940.87'

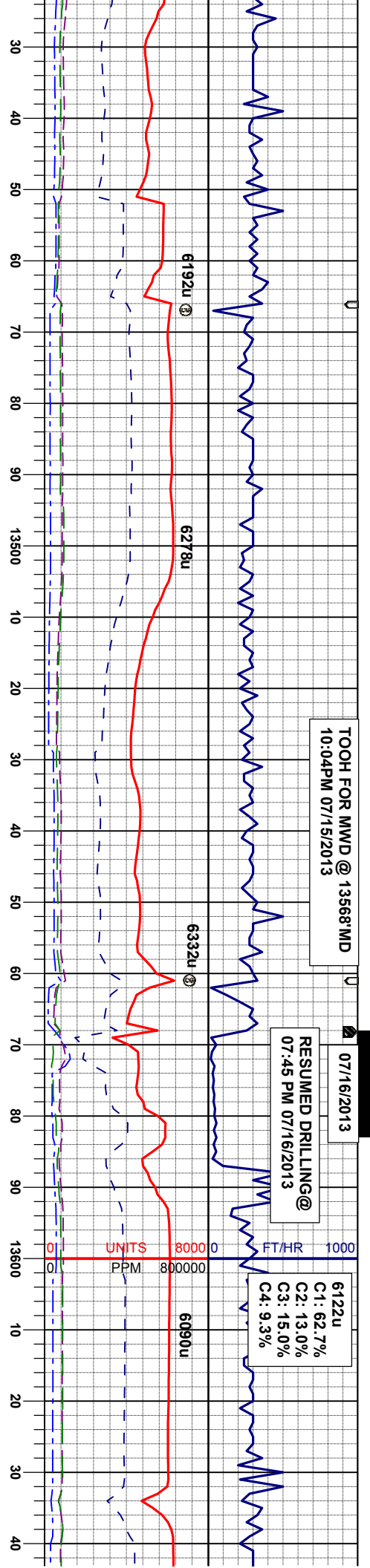
MD 13400'
INC 90.0°
AZM 89.9°
TVD 5939.87'

CHK: llyg - tan - wh, trmgy, mod sft - mod firm, sbply-sbply, rthyex - mot, sbwxy, tr fos frag, vcalc
MR.L: mgy-gyblk, occcdkrrn, blkly-sbply, smefis, sbmot, mod firm, rthyex, simot, tr bent, vcalc

CHK: llyg - tan - wh, trmgy, mod sft - mod firm, sbply-sbply, rthyex - mot, sbwxy, tr fos frag, vcalc
MR.L: mgy-gyblk, occcdkrrn, blkly-sbply, smefis, sbmot, mod firm, rthyex, simot, tr bent, vcalc

CHK: llyg - tan - wh, trmgy, mod sft - mod firm, sbply-sbply, rthyex - mot, sbwxy, tr fos frag, vcalc
MR.L: mgy-gyblk, occcdkrrn, blkly-sbply, smefis, sbmot, mod firm, rthyex, simot, tr bent, vcalc





MD 13494'
INC 89.9°
AZM 89.3°
TVD 5939.95'

