



Exploration Services LLC

www.pmls.com

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

Well Name: Britt 3406 4-20H
Location: 29-34S-6W Harper County
Licence Number: 15-077-2197101-00 Region: Kansas
Spud Date: 4/28/13 Drilling Completed: 5/9/13
Surface Coordinates: 200' FNL & 1,660' FWL of Section 29, T34S, R6W

Bottom Hole 330' FNL & 1,980' FWL of Section 20, T34S, R6W
Coordinates:
Ground Elevation (ft): 1294' K.B. Elevation (ft): 1312' +18' EST)
Logged Interval (ft): 3250 To: 9458 Total Depth (ft): 9458
Formation: Mississippi Limestone
Type of Drilling Fluid: WATER BASE MUD

Printed by MUD.LOG from WellSight Systems 1-800-447-1534 www.WellSight.com

OPERATOR

Company: Sandridge Energy, Inc.
Address: 123 Robert S. Kerr Avenue
Oklahoma City, OK 73102
405-429-5720

GEOLOGIST

Name: Tammy Alcorn
Company: Sandridge Energy, Inc.
Address: 123 Robert S. Kerr Avenue
Oklahoma City, OK 73102
405-429-5720

MUD LOG

PML Exploration Services LLC
5601 NW 72nd St., Suite 354
Oklahoma City, OK 73132
UNIT # 34
MUDLOGGERS: Chris White / Brad Baram

CONTRACTOR

Unit Rig 310

ROCK TYPES

Anhy
Bent
Brec
Cht

Clyst
Coal
Congl
Dol

Gyp
Igne
Lmst
Meta

Mrlst
Salt
Shale
Shcol

Shgy
Sltst
Ss
Till

ACCESSORIES

MINERAL

Anhy
Arggrn
Arg
Bent
Bit
Brecfrag
Calc
Carb
Chtdk
Chtlt
Dol
Feldspar
Ferrpel
Ferr
Glau

Gyp
Hvymin
Kaol
Marl
Minxl
Nodule
Phos
Pyr
Salt
Sandy
Silt
Sil
Sulphur
Tuff

FOSSIL

Algae
Amph
Belm
Bioclst
Brach
Bryozoa
Cephal
Coral
Crin
Echin
Fish
Foram
Fossil
Gastro
Oolite

Ostra
Pelec
Pellet
Pisolite
Plant
Strom

STRINGER

Anhy
Arg
Bent
Coal
Dol
Gyp
Ls
Mrst

Sltstrg
Ssstrg

TEXTURE

Boundst
Chalky
Cryxln
Earthy
Finexln
Grainst
Lithogr
Microxln
Mudst
Packst
Wackest