WT IN 9.85/ OUT 9.80
VIS IN 36/ OUT 36

WT IN 10.00/ OUT 9.85
VIS IN 36/ OUT 36

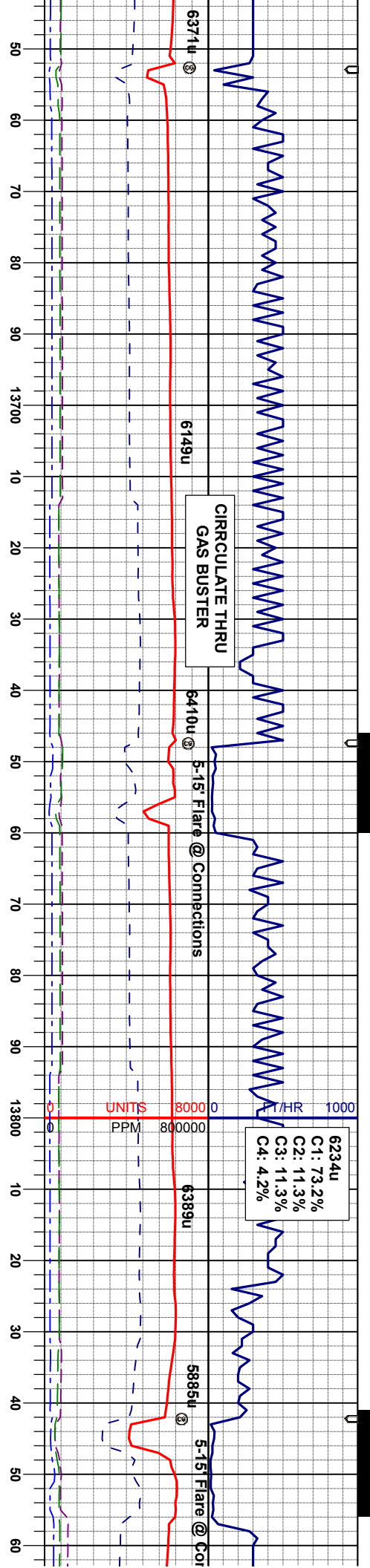
MD 13588'
INC 91.8°
AZM 90.2°
TVD 5938.56'

CHK: lly - tan - wh, trmgy, mod sft - mod
firm, sbply-sbply, rthylex - mot, sbwxy, tr
fos frag, vcalc
MRL: mgy-gyblk, occdkbrn, bly-sbply,
smefis, sbmot, mod firm, rthylex, slmot, tr
bent, vcalc

CHK: lly - tan - wh, trmgy, mod sft - mod
firm, sbply-sbply, rthylex - mot, sbwxy, tr
fos frag, vcalc
MRL: mgy-gyblk, occdkbrn, bly-sbply,
smefis, sbmot, mod firm, rthylex, slmot, tr
bent, vcalc

CHK: lly - tan - wh, trmgy, mod sft - mod
firm, sbply-sbply, rthylex - mot, sbwxy, tr
fos frag, vcalc
MRL: mgy-gyblk, occdkbrn, bly-sbply,
smefis, sbmot, mod firm, rthylex, slmot, tr
bent, vcalc





6234u
C1: 73.2%
C2: 11.3%
C3: 11.3%
C4: 4.2%

MD 13683'
INC 92.9°
AZM 90.1°
TVD 5934.66'

MD 13777'
INC 92.6°
AZM 90.0°
TVD 5930.15'

WT IN 9.90/ OUT 9.80
VIS IN 34/ OUT 34

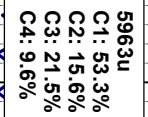
WT IN 9.85/ OUT 9.80
VIS IN 32/ OUT 34

CHK: lgy - tan - wh, tmgy, mod sft - mod firm, sbply-sbply, rhytex - mot, sbwxy, tr fos frag, vcalc
MRL: mgy-gyblk, occdkbm, blk-y-sbply, smefis, sbmot, mod firm, rhytex, slmot, tr bent, vcalc

CHK: lgy - tan - wh, tmgy, mod sft - mod firm, sbply-sbply, rhytex - mot, sbwxy, tr fos frag, vcalc
MRL: mgy-gyblk, occdkbm, blk-y-sbply, smefis, sbmot, mod firm, rhytex, slmot, tr bent, vcalc

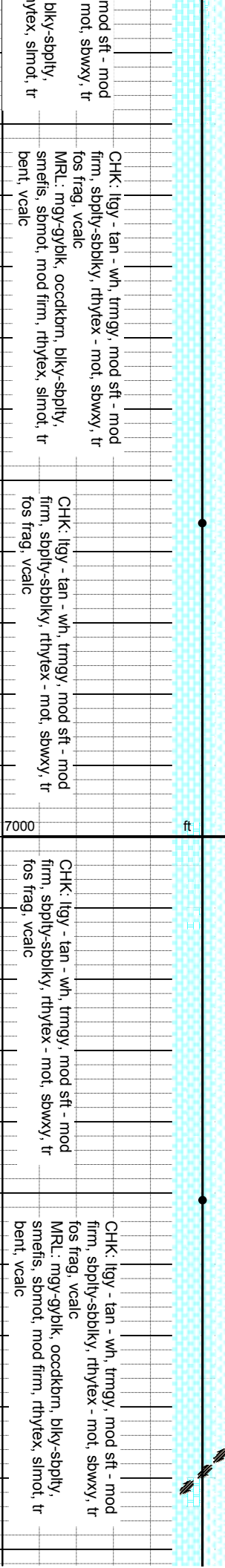
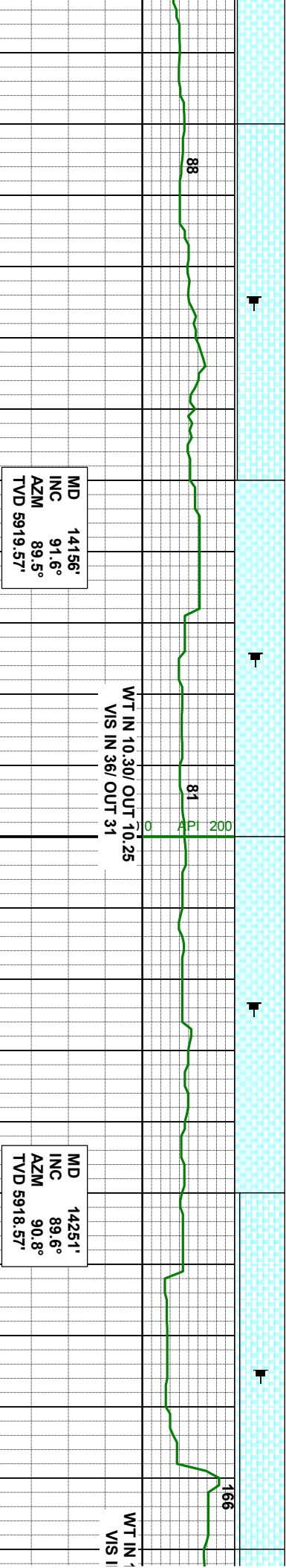
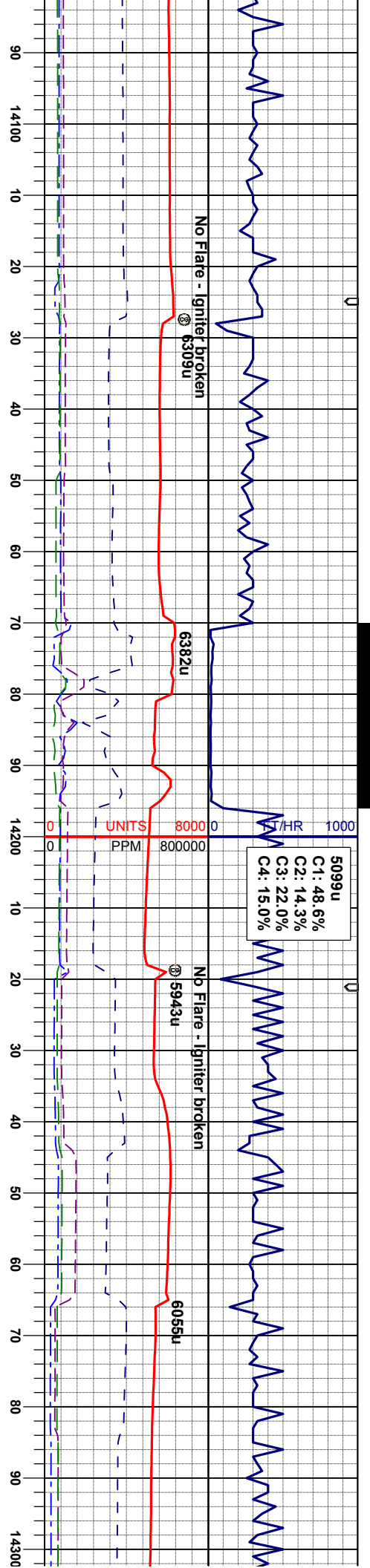
CHK: lgy - tan - wh, tmgy, mod sft - mod firm, sbply-sbply, rhytex - mot, sbwxy, tr fos frag, vcalc
MRL: mgy-gyblk, occdkbm, blk-y-sbply, smefis, sbmot, mod firm, rhytex, slmot, tr bent, vcalc