OTHER SYMBOLS

POROSITY TYPE

Earthy
Fenest
Fracture
Inter
Moldic
Organic
Pinpoint

Vuggy

SORTING

Well
Moderate
Poor

ROUNDING

Rounded
Subrnd
Subang
Angular

Spotted
Ques
Dead

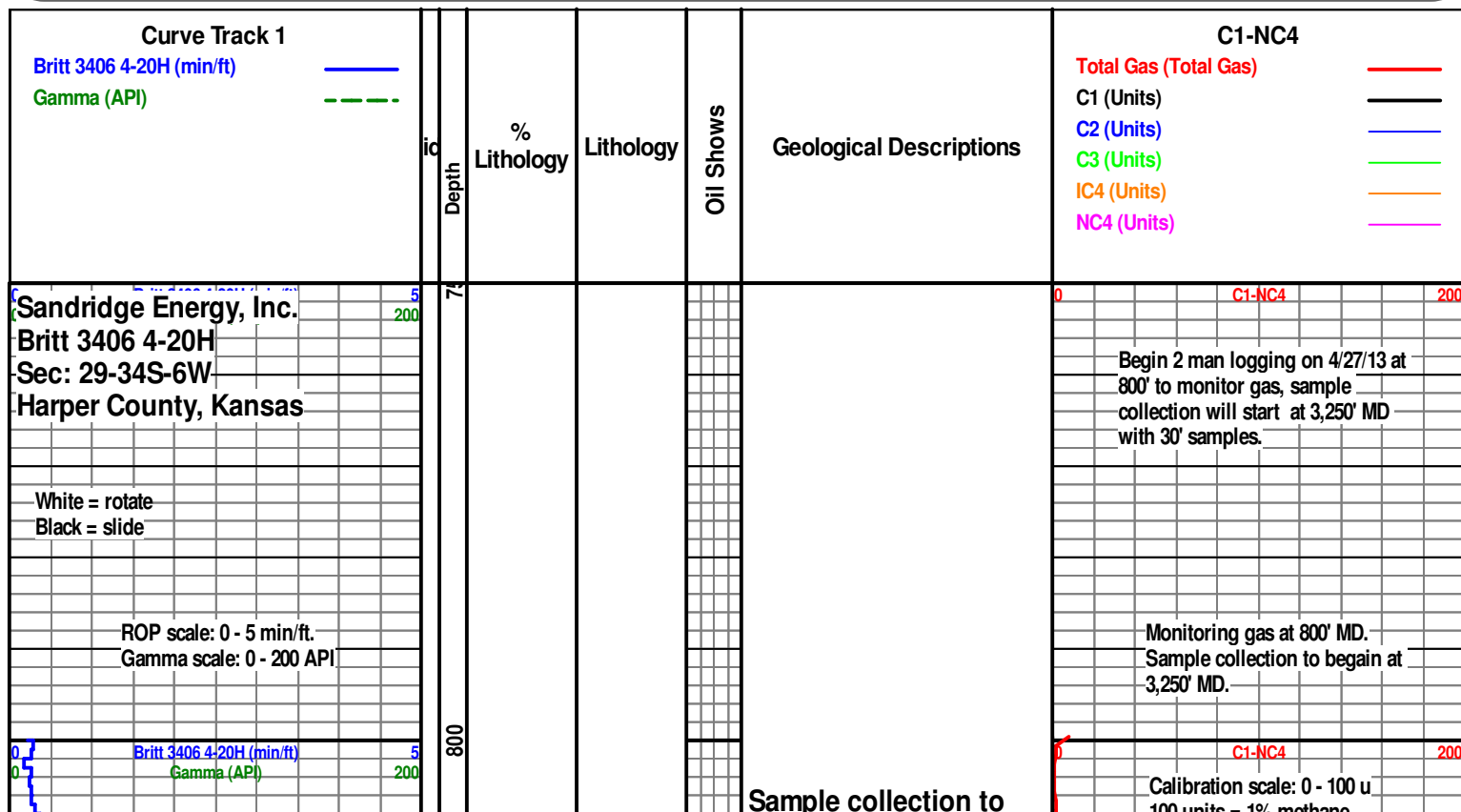
INTERVALS

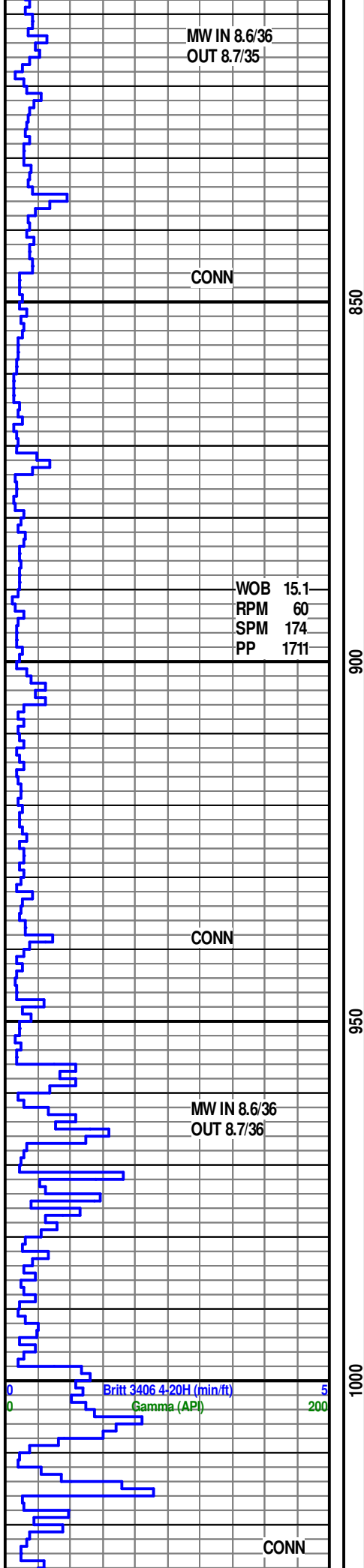
Core
Dst
Slide

EVENTS

Rft
Sidewall

OIL SHOWS
Even



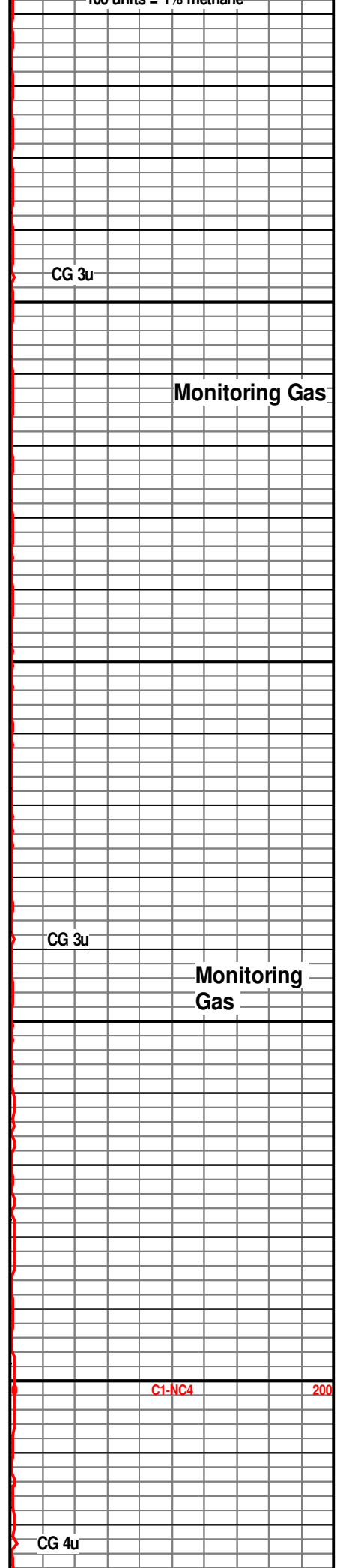


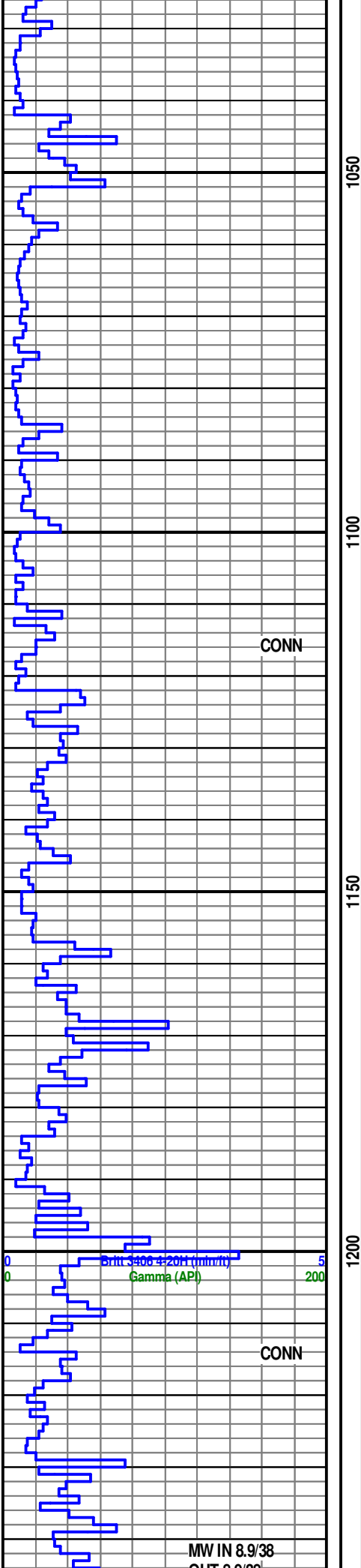
begin at 3,250' MD

Sample collection to begin at 3,250' MD

Sample collection to begin at 3,250' MD

SD: 1000.00
Inc: .04
Azi: 17.58
TVD: 999.95
VS: 7.71



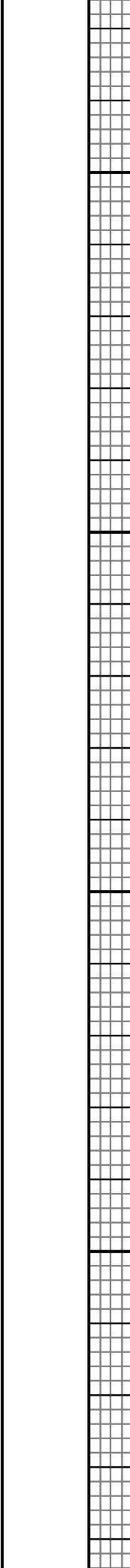


1050

1100

1150

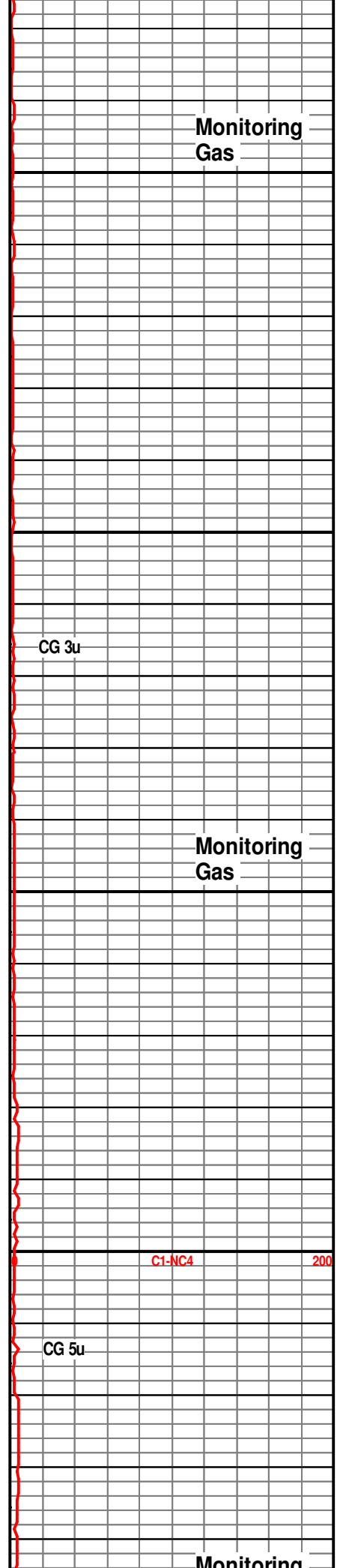
1200



Sample collection to begin at 3,250' MD

Sample collection to begin at 3,250' MD

SP: 1245 m



Monitoring Gas

CG 3u

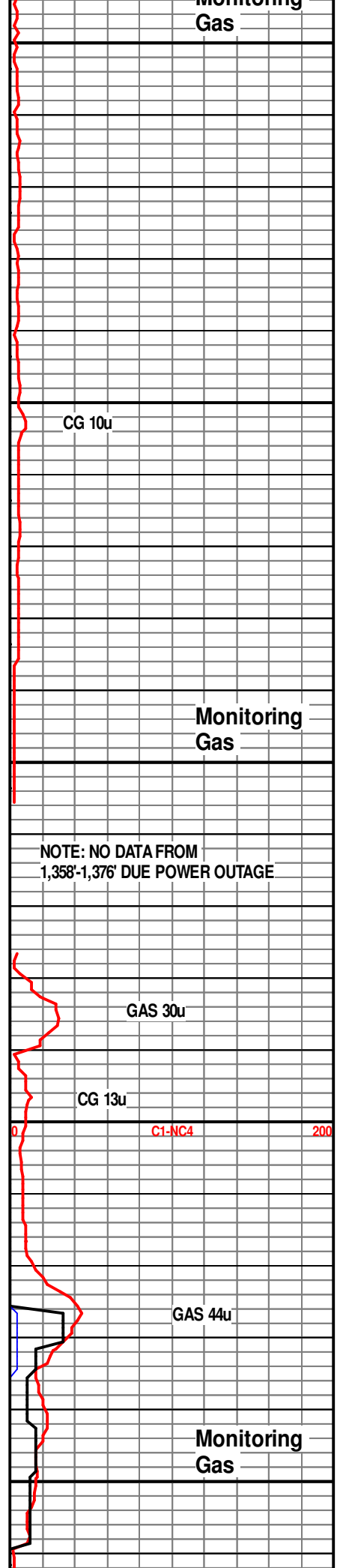
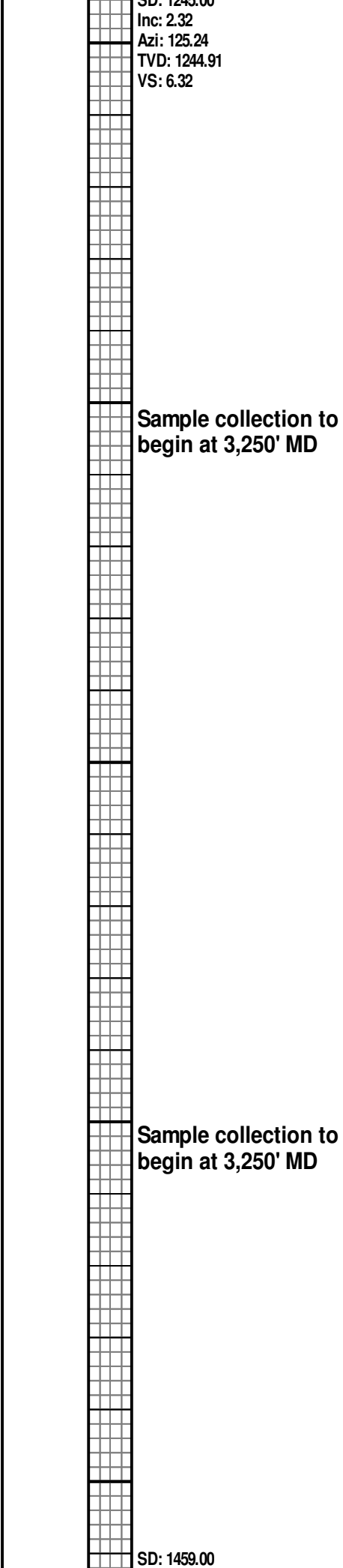
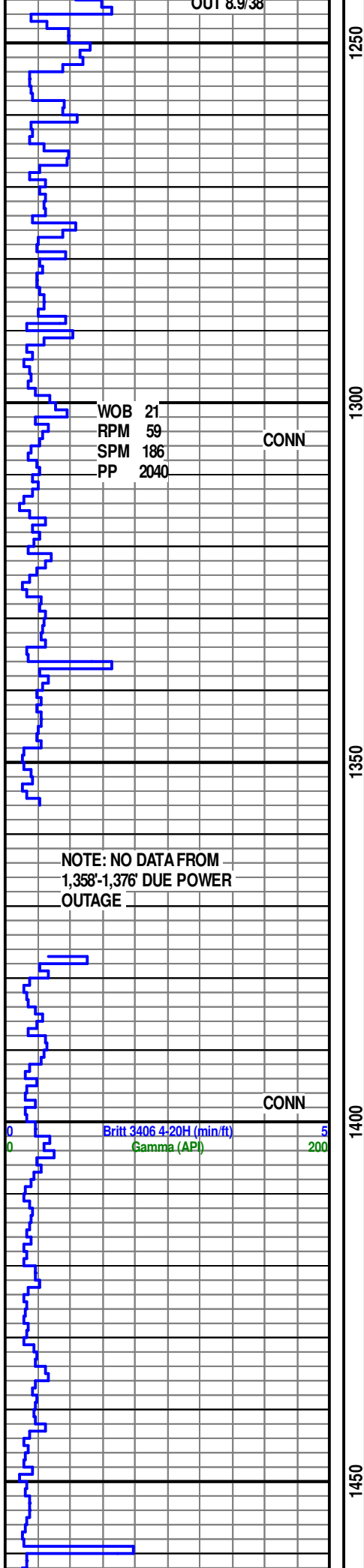
Monitoring Gas

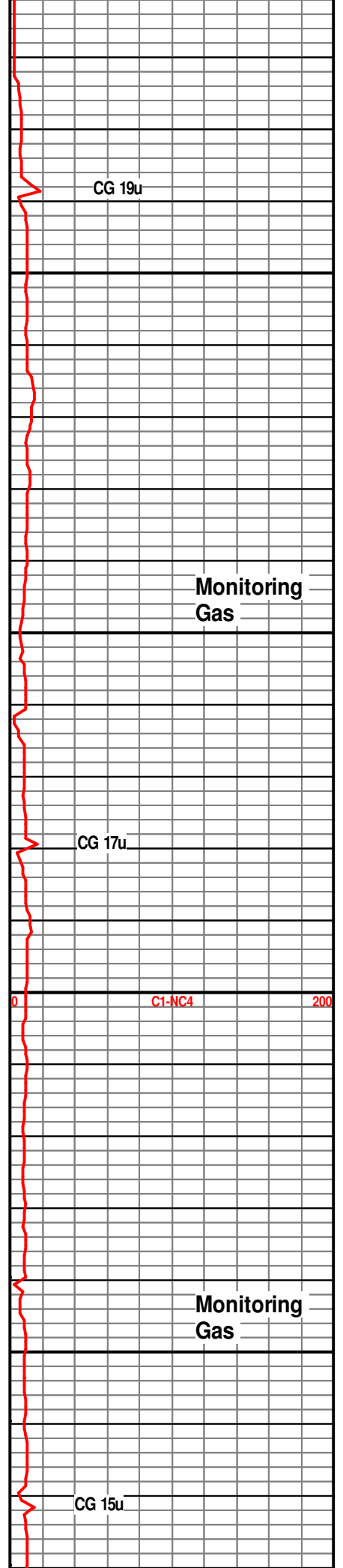
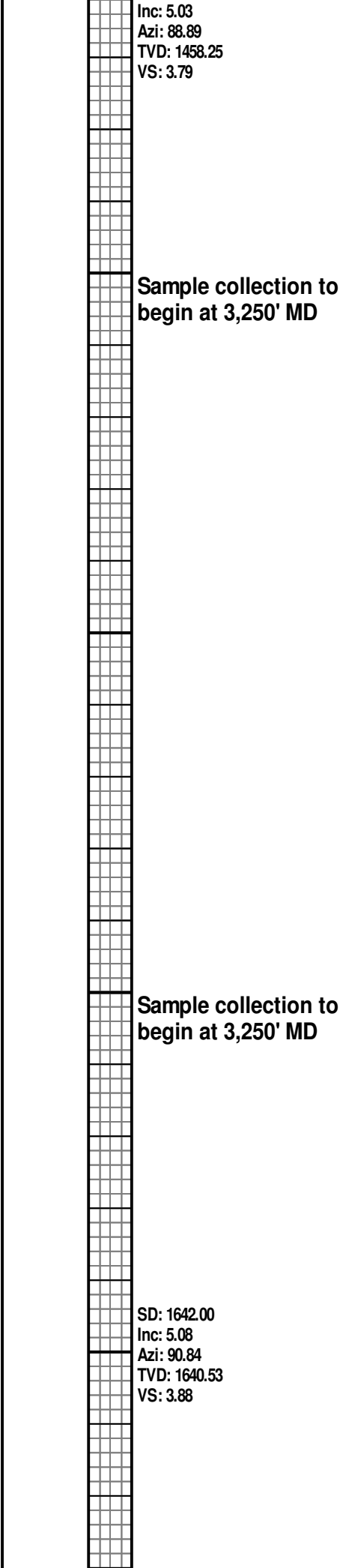
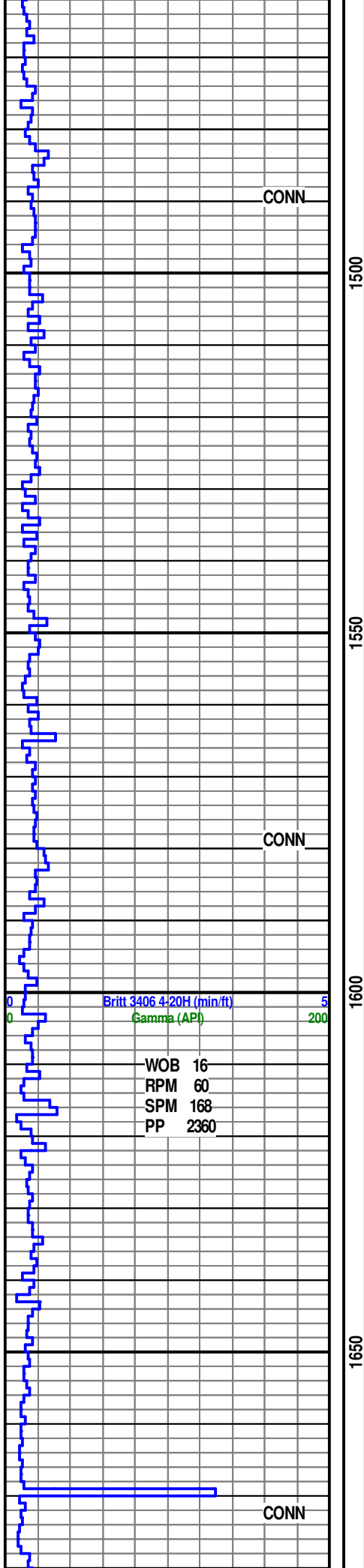
C1-NC4

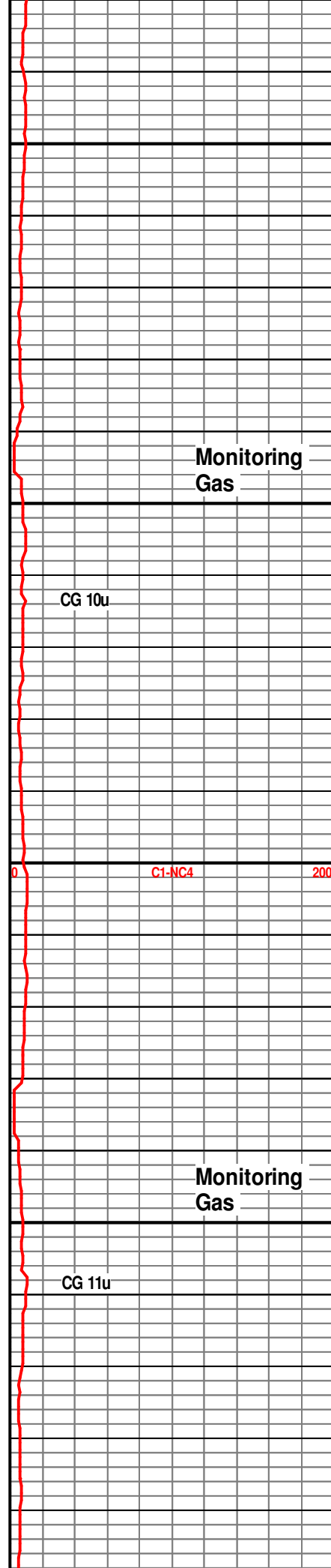
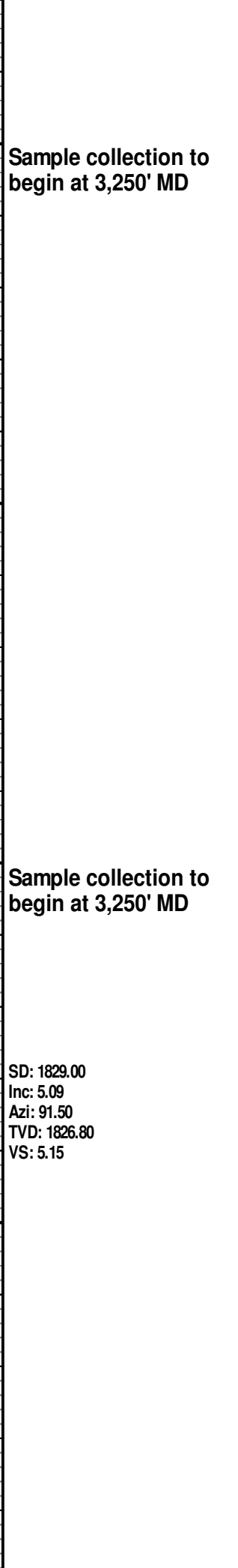
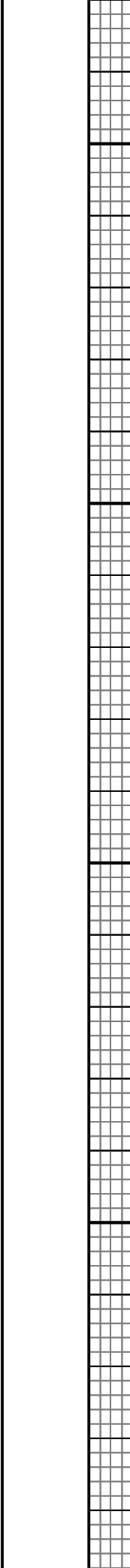
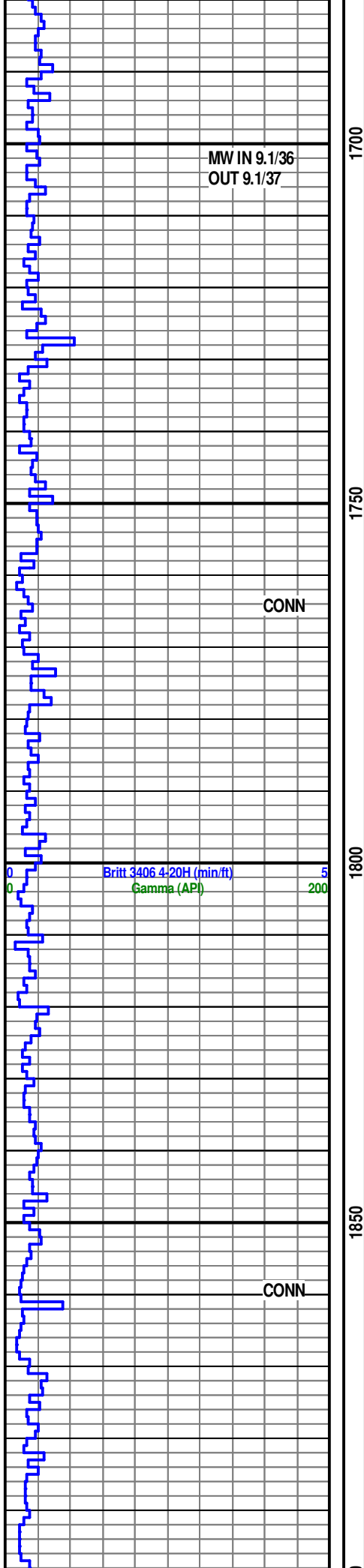
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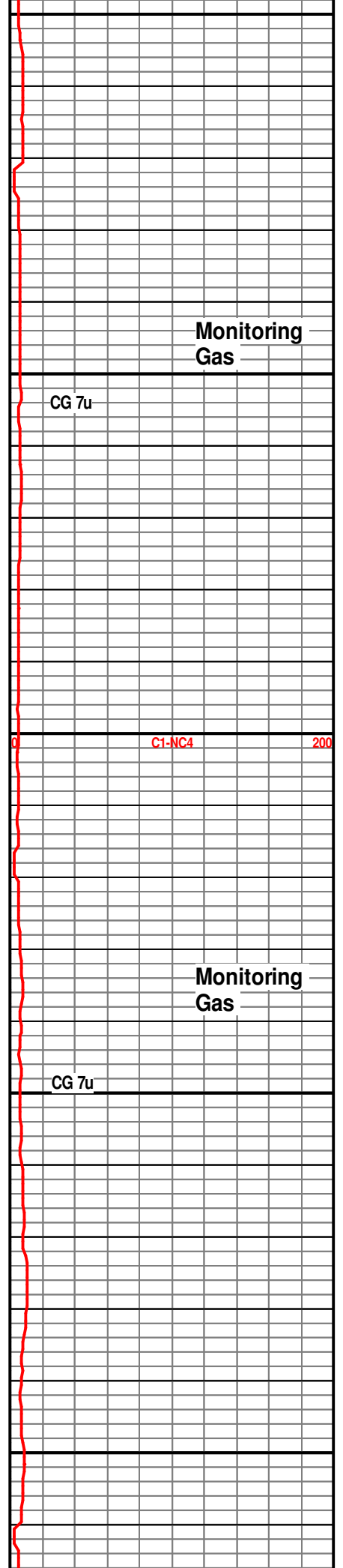
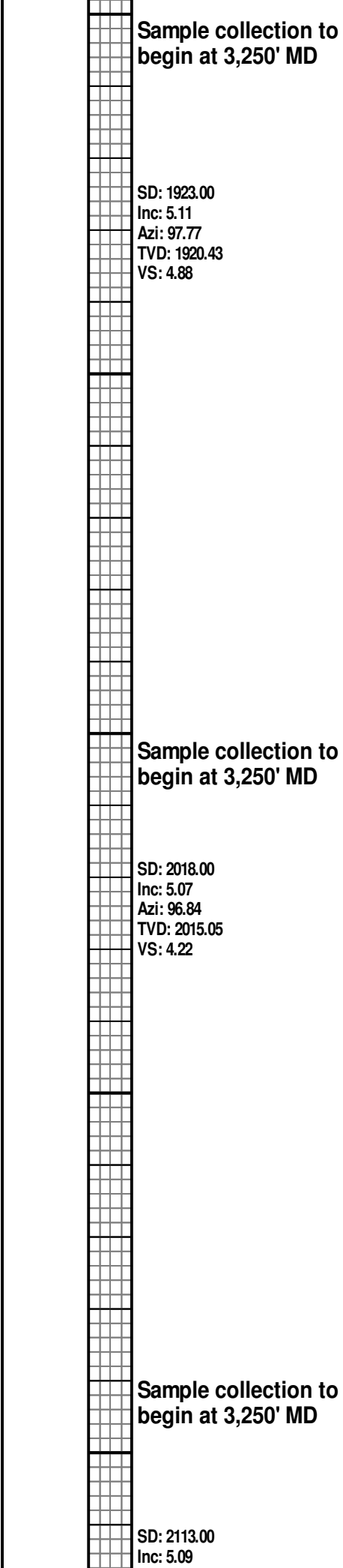
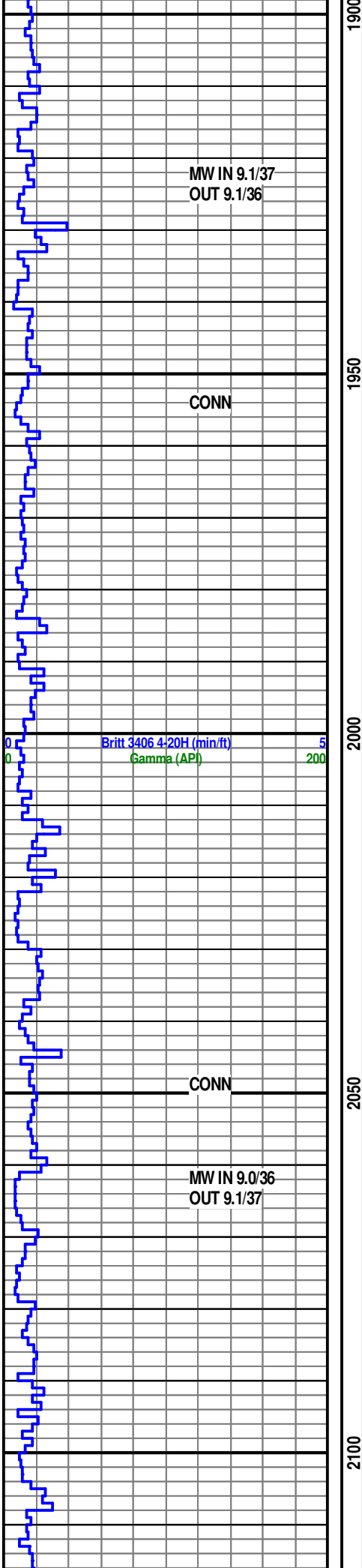
CG 5u

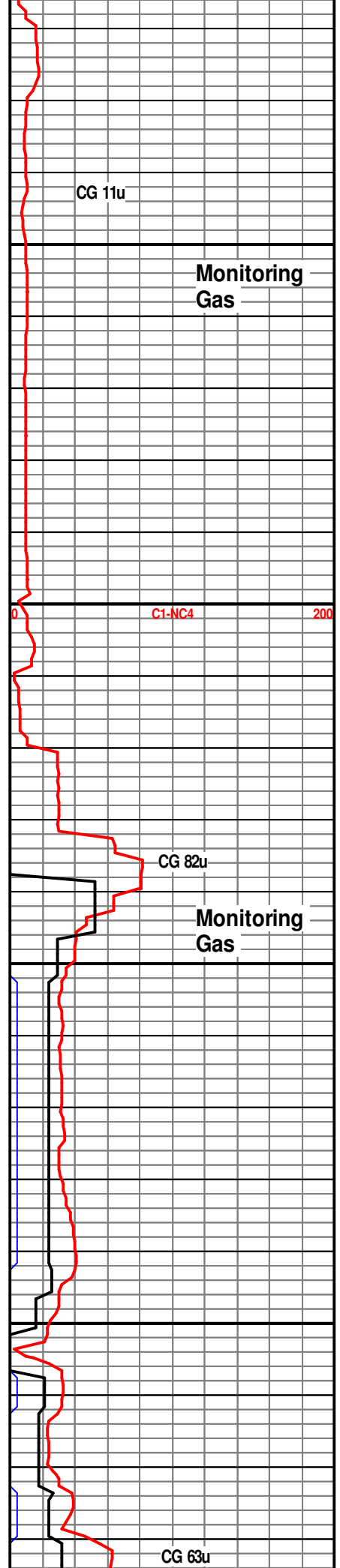
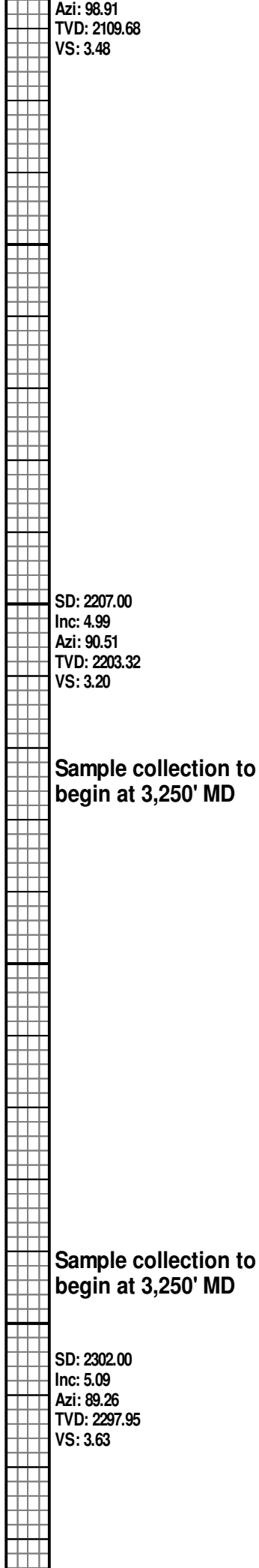
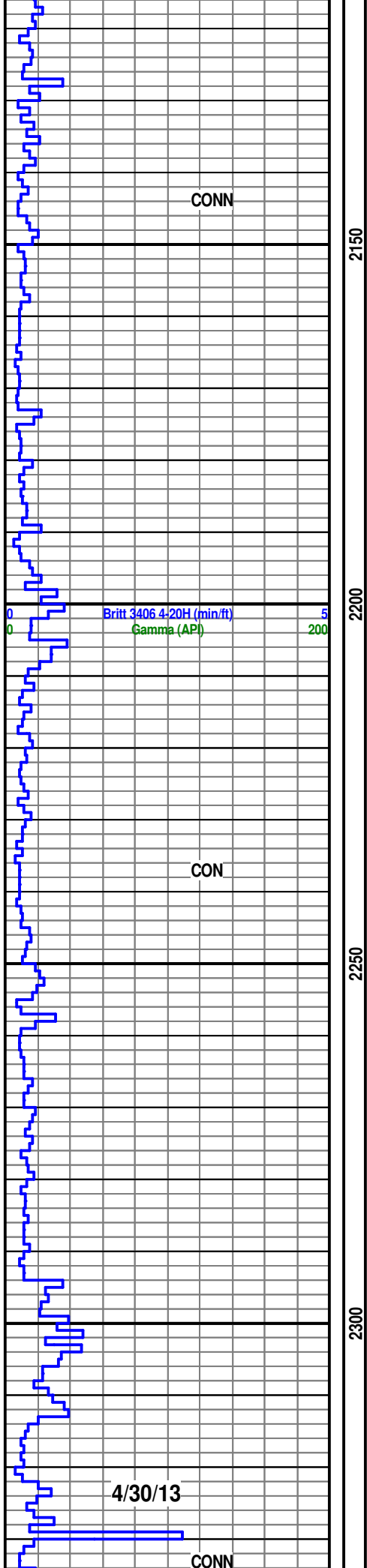
Monitoring Gas

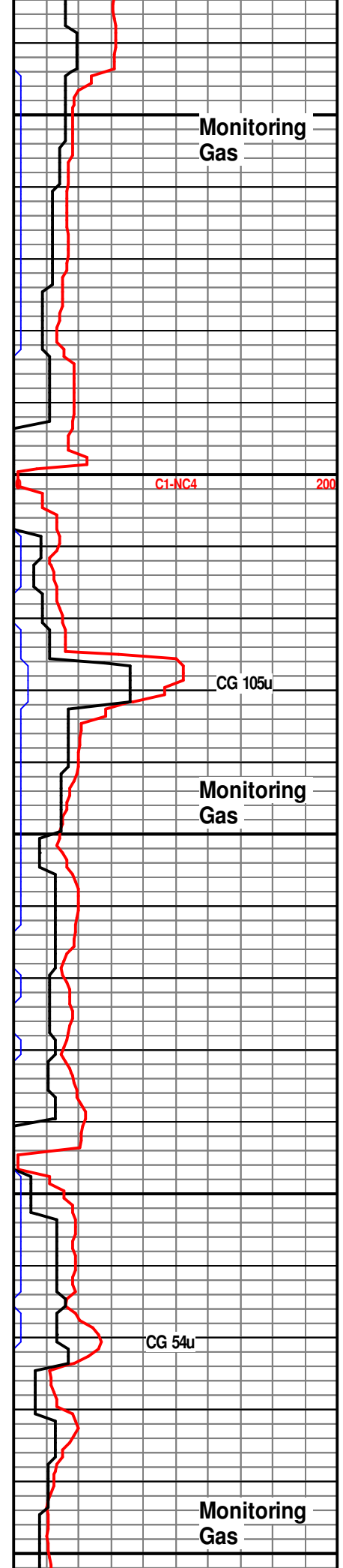
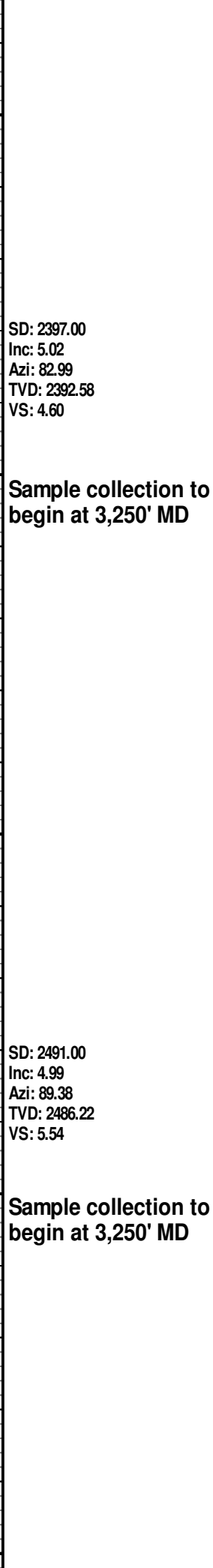
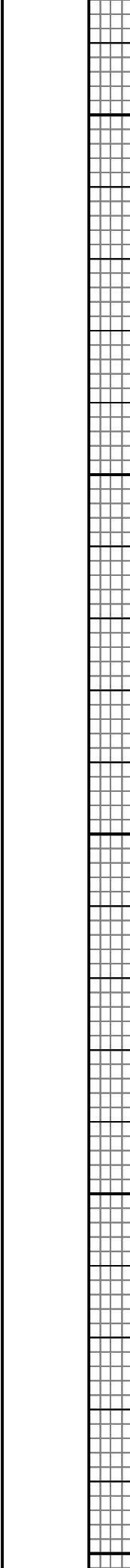
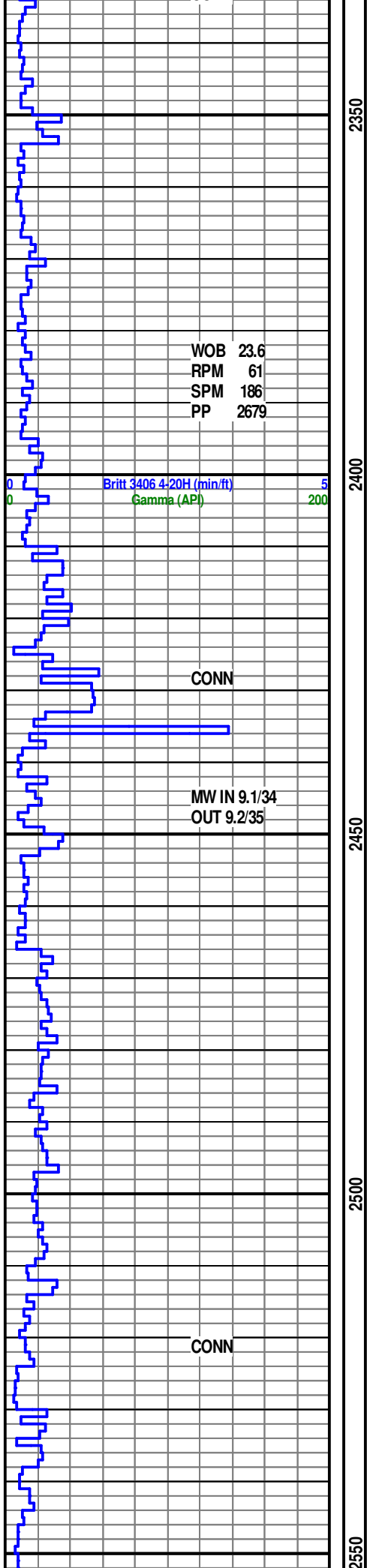


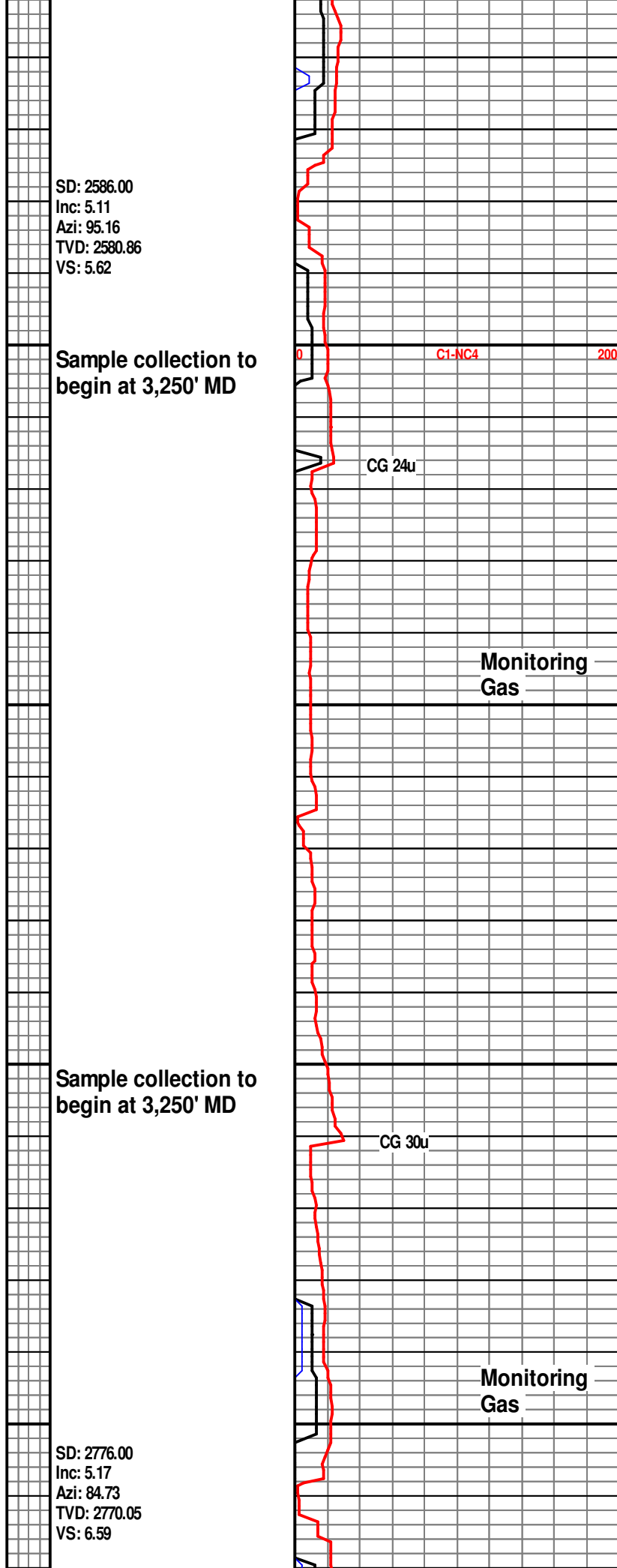
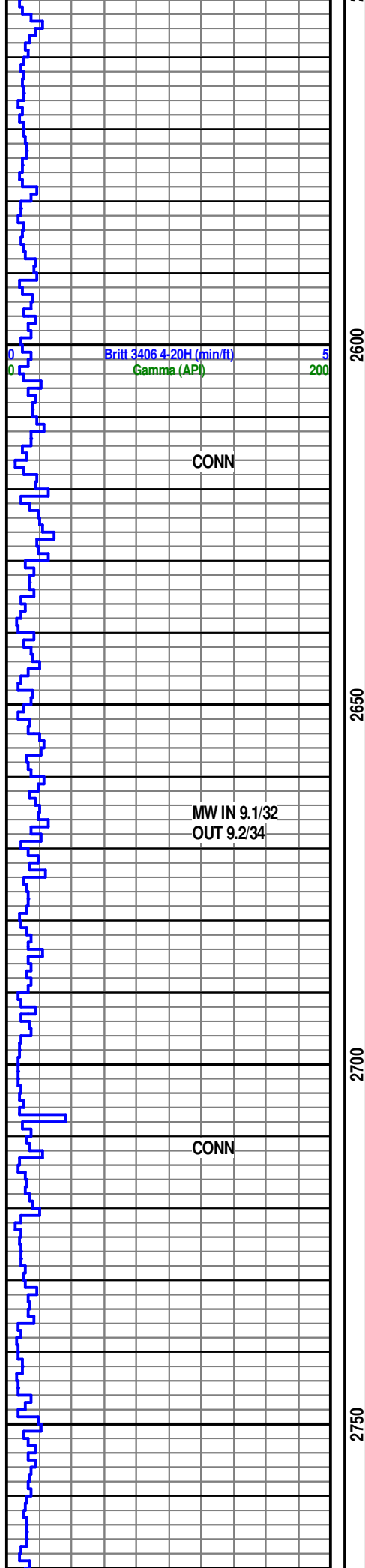