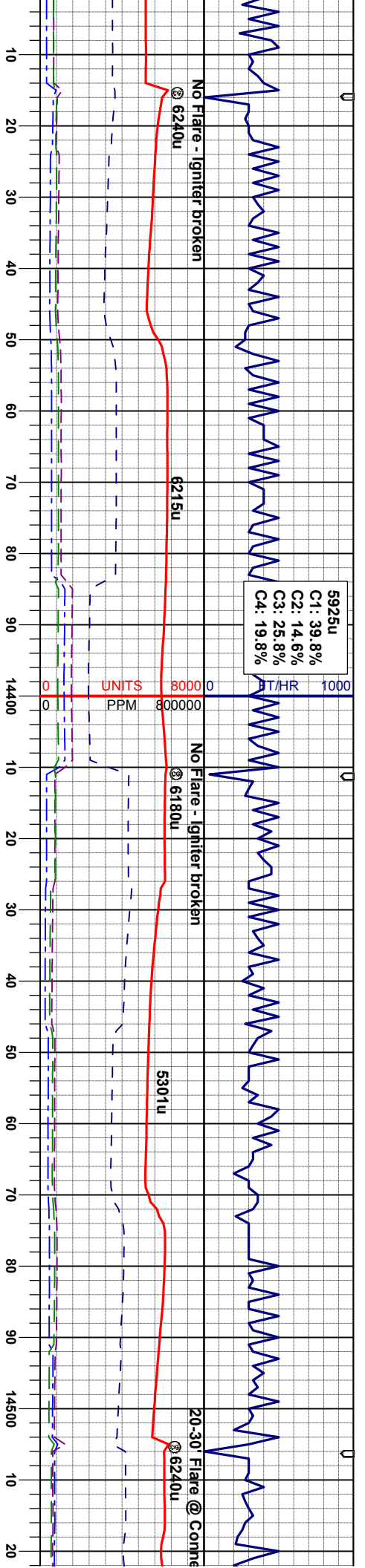




WT IN 10.05/ OUT 10.00
VIS IN 36/ OUT 36

CHK: lly - tan - wh, timgy,
firm, sbply-sbply, rthtex -
fos frag, vcalc
MRL: myg-gyblk, occdkbm,
smefs, sbmot, mod firm, rth
bent, vcalc





5925u
C1: 39.8%
C2: 14.6%
C3: 25.8%
C4: 19.8%

No Flare - Igniter broken
@ 6240u

No Flare - Igniter broken
@ 6180u

20:30 Flare @ 6240u

10:15/ OUT 10:15
N 35/ OUT 35

MD 14345'
INC 89.8°
AZM 89.7°
TVD 5919.06'

API 200

MD 14440'
INC 88.2°
AZM 89.4°
TVD 5920.72'

WT IN 10:15/ OUT 10:15
VIS IN 35/ OUT 35

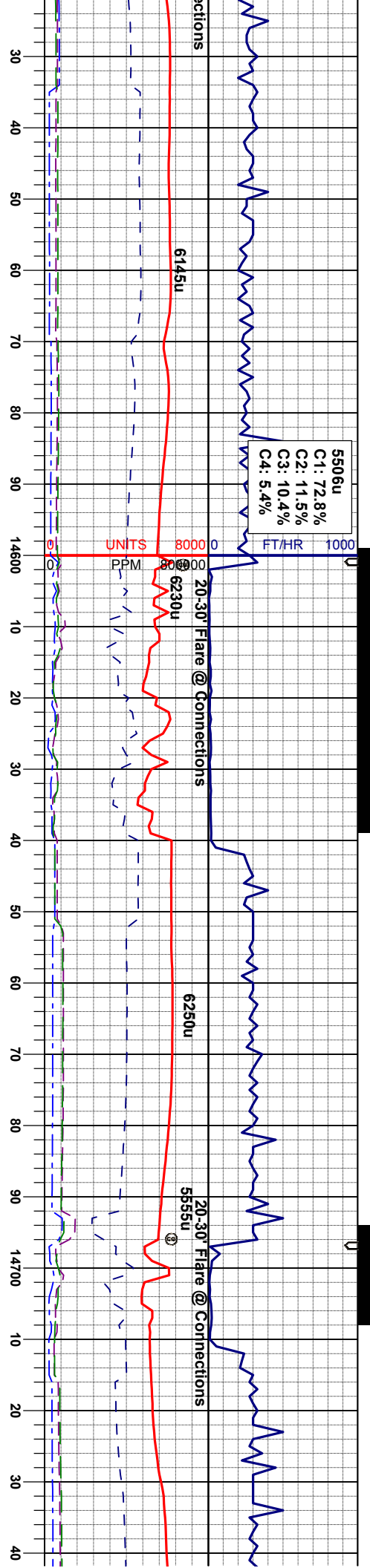
CHK: lly - tan - wh, tmgy, mod sft - mod
firm, sbply-sbply, rhytex - mot, sbwxy, tr
fos frag, vcalc
MRL: mgy-gyblk, oocdkbrn, blkly-sbply,
smefis, sbmot, mod firm, rhytex, slmot, tr
bent, vcalc