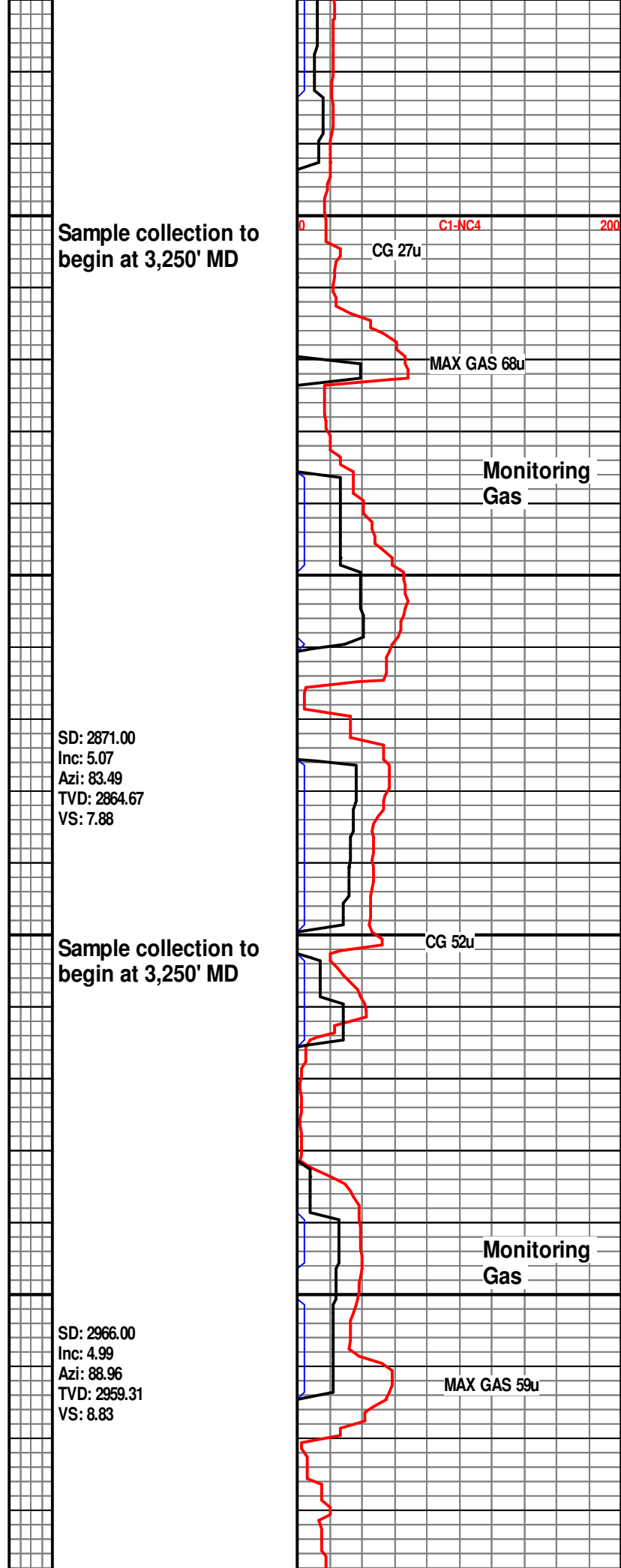
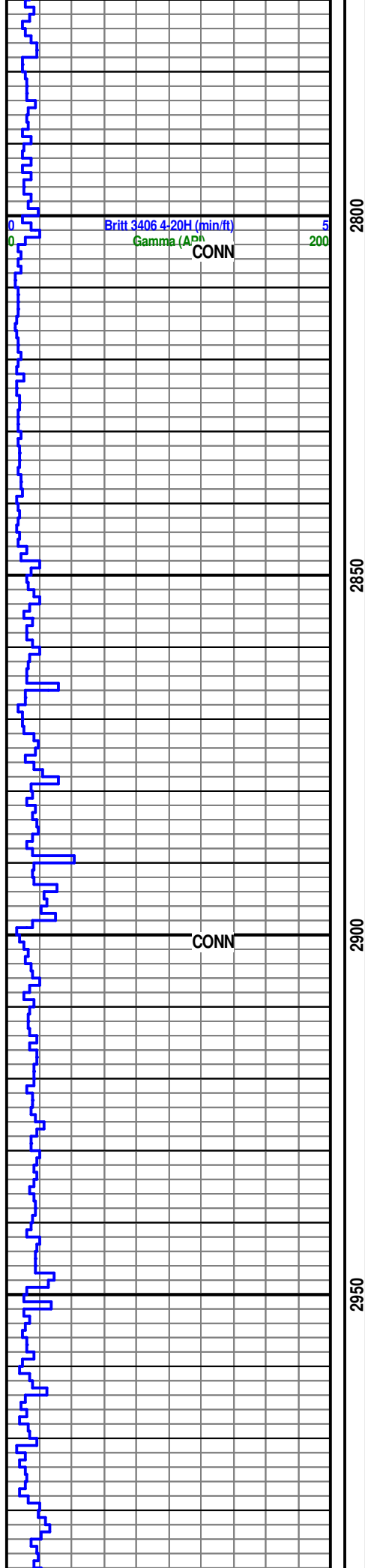










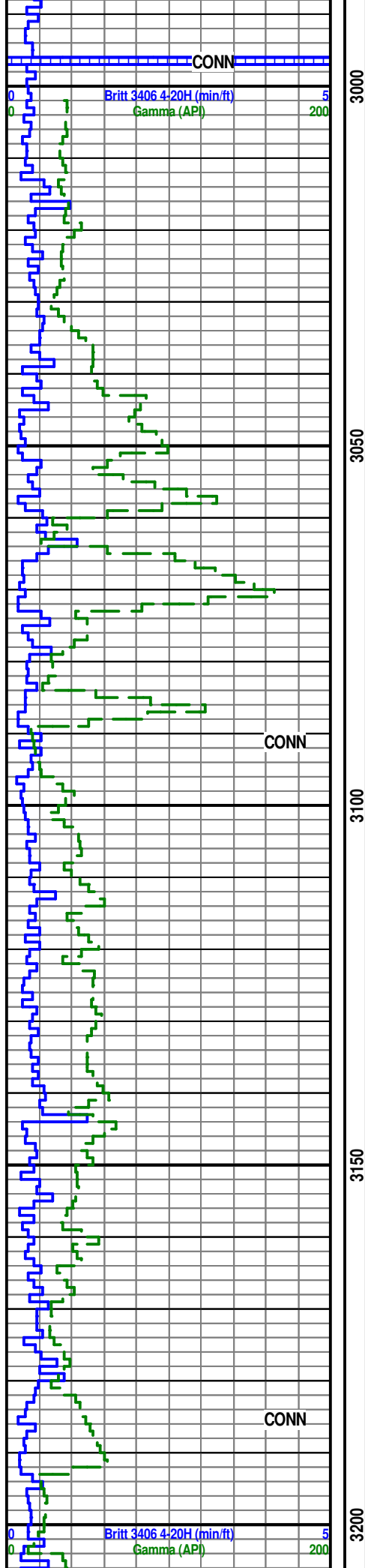


Sample collection to begin at 3,250' MD

SD: 2871.00
Inc: 5.07
Azi: 83.49
TVD: 2864.67
VS: 7.88

Sample collection to begin at 3,250' MD

SD: 2966.00
Inc: 4.99
Azi: 88.96
TVD: 2959.31
VS: 8.83

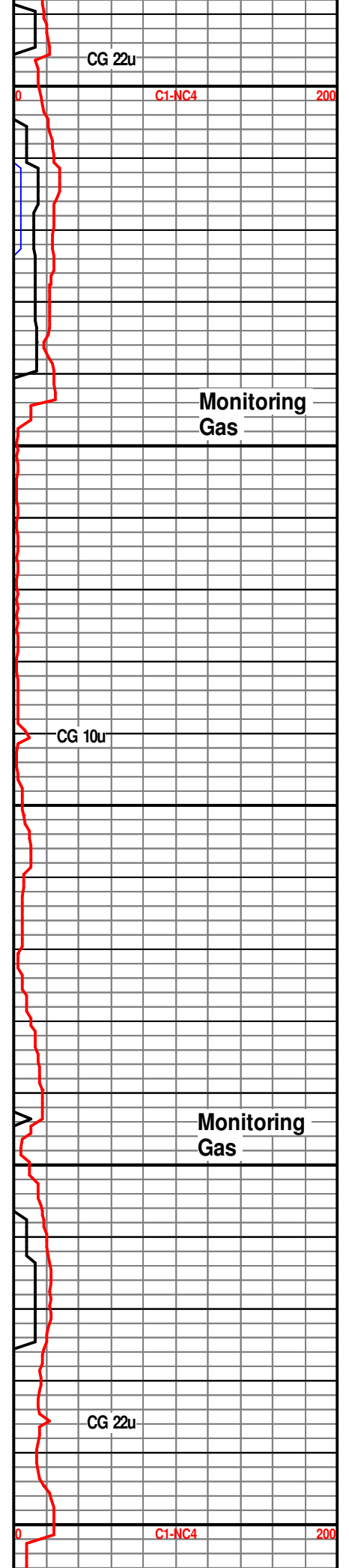


Sample collection to begin at 3,250' MD

Sample collection to begin at 3,250' MD

SD: 3156.00
Inc: 6.04
Azi: 98.36
TVD: 3148.38
VS: 8.71

Sample collection to begin at 3,250' MD



WOB 23
RPM 62
SPM 167
PP 2930

CONN

CONN

Britt 3406 4-20H (mm/ft)
Gamma (API)

5
200

3250

3300

3350

3400

Sample collection begin at 3,250' MD - TD

LS: 30% Gry-ltGry, sft-m frm, vf
xln, dull, dol; SH: 50% Blk-dk Gry,
sft-frm, sb plty-plty, intlam, dull;
SS: 20% mlky- Wht, m consol, f-m,
ang, srt; no flor, no cut, no rng

SD: 3251.00
Inc: 5.75
Azi: 89.97
TVD: 3242.88
VS: 8.46

LS: 20% Gry-ltGry, sft-m frm, vf
xln, dull, dol; SH: 60% Blk-dk Gry,
sft-frm, sb plty-plty, intlam, dull;
SS: 20% mlky- Wht, m consol, f-m,
ang, srt; no flor, no cut, no rng

LS: 20% Gry-ltGry, sft-m frm, vf
xln, dull, dol; SH: 60% Blk-dk Gry,
sft-frm, sb plty-plty, intlam, dull;
SS: 20% mlky- Wht, m consol, f-m,
ang, srt; no flor, no cut, no rng

Base Heebner @ 3,345' MD, 3,336' TVD

LS: 40% Gry-ltGry, sft-m frm, vf
xln, dull, dol; SH: 50% Blk-dk Gry,
sft-frm, sb plty-plty, intlam, dull;
SS: 10% mlky- Wht, m consol, f-m,
ang, srt; lt YI flor, no cut, no rng

LS: 60% Gry-ltGry, sft-m frm, vf
xln, dull, dol; SH: 40% Blk-dk Gry,
sft-frm, sb plty-plty, intlam, dull; it
YI flor, no ring, no cut

LS: 60% Gry-ltGry, sft-m frm, vf
xln, dull, dol; SH: 40% Blk-dk Gry,
sft-frm, sb plty-plty, intlam, dull; it
YI flor, no ring, no cut

Monitoring
Gas

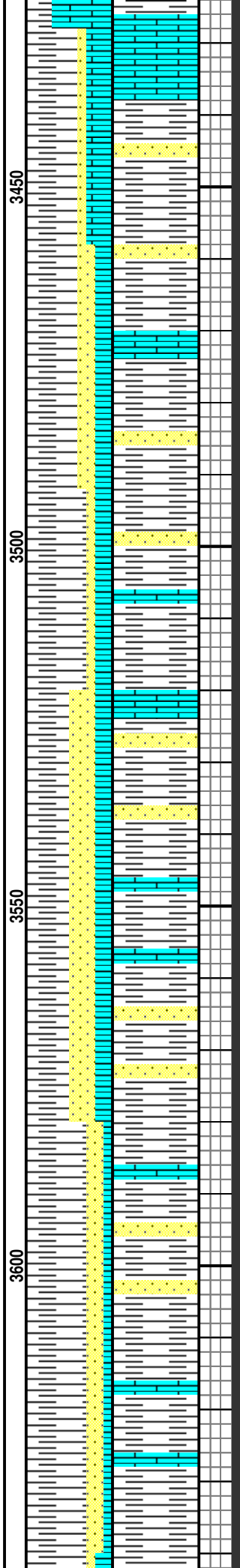
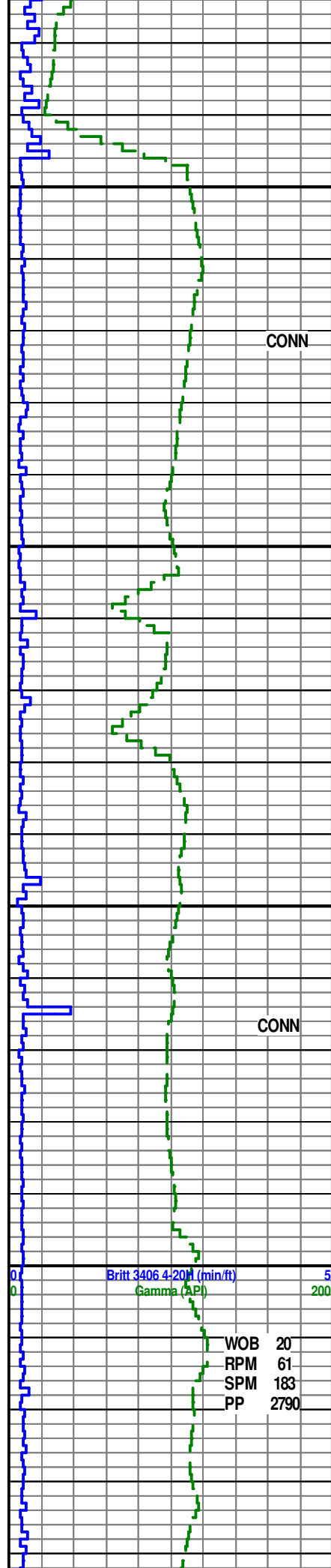
CG 63u

MAX GAS 193u

CG 84u

C1-NC4

200



LS: 30% Gry-ltGry, sft-m frm, vf xln, dull, dol; SH: 60% Lt-Gry, sft-frm, sb plty-plty, intlam, dull; SS: 10% mlky- Wht, m consol, f-m, ang, srt; lt YI flor, no cut, no rng

SD: 3441.00
Inc: 5.68
Azi: 80.72
TVD: 3431.95
VS: 8.46

LS: 20% Gry-ltGry, sft-m frm, vf xln, dull, dol; SH: 60% Lt-Gry, sft-frm, sb plty-plty, intlam, dull; SS: 20% mlky- Wht, m consol, f-m, ang, srt; lt YI flor, no cut, no rng

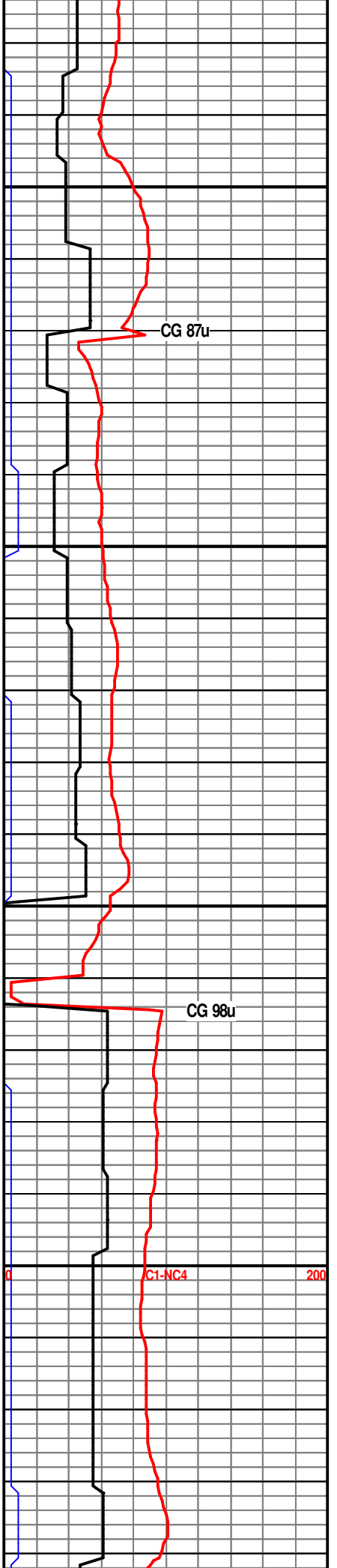
LS: 20% Gry-ltGry, sft-m frm, vf xln, dull, dol; SH: 70% Lt-Gry, sft-frm, sb plty-plty, intlam, dull; SS: 10% mlky- Wht, m consol, f-m, ang, srt; lt YI flor, no cut, no rng

LS: 20% Gry-ltGry, sft-m frm, vf xln, dull, dol; SH: 50% Lt-Gry, sft-frm, sb plty-plty, intlam, dull; SS: 30% mlky- Wht, m consol, f-m, ang, srt; lt YI flor, no cut, no rng

LS: 20% Gry-ltGry, sft-m frm, vf xln, dull, dol; SH: 50% Lt-Gry, sft-frm, sb plty-plty, intlam, dull; SS: 30% mlky- Wht, m consol, f-m, ang, srt; lt YI flor, no cut, no rng

LS: 10% Gry-ltGry, sft-m frm, vf xln, dull, dol; SH: 70% Lt-dk Gry, sft-frm, sb plty-plty, intlam, dull; SS: 20% mlky- Wht, lt Gry, m consol, f-m, ang, srt; lt YI flor, no cut, no rng

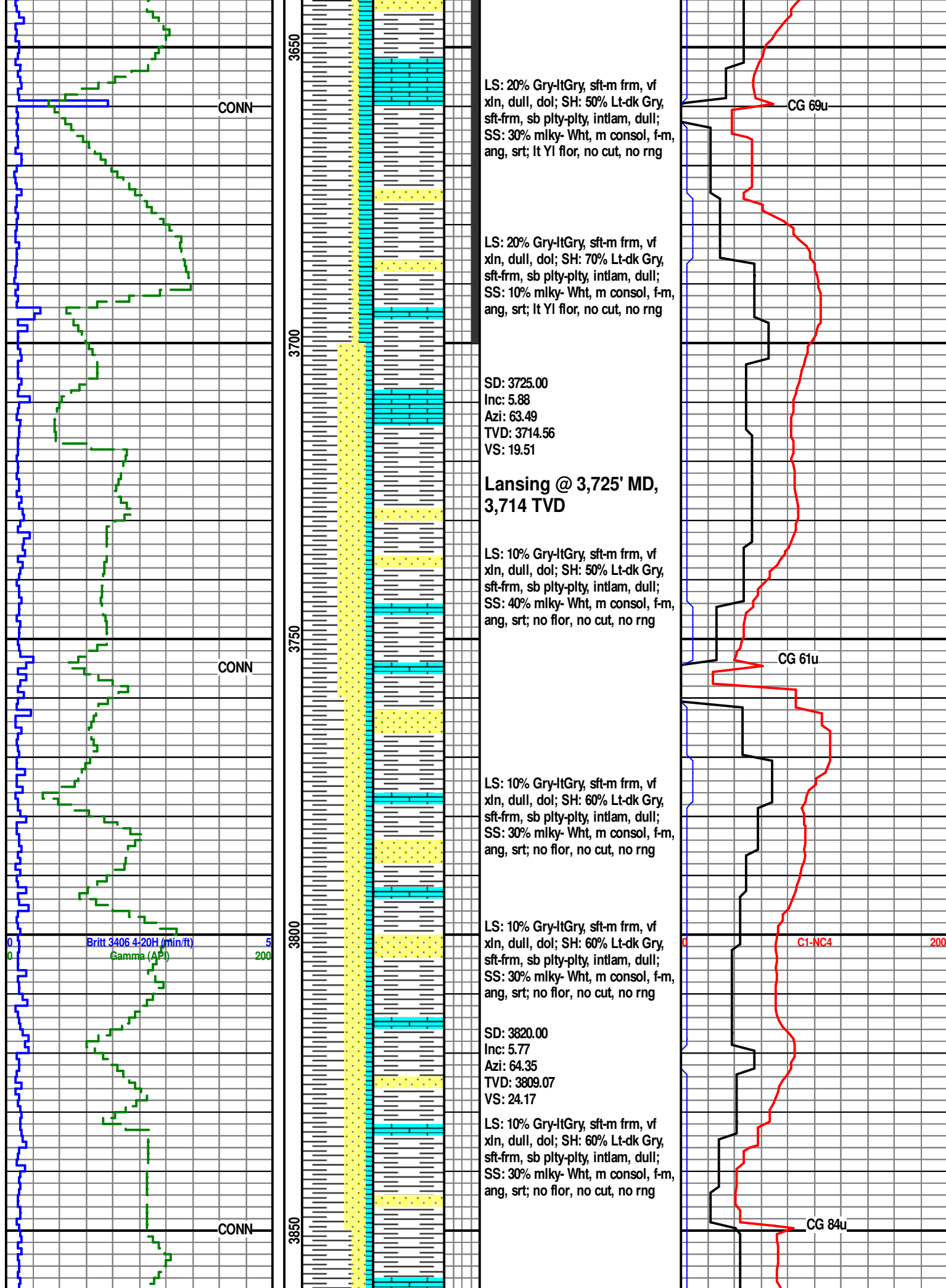
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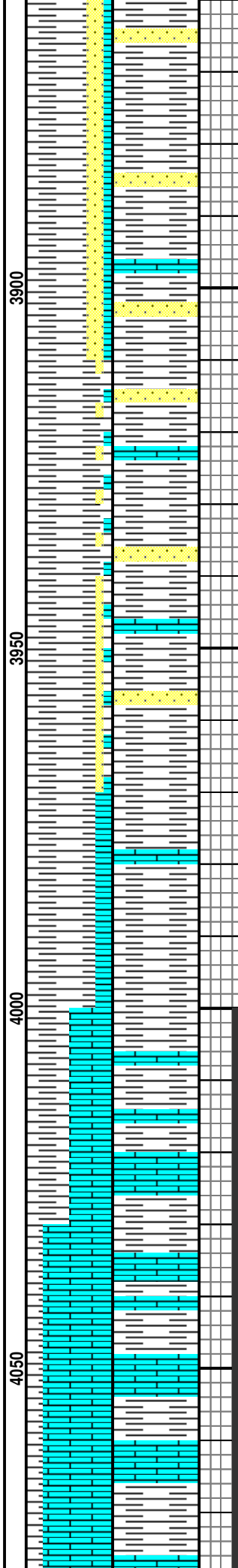
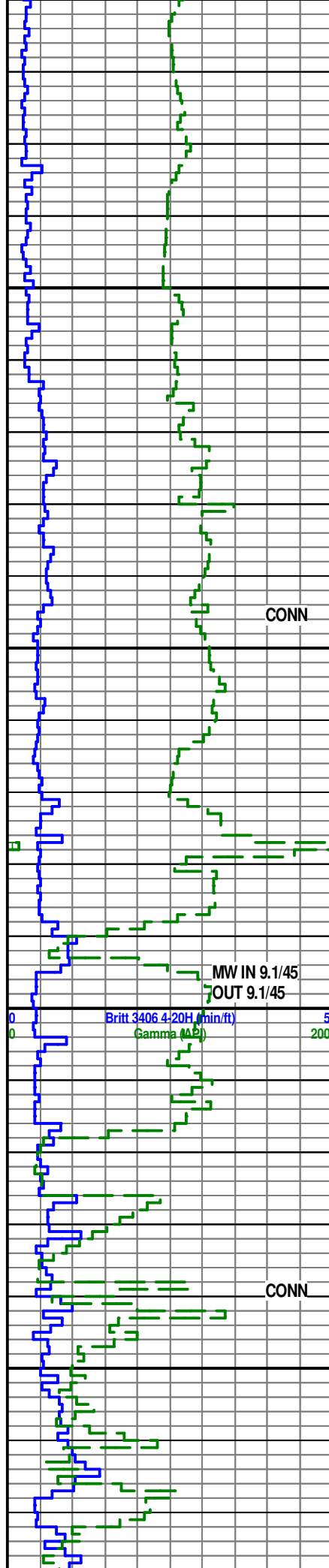


Britt 3406 4-20M (min/ft)
Gamma (API)

WOB 20
RPM 61
SPM 183
PP 2790

C1-NC4 200





LS: 10% Gry-ltGry, sft-m frm, vf
xln, dull, dol; SH: 70% Lt-dk Gry,
sft-frm, sb plty-plty, intlam, dull;
SS: 20% milky- Wht, m consol, f-m,
ang, srt; no flor, no cut, no rng

LS: 10% Gry-ltGry, sft-m frm, vf
xln, dull, dol; SH: 70% Lt-dk Gry,
sft-frm, sb plty-plty, intlam, dull;
SS: 20% milky- Wht, m consol, f-m,
ang, srt; no flor, no cut, no rng

KOP FOR CURVE @ 3,914'

LS: TR% Gry-ltGry, sft-m frm, vf
xln, dull, dol; SH: 100% Lt-dk Gry,
sft-frm, sb plty-plty, intlam, dull;
SS: TR% milky- Wht, m consol,
f-m, ang, srt; no flor, no cut, no
rng

SD: 3946.00
Inc: 7.38
Azi: 49.79
TVD: 3934.36
VS: 31.36

LS: TR% Gry-ltGry, sft-m frm, vf
xln, dull, dol; SH: 100% Lt-dk Gry,
sft-frm, sb plty-plty, intlam, dull;
SS: 10% milky- Wht, m consol, f-m,
ang, srt; no flor, no cut, no rng

SD: 3978.00
Inc: 9.10
Azi: 42.36
TVD: 3966.03
VS: 34.72

LS: 20% Wht-ltGry, sft-m frm, vf
xln, dull, dol; SH: 80% Lt-dk Gry,
sft-frm, sb plty-plty, intlam, dull;
no fluor, no cut, no rng

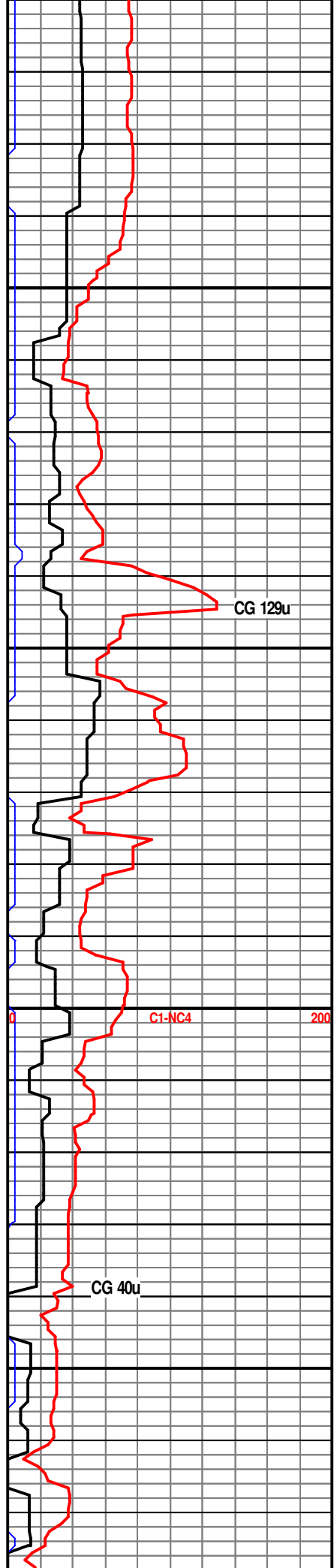
Cottage Grove @ 4,019' MD 4,006' TVD

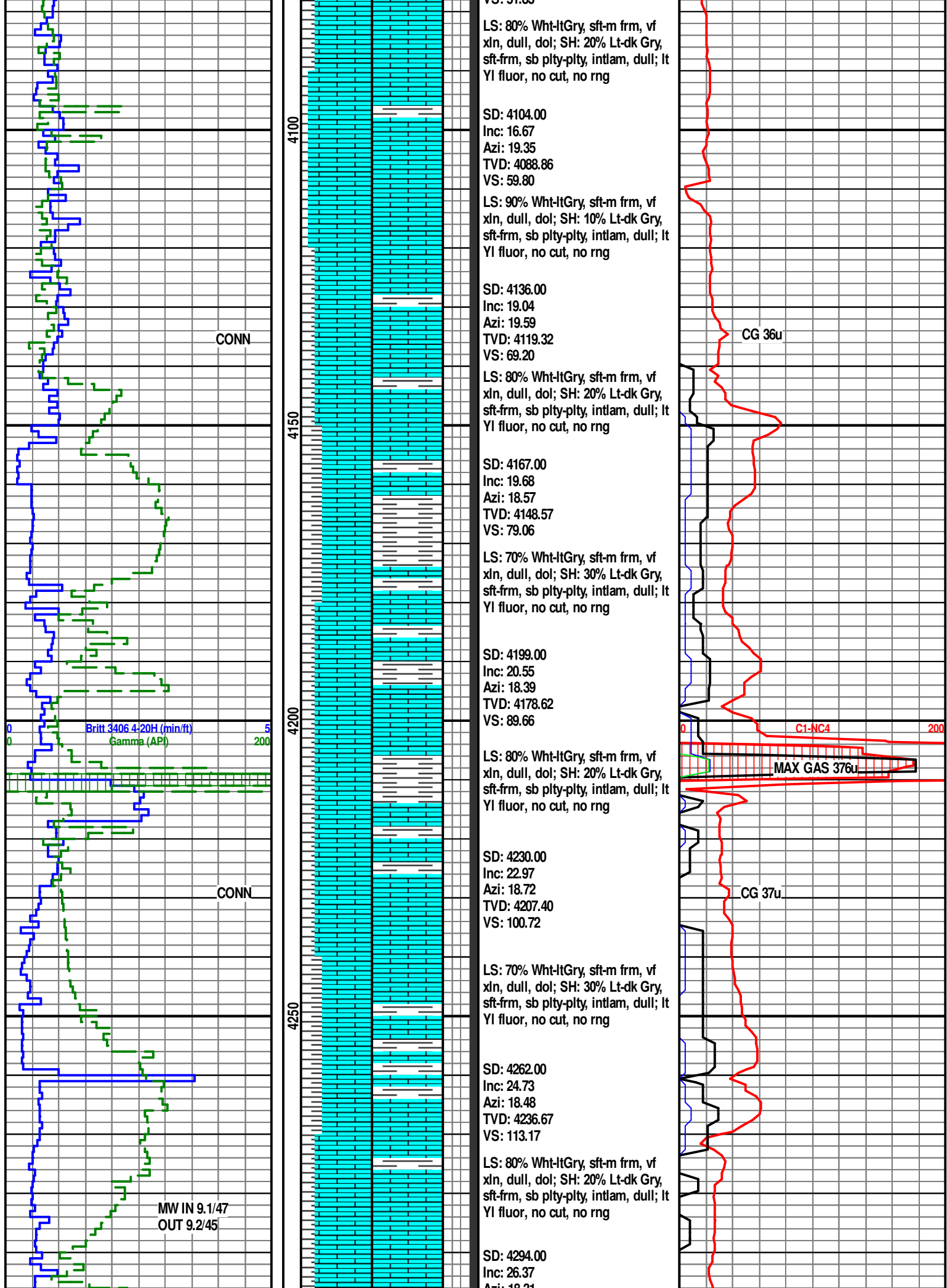
LS: 50% Wht-ltGry, sft-m frm, vf
xln, dull, dol; SH: 50% Lt-dk Gry,
sft-frm, sb plty-plty, intlam, dull; lt
Yl fluor, no cut, no rng