CHK: lly - tan - wh, tmgy, mod sft - mod
firm, sbply-sbply, rhytex - mot, sbwxy, tr
fos frag, vcalc
MRL: mgy-gyblk, oocdkbrn, blkly-sbply,
smefis, sbmot, mod firm, rhytex, slmot, tr
bent, vcalc

CHK: lly - tan - wh, tmgy, mod sft - mod
firm, sbply-sbply, rhytex - mot, sbwxy, tr
fos frag, vcalc
MRL: mgy-gyblk, oocdkbrn, blkly-sbply,
smefis, sbmot, mod firm, rhytex, slmot, tr
bent, vcalc

CHK: lly - tan - wh, tmgy, mod sft - mod
firm, sbply-sbply, rhytex - mot, sbwxy, tr
fos frag, vcalc
MRL: mgy-gyblk, oocdkbrn, blkly-sbply,
smefis, sbmot, mod firm, rhytex, slmot, tr
bent, vcalc

CHK: lly - tan - wh, tmgy, mod sft - mod
firm, sbply-sbply, rhytex - mot, sbwxy, tr
fos frag, vcalc
MRL: mgy-gyblk, oocdkbrn, blkly-sbply,
smefis, sbmot, mod firm, rhytex, slmot, tr
bent, vcalc



MD 14535'
INC 87.4°
AZM 88.9°
TVD 5924.37'

MD 14630'
INC 88.2°
AZM 88.1°
TVD 5928.02'