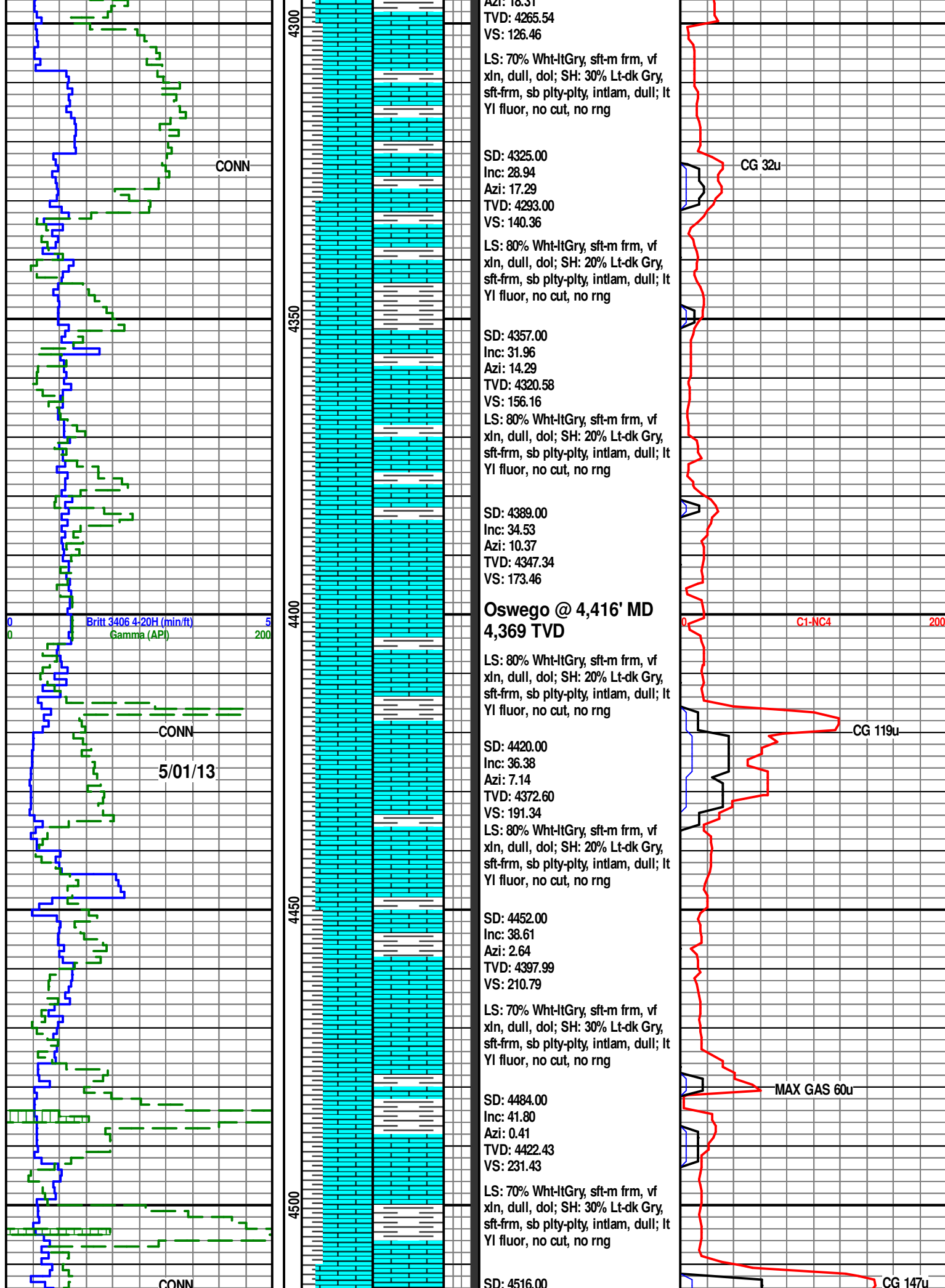
SD: 4041.00
Inc: 12.67
Azi: 25.95
TVD: 4027.90
VS: 44.77

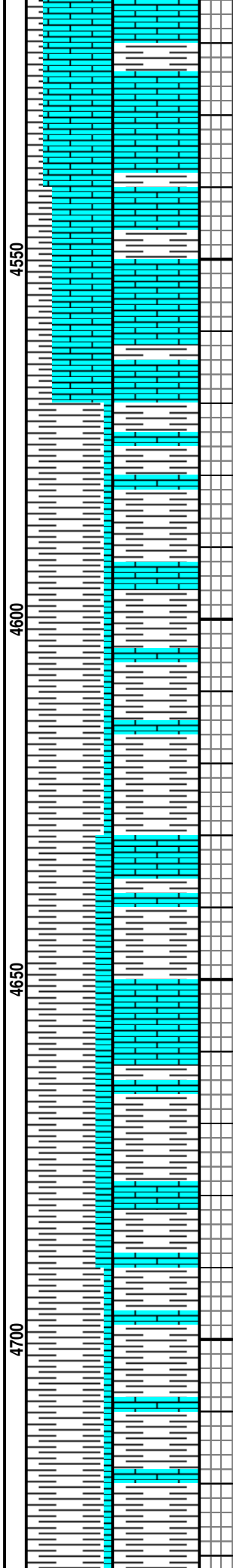
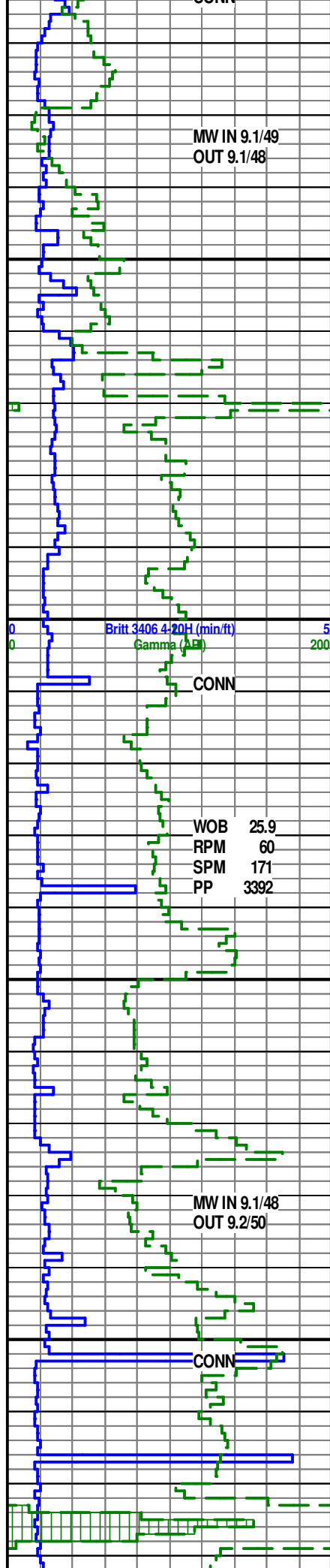
LS: 80% Wht-ltGry, sft-m frm, vf
xln, dull, dol; SH: 20% Lt-dk Gry,
sft-frm, sb plty-plty, intlam, dull; lt
Yl fluor, no cut, no rng

SD: 4073.00
Inc: 14.51
Azi: 20.10
TVD: 4059.01
VS: 51.83









Inc: 44.50
Azi: 358.75
TVD: 4445.77
VS: 253.28
LS: 80% Wht-ltGry, sft-m frm, vf xln, dull, dol; SH: 20% Lt-dk Gry, sft-frm, sb plty-plty, intlam, dull; lt Yl fluor, no cut, no rng

SD: 4547.00
Inc: 47.02
Azi: 357.96
TVD: 4467.40
VS: 275.42
LS: 70% Wht-ltGry, sft-m frm, vf xln, dull, dol; SH: 30% Lt-dk Gry, sft-frm, sb plty-plty, intlam, dull; lt Yl fluor, no cut, no rng

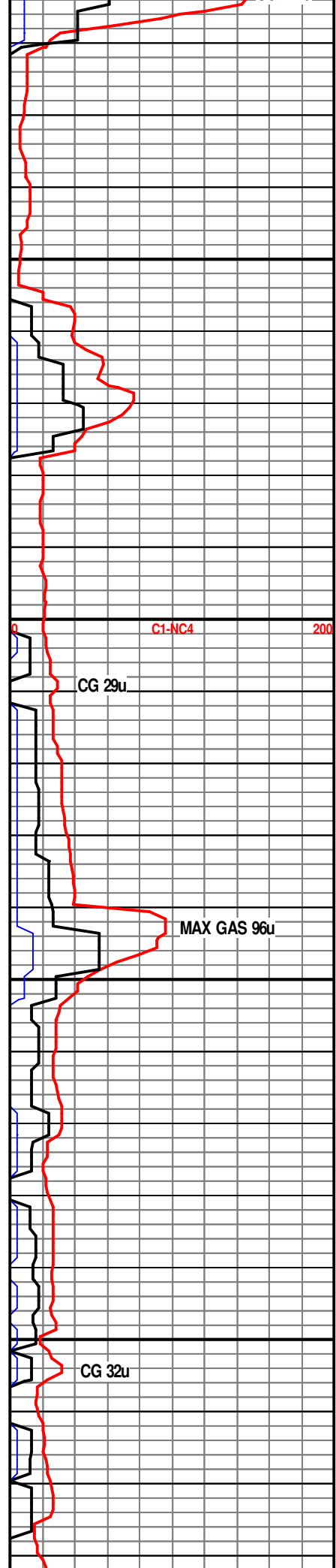
**Cherokee @ 4,570' MD
4,483' TVD**
LS: 10% Wht-ltGry, sft-m frm, vf xln, dull, dol; SH: 90% Lt-dk Gry, sft-frm, sb plty-plty, intlam, dull; no fluor, no cut, no rng

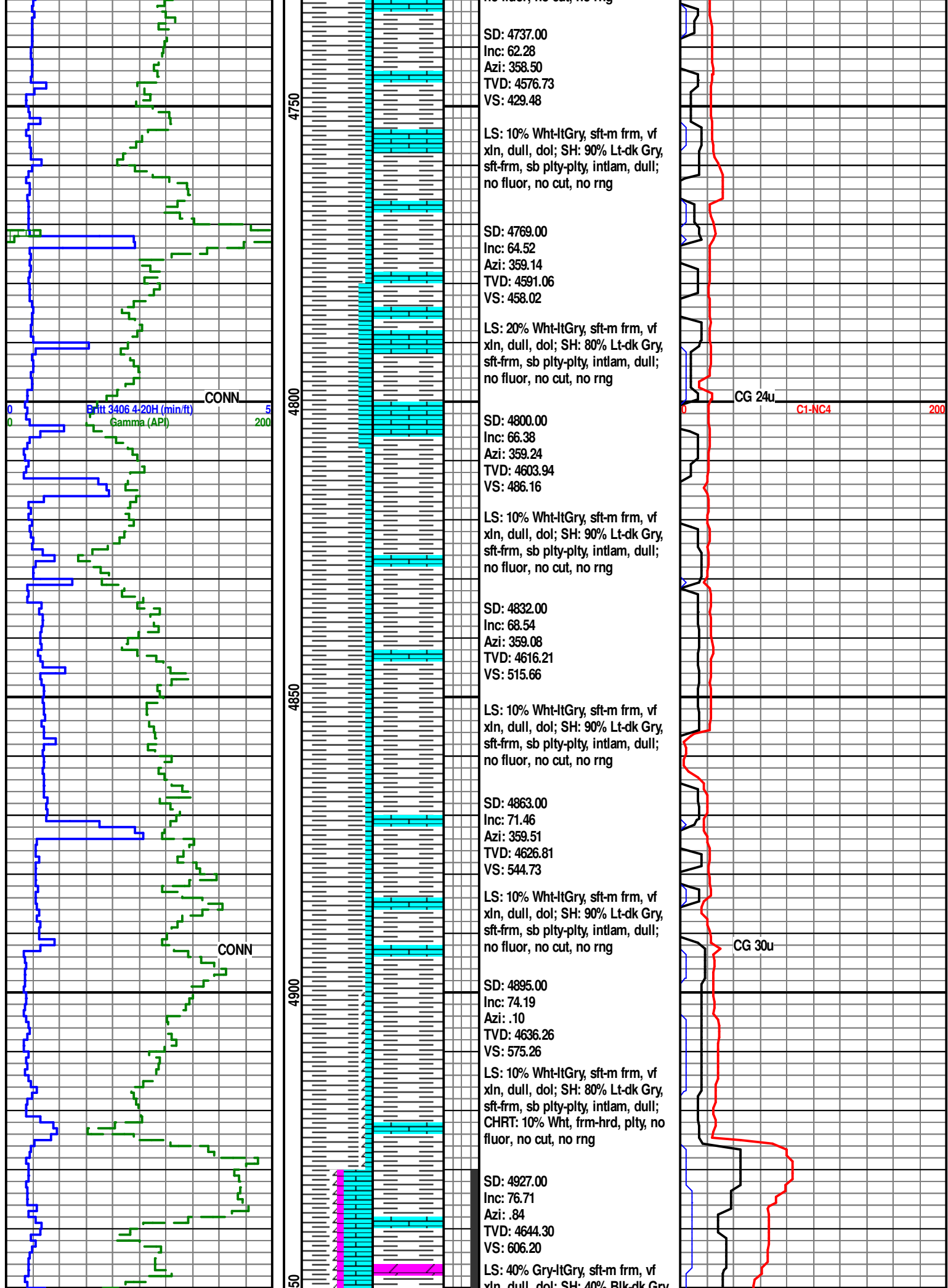
SD: 4611.00
Inc: 52.29
Azi: 357.35
TVD: 4508.93
VS: 323.88
SD: 4642.00
Inc: 55.04
Azi: 357.20
TVD: 4527.30
VS: 348.74

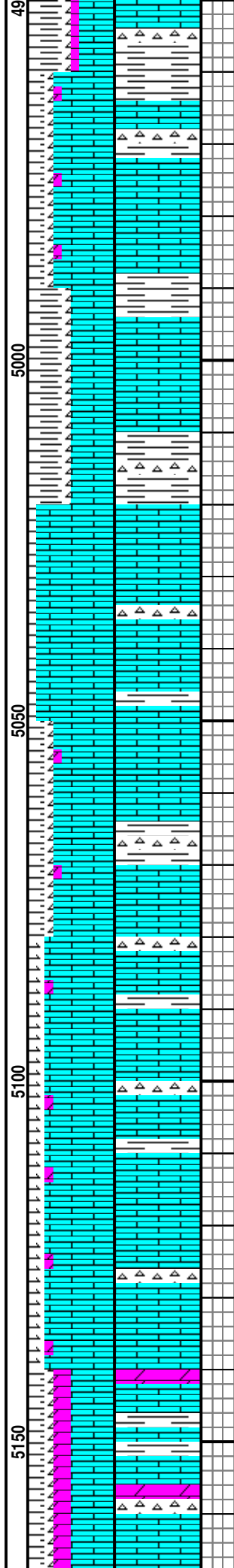
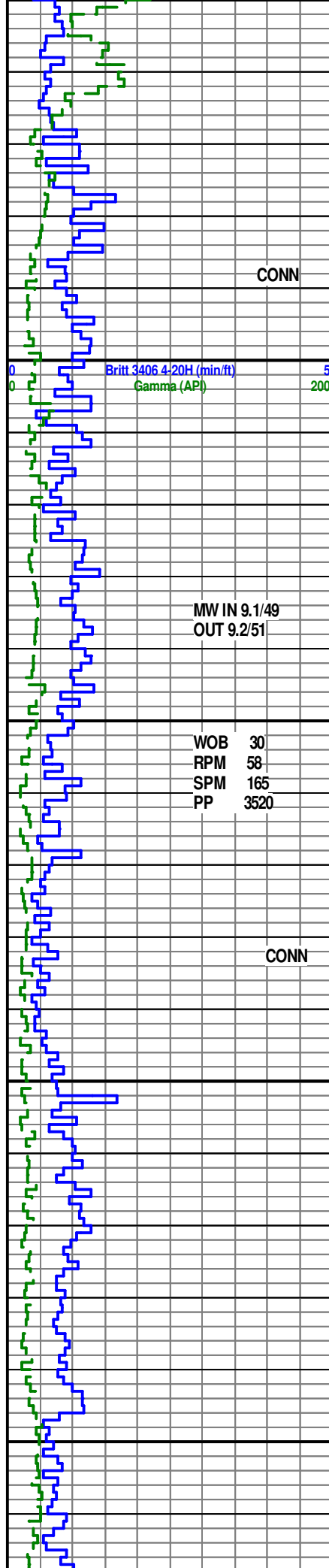
**Verdigris @ 4,626' MD,
4,518' TVD**
LS: 20% Wht-ltGry, sft-m frm, vf xln, dull, dol; SH: 80% Lt-dk Gry, sft-frm, sb plty-plty, intlam, dull; no fluor, no cut, no rng

SD: 4674.00
Inc: 57.41
Azi: 357.73
TVD: 4545.09
VS: 375.22
LS: 20% Wht-ltGry, sft-m frm, vf xln, dull, dol; SH: 80% Lt-dk Gry, sft-frm, sb plty-plty, intlam, dull; no fluor, no cut, no rng

SD: 4705.00
Inc: 59.79
Azi: 357.93
TVD: 4561.24
VS: 401.58
LS: 10% Wht-ltGry, sft-m frm, vf xln, dull, dol; SH: 90% Lt-dk Gry, sft-frm, sb plty-plty, intlam, dull; no fluor, no cut, no rng







Mississippi Lime @ 4,969' MD, 4,652' TVD

LS: 70% Gry-ltGry, sft-m frm, vf xln, dull, dol; SH: 20% Blk-dk Gry, sft-frm, sb plty-plty, intlam, dull; DOL: TR% off Wht, lt Brn, frm-hrd, blkyl dull; CHRT: 10% Wht, frm-hrd, plty, lt Yl fluor, no cut, no rng

SD: 4990.00
Inc: 81.47
Azi: .43
TVD: 4656.21
VS: 668.00

LS: 90% Wht-ltGry, sft-m frm, vf xln, dull, dol; SH: 10% Lt-dk Gry, sft-frm, sb plty-plty, intlam, dull; lt Yl fluor, no cut, no rng

SD: 5053.00
Inc: 85.41
Azi: .33
TVD: 4663.40
VS: 730.52

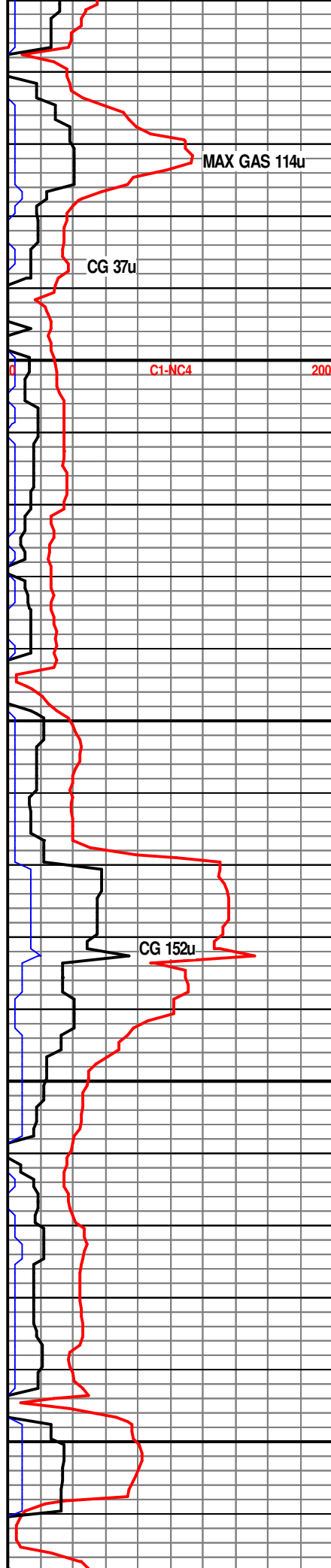
LS: 70% Gry-ltGry, sft-m frm, vf xln, dull, dol; SH: 20% Blk-dk Gry, sft-frm, sb plty-plty, intlam, dull; DOL: TR% off Wht, lt Brn, frm-hrd, blkyl dull; CHRT: 10% Wht, frm-hrd, plty, lt Yl fluor, no cut, no rng

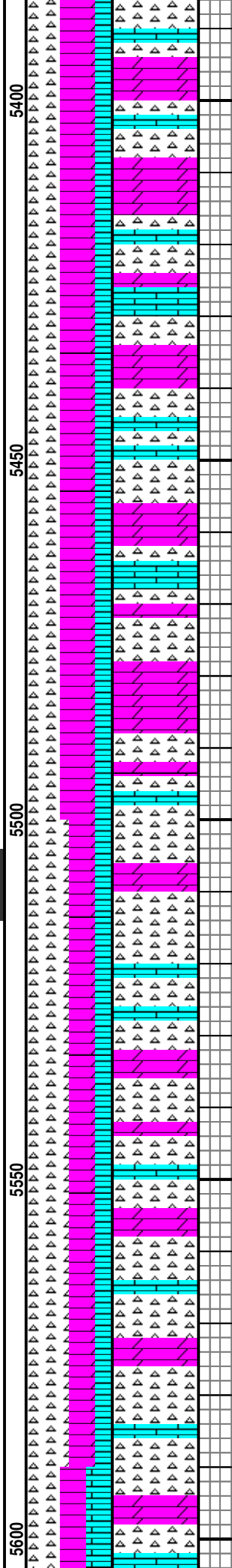
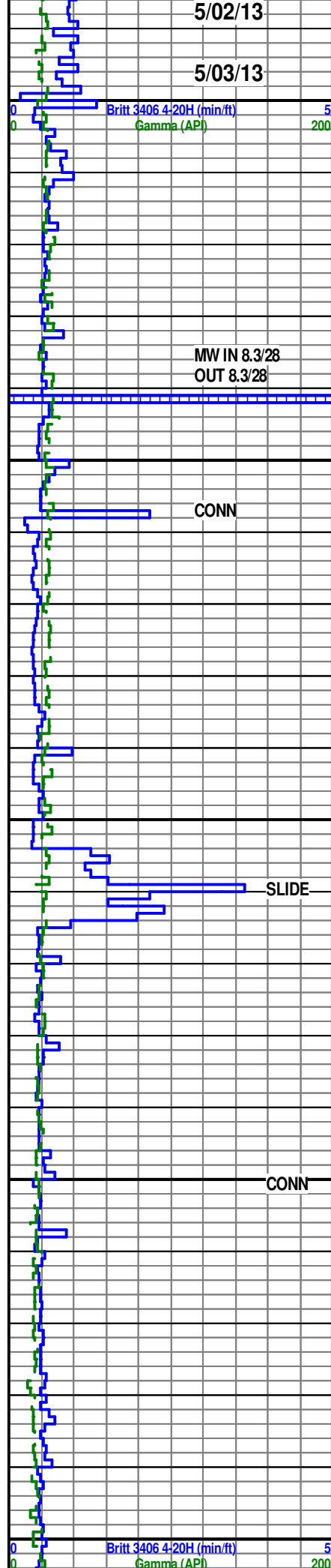
LS: 80% Gry-ltGry, sft-m frm, vf xln, dull, dol; SH: 100% Blk-dk Gry, sft-frm, sb plty-plty, intlam, dull; DOL: TR% off Wht, lt Brn, frm-hrd, blkyl dull; CHRT: 10% Wht, frm-hrd, plty, lt Yl fluor, no cut, no rng

LS: 80% Gry-ltGry, sft-m frm, vf xln, dull, dol; SH: 10% Blk-dk Gry, sft-frm, sb plty-plty, intlam, dull; DOL: TR% off Wht, lt Brn, frm-hrd, blkyl dull; CHRT: 10% Wht, frm-hrd, plty, lt Yl fluor, no cut, no rng

SD: 5148.00
Inc: 85.23
Azi: .60
TVD: 4671.15
VS: 825.12

LS: 50% Gry-ltGry, sft-m frm, vf xln, dull, dol; SH: 20% Blk-dk Gry, sft-frm, sb plty-plty, intlam, dull; DOL: 20% off Wht, lt Brn, frm-hrd,





blky dull; CHRT: 40% Wht, frm-hrd, plty, no fluor, no cut, no rng

TD @ 5,399' MD for Intermediate Casing

LS: 20% Gry-ltGry, sft-m frm, vf xln, dull, dol; DOL: 40% off Wht, lt Brn, frm-hrd, blky dull; CHRT: 40% Wht, frm-hrd, plty, no fluor, no cut, no rng

SD: 5445.00
Inc: 90.28
Azi: 359.95
TVD: 4688.07
VS: 1121.17

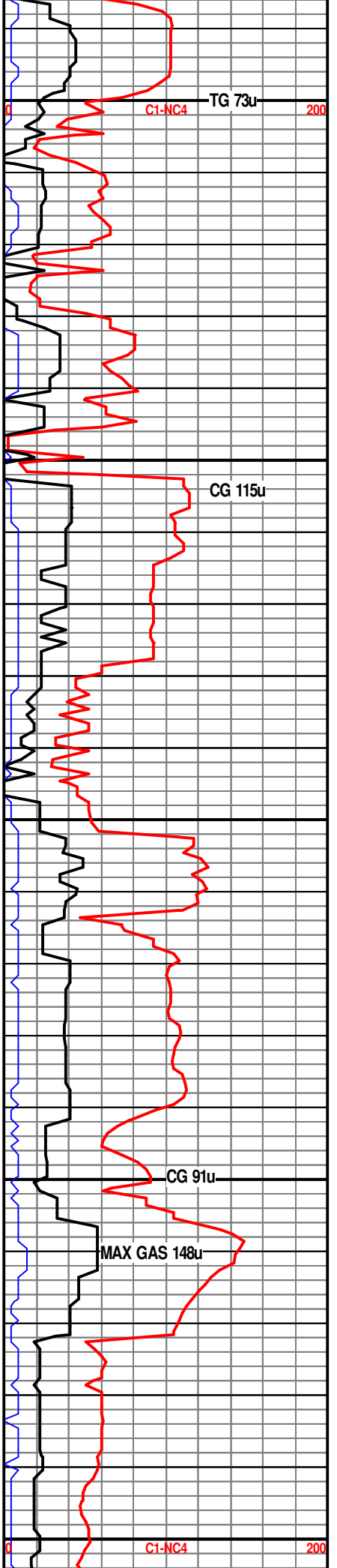
LS: 20% Gry-ltGry, sft-m frm, vf xln, dull, dol; DOL: 40% off Wht, lt Brn, frm-hrd, blky dull; CHRT: 40% Wht, frm-hrd, plty, no fluor, no cut, no rng

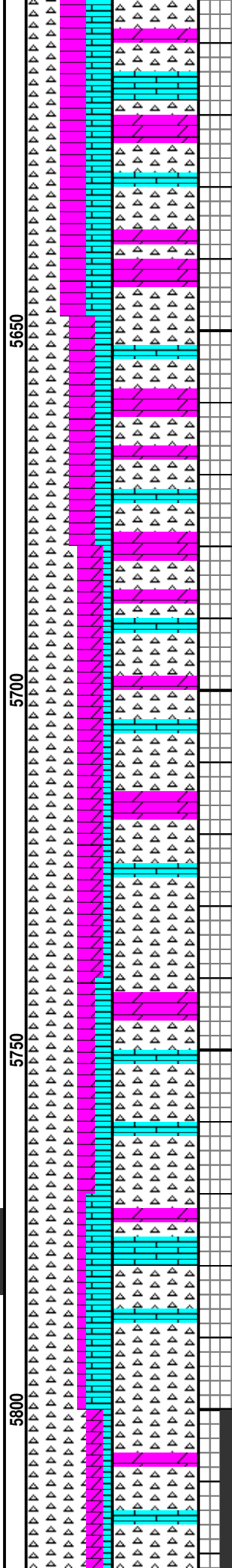
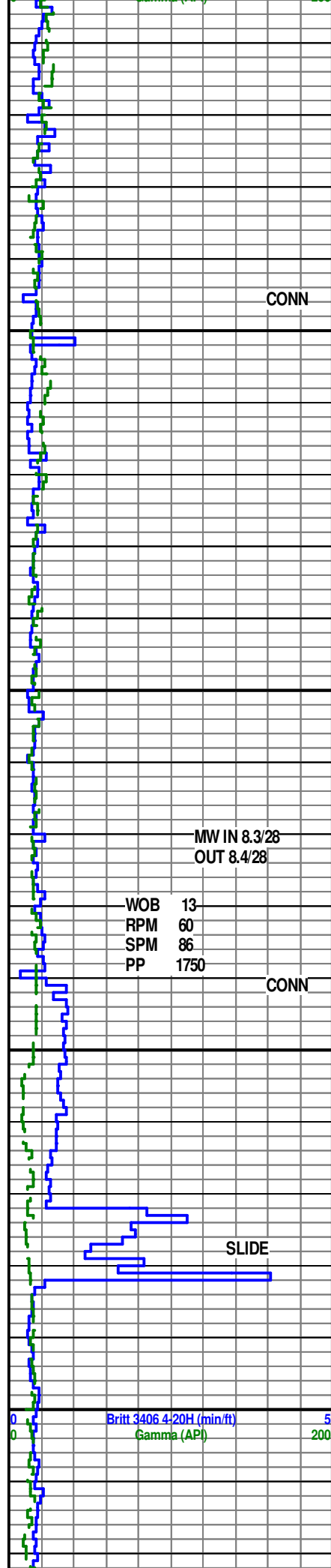
SD: 5508.00
Inc: 92.31
Azi: 358.76
TVD: 4686.64
VS: 1184.03

LS: 20% Gry-ltGry, sft-m frm, vf xln, dull, dol; DOL: 30% off Wht, lt Brn, frm-hrd, blky dull; CHRT: 50% Wht, frm-hrd, plty, lt YI fluor, no cut, no rng

LS: 20% Gry-ltGry, sft-m frm, vf xln, dull, dol; DOL: 30% off Wht, lt Brn, frm-hrd, blky dull; CHRT: 50% Wht, frm-hrd, plty, lt YI fluor, no cut, no rng

SD: 5603.00
Inc: 92.54
Azi: .06
TVD: 4682.62





VS: 1278.78
LS: 30% Gry-ltGry, sft-m frm, vf xln, dull, dol; DOL: 40% off Wht, lt Brn, frm-hrd, blkyl dull; CHRT: 30% Wht, frm-hrd, plty, no fluor, no cut, no rng

LS: 30% Gry-ltGry, sft-m frm, vf xln, dull, dol; DOL: 40% off Wht, lt Brn, frm-hrd, blkyl dull; CHRT: 30% Wht, frm-hrd, plty, no fluor, no cut, no rng

LS: 20% Gry-ltGry, sft-m frm, vf xln, dull, dol; DOL: 30% off Wht, lt Brn, frm-hrd, blkyl dull; CHRT: 50% Wht, frm-hrd, plty, no fluor, no cut, no rng

SD: 5698.00
Inc: 92.34
Azi: .42
TVD: 4678.58
VS: 1373.60

LS: 10% Gry-ltGry, sft-m frm, vf xln, dull, dol; DOL: 30% off Wht, lt Brn, frm-hrd, blkyl dull; CHRT: 60% Wht, frm-hrd, plty, no fluor, no cut, no rng

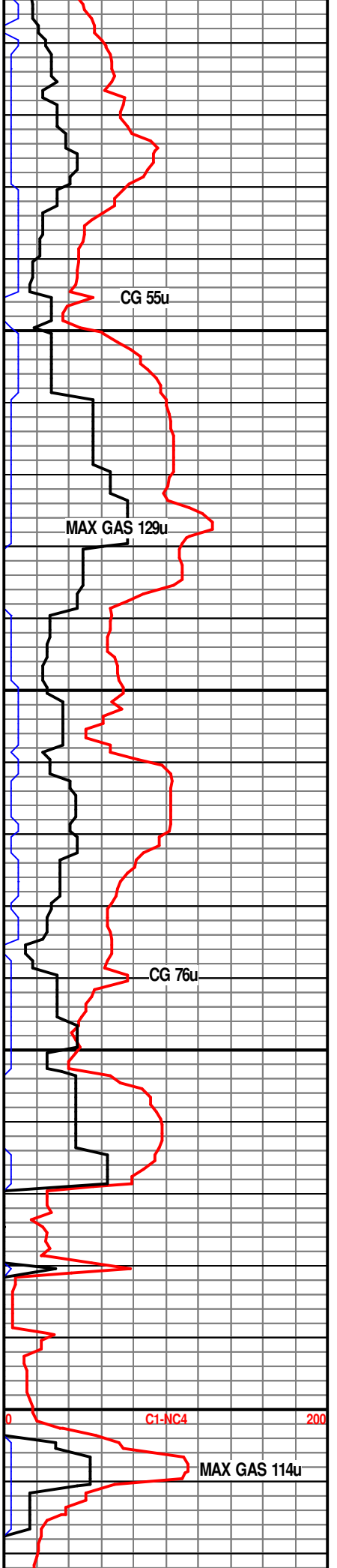
LS: 10% Gry-ltGry, sft-m frm, vf xln, dull, dol; DOL: 30% off Wht, lt Brn, frm-hrd, blkyl dull; CHRT: 60% Wht, frm-hrd, plty, no fluor, no cut, no rng

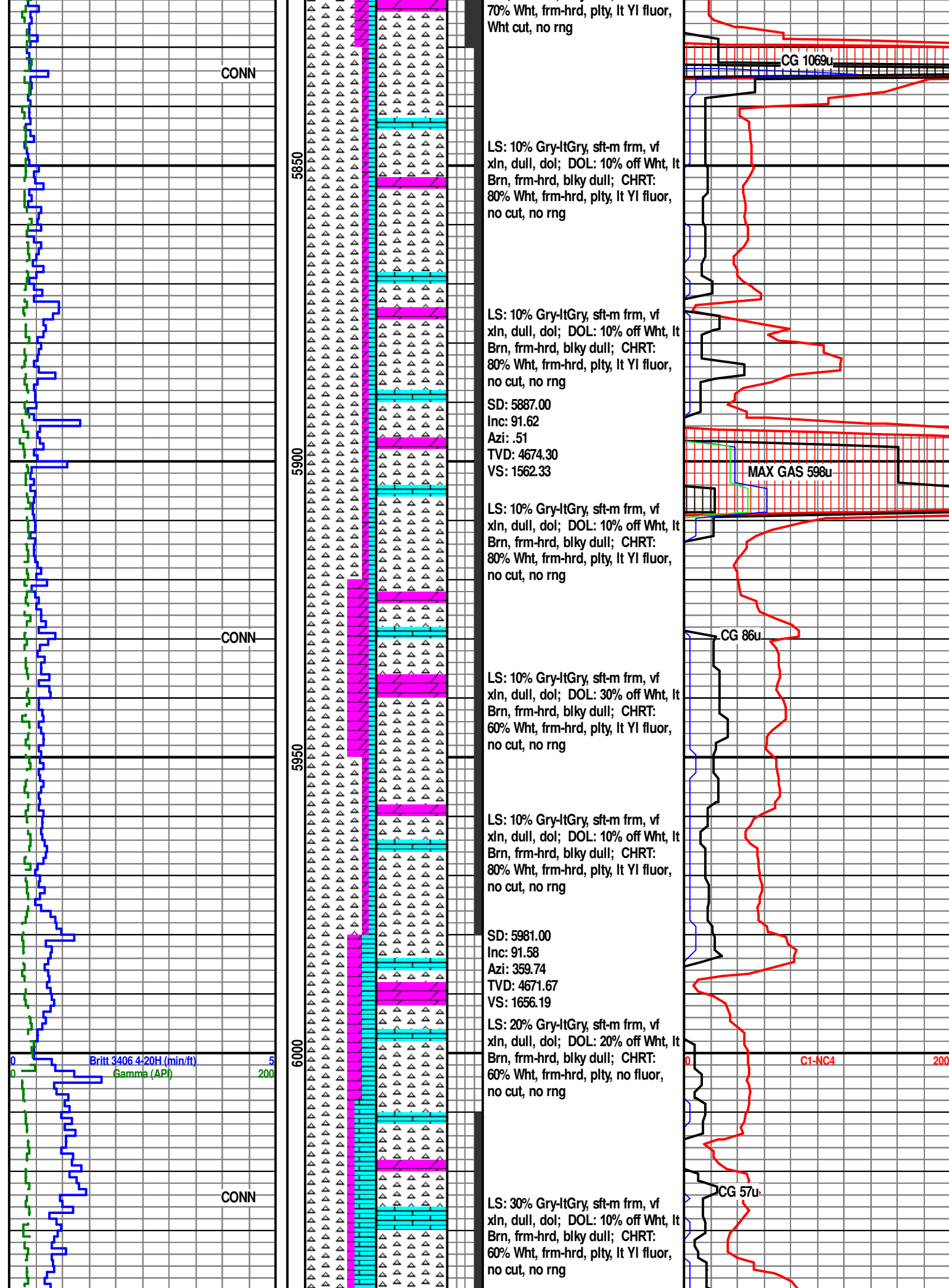
LS: 20% Gry-ltGry, sft-m frm, vf xln, dull, dol; DOL: 20% off Wht, lt Brn, frm-hrd, blkyl dull; CHRT: 60% Wht, frm-hrd, plty, no fluor, no cut, no rng