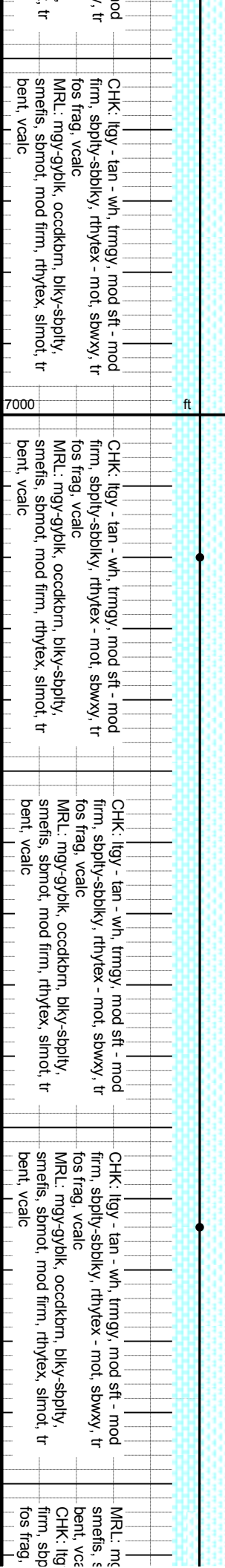
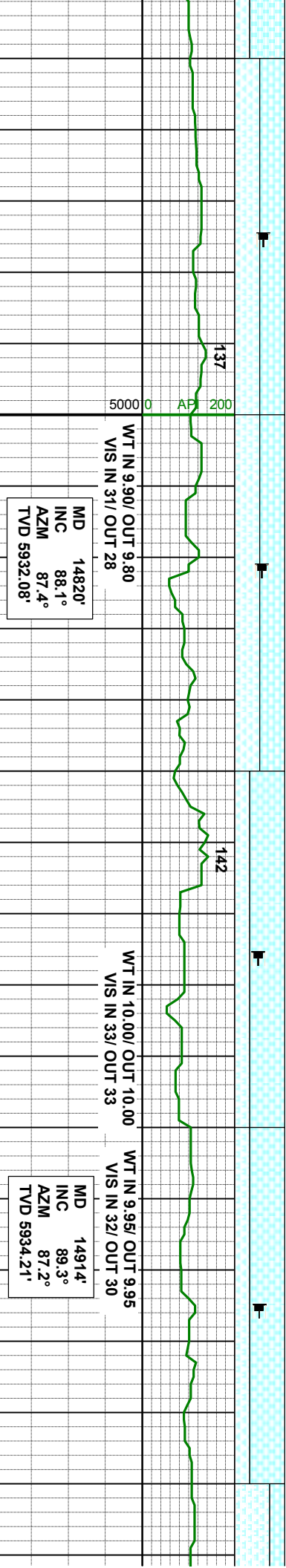
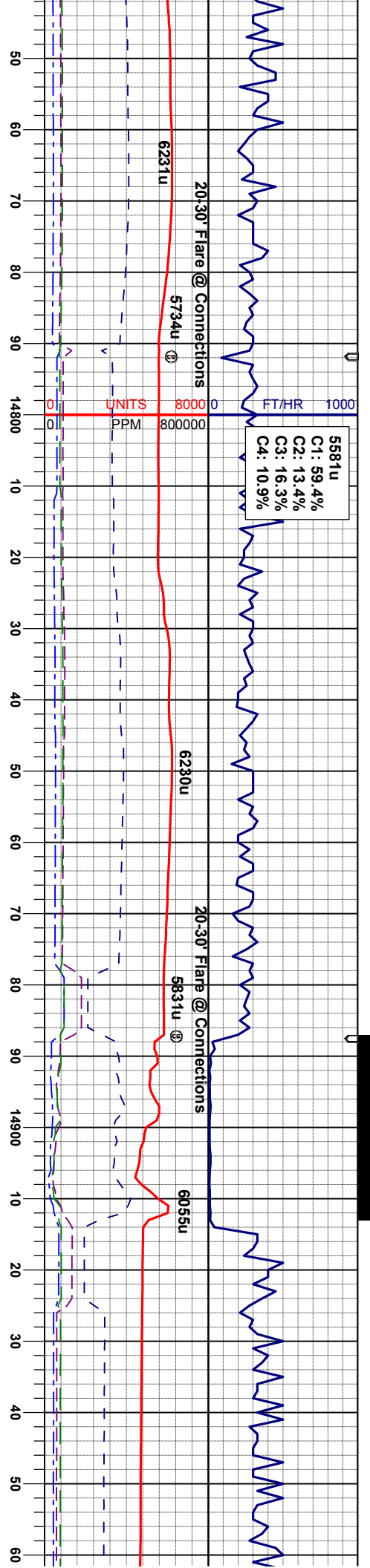
MD 14725'
INC 89.4°
AZM 88.5°
TVD 5930.01'

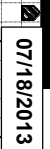
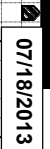
h, tmgy, mod sft - mod
rhytex - mot, sbwxy, tr
CHK: llyg - tan - wh, tmgy, mod sft - mod
firm, sbply-sbply, rhytex - mot, sbwxy, tr
fos frag, vcalc
MRL: mgy-gyblk, occdkbrn, blkY-sbply,
smefis, sbmot, mod firm, rhytex, slmot, tr
bent, vcalc

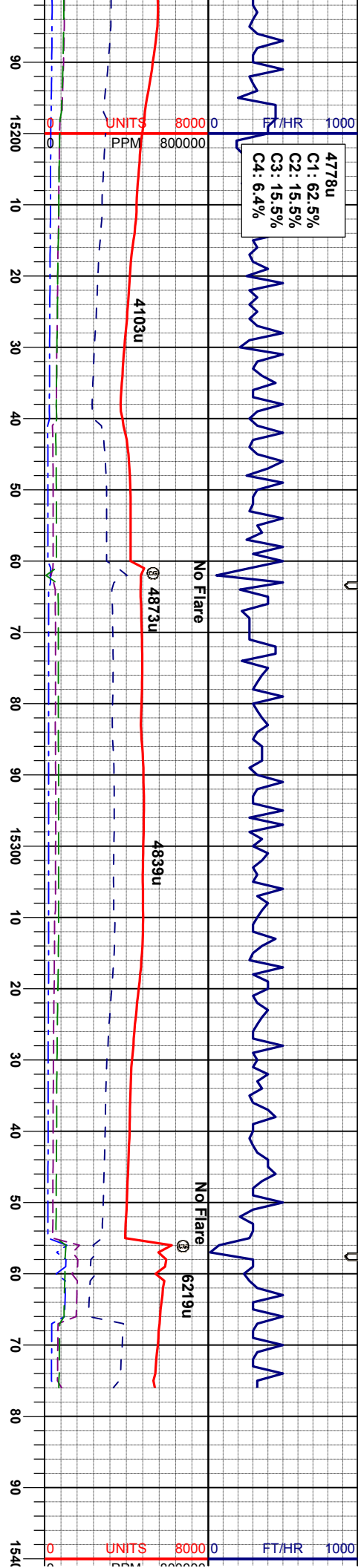
CHK: llyg - tan - wh, tmgy, mod sft - mod
firm, sbply-sbply, rhytex - mot, sbwxy, tr
fos frag, vcalc
MRL: mgy-gyblk, occdkbrn, blkY-sbply,
smefis, sbmot, mod firm, rhytex, slmot, tr
bent, vcalc

CHK: llyg - tan - wh, tmgy, mod sft - m
firm, sbply-sbply, rhytex - mot, sbwxy
fos frag, vcalc
MRL: mgy-gyblk, occdkbrn, blkY-sbply,
smefis, sbmot, mod firm, rhytex, slmot
bent, vcalc









MD 15199'
INC 88.2°
AZM 85.9°
TVD 5941.26'

MD 15312'
INC 87.5°
AZM 84.7°
TVD 5945.50'

PROJECTION
MD 16376'
INC 87.5°
AZM 84.7°
TVD 5948.29'

mod sft - mod firm, sbply-sbply, rhytex - mot, sbwxy, tr bent, vcalc
CHK: llyg - tan - wh, tmgy, mod sft - mod firm, sbply-sbply, rhytex - mot, sbwxy, tr fos frag, vcalc
MRL: mgy-gyblk, occckbrn, bly-sbply, smetfs, sbmot, mod firm, rhytex, slmot, tr bent, vcalc

mod sft - mod firm, sbply-sbply, rhytex - mot, sbwxy, tr bent, vcalc
CHK: llyg - tan - wh, tmgy, mod sft - mod firm, sbply-sbply, rhytex - mot, sbwxy, tr fos frag, vcalc
MRL: mgy-gyblk, occckbrn, bly-sbply, smetfs, sbmot, mod firm, rhytex, slmot, tr bent, vcalc

mod sft - mod firm, sbply-sbply, rhytex - mot, sbwxy, tr bent, vcalc
CHK: llyg - tan - wh, tmgy, mod sft - mod firm, sbply-sbply, rhytex - mot, sbwxy, tr fos frag, vcalc
MRL: mgy-gyblk, occckbrn, bly-sbply, smetfs, sbmot, mod firm, rhytex, slmot, tr bent, vcalc

mod sft - mod firm, sbply-sbply, rhytex - mot, sbwxy, tr bent, vcalc
CHK: llyg - tan - wh, tmgy, mod sft - mod firm, sbply-sbply, rhytex - mot, sbwxy, tr fos frag, vcalc
MRL: mgy-gyblk, occckbrn, bly-sbply, smetfs, sbmot, mod firm, rhytex, slmot, tr bent, vcalc

mod sft - mod firm, sbply-sbply, rhytex - mot, sbwxy, tr bent, vcalc
CHK: llyg - tan - wh, tmgy, mod sft - mod firm, sbply-sbply, rhytex - mot, sbwxy, tr fos frag, vcalc
MRL: mgy-gyblk, occckbrn, bly-sbply, smetfs, sbmot, mod firm, rhytex, slmot, tr bent, vcalc

mod sft - mod firm, sbply-sbply, rhytex - mot, sbwxy, tr bent, vcalc
CHK: llyg - tan - wh, tmgy, mod sft - mod firm, sbply-sbply, rhytex - mot, sbwxy, tr fos frag, vcalc
MRL: mgy-gyblk, occckbrn, bly-sbply, smetfs, sbmot, mod firm, rhytex, slmot, tr bent, vcalc



NOBLE ENERGY INC
TIMBRO LD06-64HN
TD @ 15376' MD
07/18/2013 @ 03:49 AM
THANK YOU
COLUMBINE LOGGING

10 20 30 40

NOBLE ENERGY INC
TIMBRO LD06-64HN
TD @ 15376' MD
07/18/2013 @ 03:49 AM