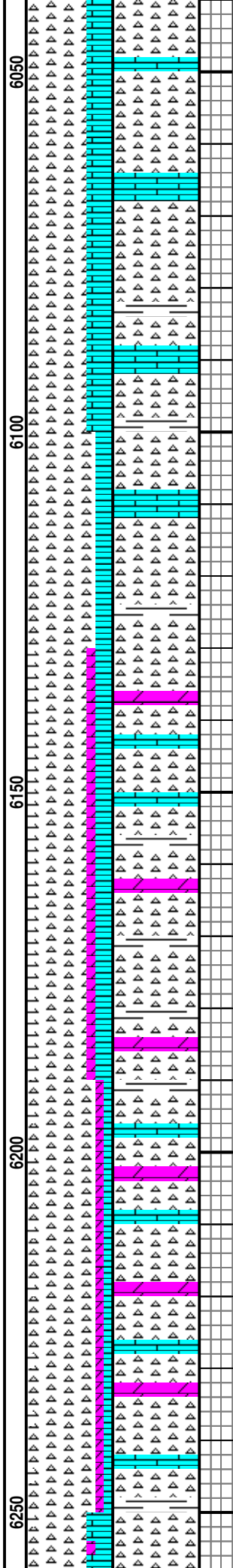
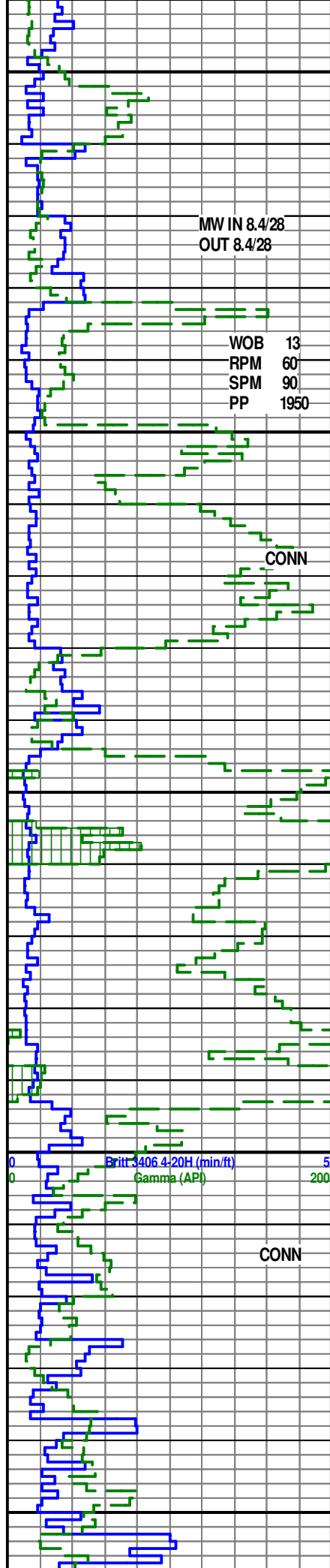
LS: 30% Gry-ltGry, sft-m frm, vf xln, dull, dol; DOL: 10% off Wht, lt Brn, frm-hrd, blkyl dull; CHRT: 60% Wht, frm-hrd, plty, no fluor, no cut, no rng

SD: 5792.00
Inc: 90.62
Azi: 359.75
TVD: 4676.15
VS: 1467.45

LS: 10% Gry-ltGry, sft-m frm, vf xln, dull, dol; DOL: 20% off Wht, lt Brn, frm-hrd, blkyl dull; CHRT:







LS: 30% Gry-ltGry, sft-m frm, vf
xln, dull, dol; CHRT: 70% Wht,
frm-hrd, plty, lt YI fluor, no cut, no
rng

SD: 6076.00
Inc: 90.53
Azi: 359.70
TVD: 4669.92
VS: 1751.03

LS: 30% Gry-ltGry, sft-m frm, vf
xln, dull, dol; CHRT: 70% Wht,
frm-hrd, plty, lt YI fluor, no cut, no
rng

LS: 20% Gry-ltGry, sft-m frm, vf
xln, dull, dol; CHRT: 80% Wht,
frm-hrd, plty, lt YI fluor, no cut, no
rng

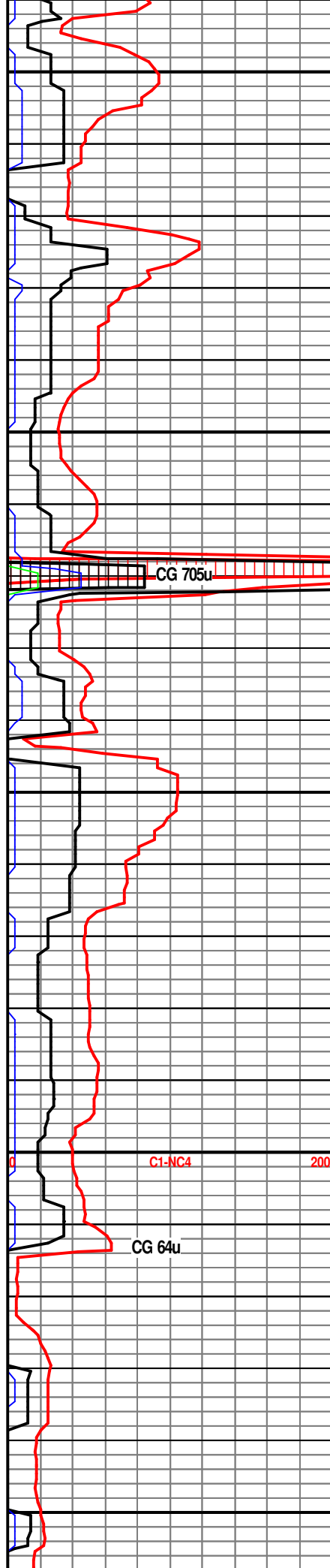
LS: 20% Gry-ltGry, sft-m frm, vf
xln, dull, dol; SH: 10% Blk-dk Gry,
sft-frm, sb plty-plty, intlam, dull;
DOL: 10% off Wht, lt Brn, frm-hrd,
blky dull; CHRT: 60% Wht,
frm-hrd, plty, no fluor, no cut, no
rng

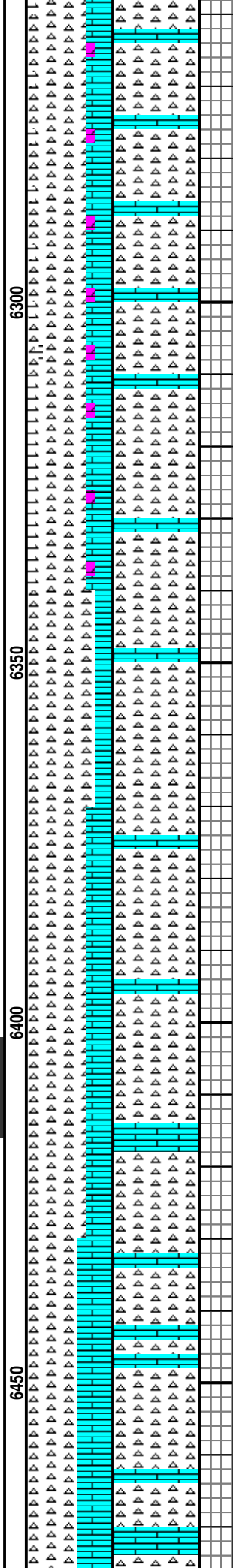
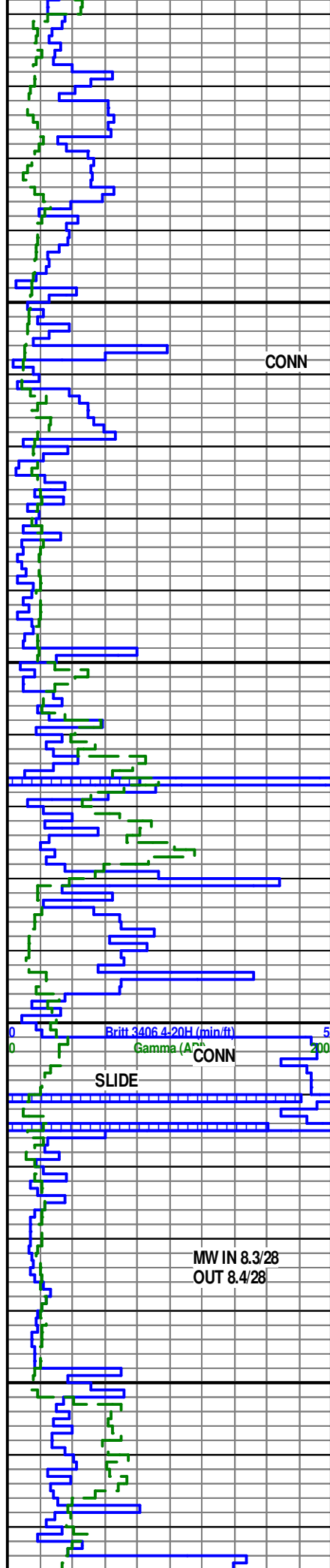
SD: 6171.00
Inc: 90.93
Azi: .73
TVD: 4668.71
VS: 1845.93

LS: 30% Gry-ltGry, sft-m frm, vf
xln, dull, dol; SH: 10% Blk-dk Gry,
sft-frm, sb plty-plty, intlam, dull;
DOL: 40% off Wht, lt Brn, frm-hrd,
blky dull; CHRT: 20% Wht,
frm-hrd, plty, no fluor, no cut, no
rng

LS: 10% Gry-ltGry, sft-m frm, vf
xln, dull, dol; SH: TR% Blk-dk Gry,
sft-frm, sb plty-plty, intlam, dull;
DOL: 20% off Wht, lt Brn, frm-hrd,
blky dull; CHRT: 70% Wht,
frm-hrd, plty, no fluor, no cut, no
rng

LS: 10% Gry-ltGry, sft-m frm, vf
xln, dull, dol; SH: TR% Blk-dk Gry,
sft-frm, sb plty-plty, intlam, dull;
DOL: 10% off Wht, lt Brn, frm-hrd,
blky dull; CHRT: 80% Wht,
frm-hrd, plty, no fluor, no cut, no
rng





LS: 30% Gry-ltGry, sft-m frm, vf xln, dull, dol; SH: TR% Blk-dk Gry, sft-frm, sb plty-plty, intlam, dull; DOL: TR% off Wht, lt Brn, frm-hrd, blkyl dull; CHRT: 70% Wht, frm-hrd, plty, no fluor, no cut, no rng

LS: 30% Gry-ltGry, sft-m frm, vf xln, dull, dol; SH: TR% Blk-dk Gry, sft-frm, sb plty-plty, intlam, dull; DOL: TR% off Wht, lt Brn, frm-hrd, blkyl dull; CHRT: 70% Wht, frm-hrd, plty, no fluor, no cut, no rng

LS: 30% Gry-ltGry, sft-m frm, vf xln, dull, dol; SH: 10% Blk-dk Gry, sft-frm, sb plty-plty, intlam, dull; DOL: TR% off Wht, lt Brn, frm-hrd, blkyl dull; CHRT: 60% Wht, frm-hrd, plty, no fluor, no cut, no rng

SD: 6361.00
Inc: 88.00
Azi: 359.65
TVD: 4668.62
VS: 2035.72

LS: 20% Gry-ltGry, sft-m frm, vf xln, dull, dol; SH: trc Blk-dk Gry, sft-frm, sb plty-plty, intlam, dull; DOL: trc off Wht, lt Brn, frm-hrd, blkyl dull; CHRT: 80% Wht, frm-hrd, plty, lt Yl fluor, no cut, no rng

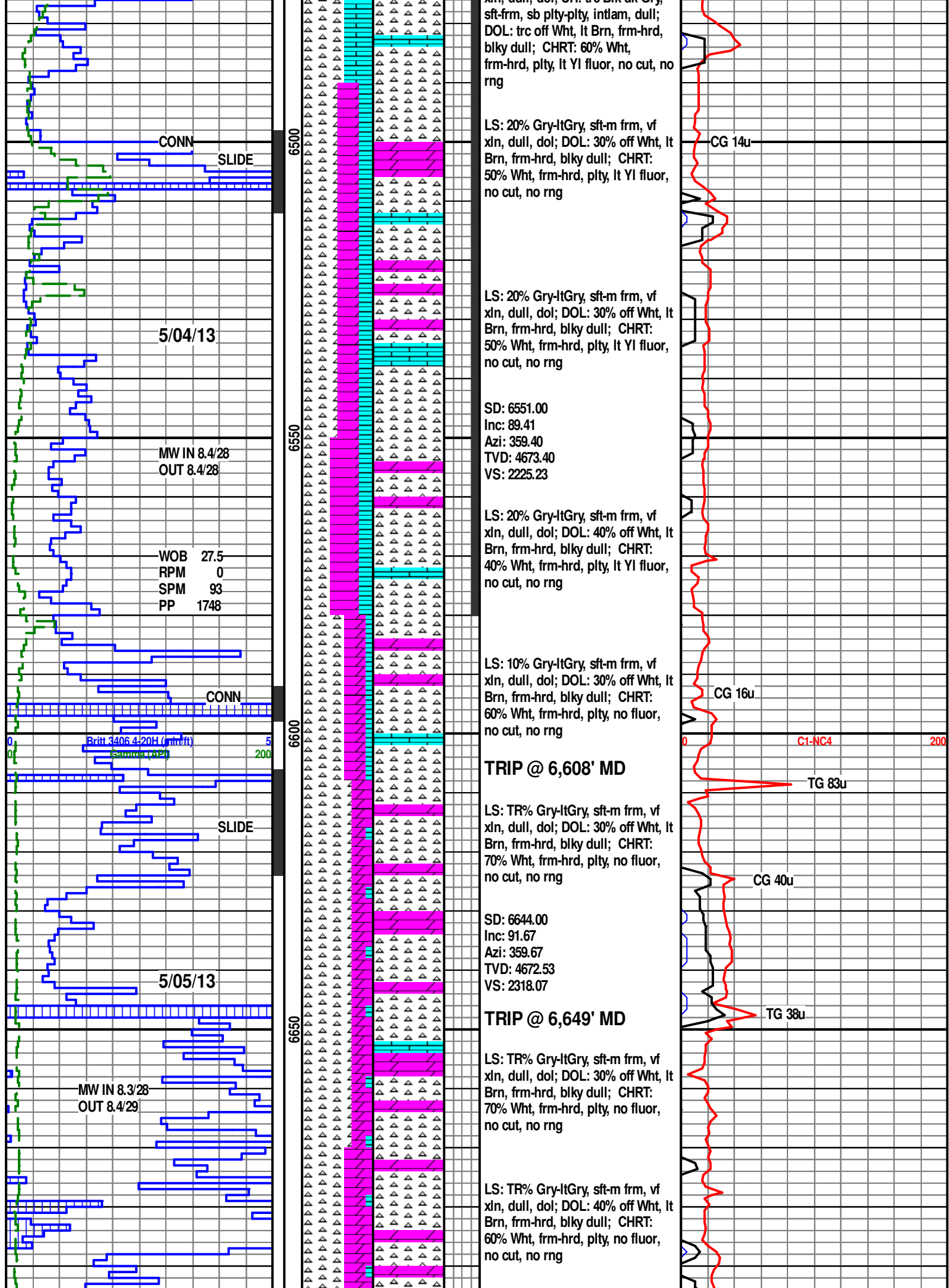
LS: 30% Gry-ltGry, sft-m frm, vf xln, dull, dol; SH: trc Blk-dk Gry, sft-frm, sb plty-plty, intlam, dull; DOL: trc off Wht, lt Brn, frm-hrd, blkyl dull; CHRT: 70% Wht, frm-hrd, plty, lt Yl fluor, no cut, no rng

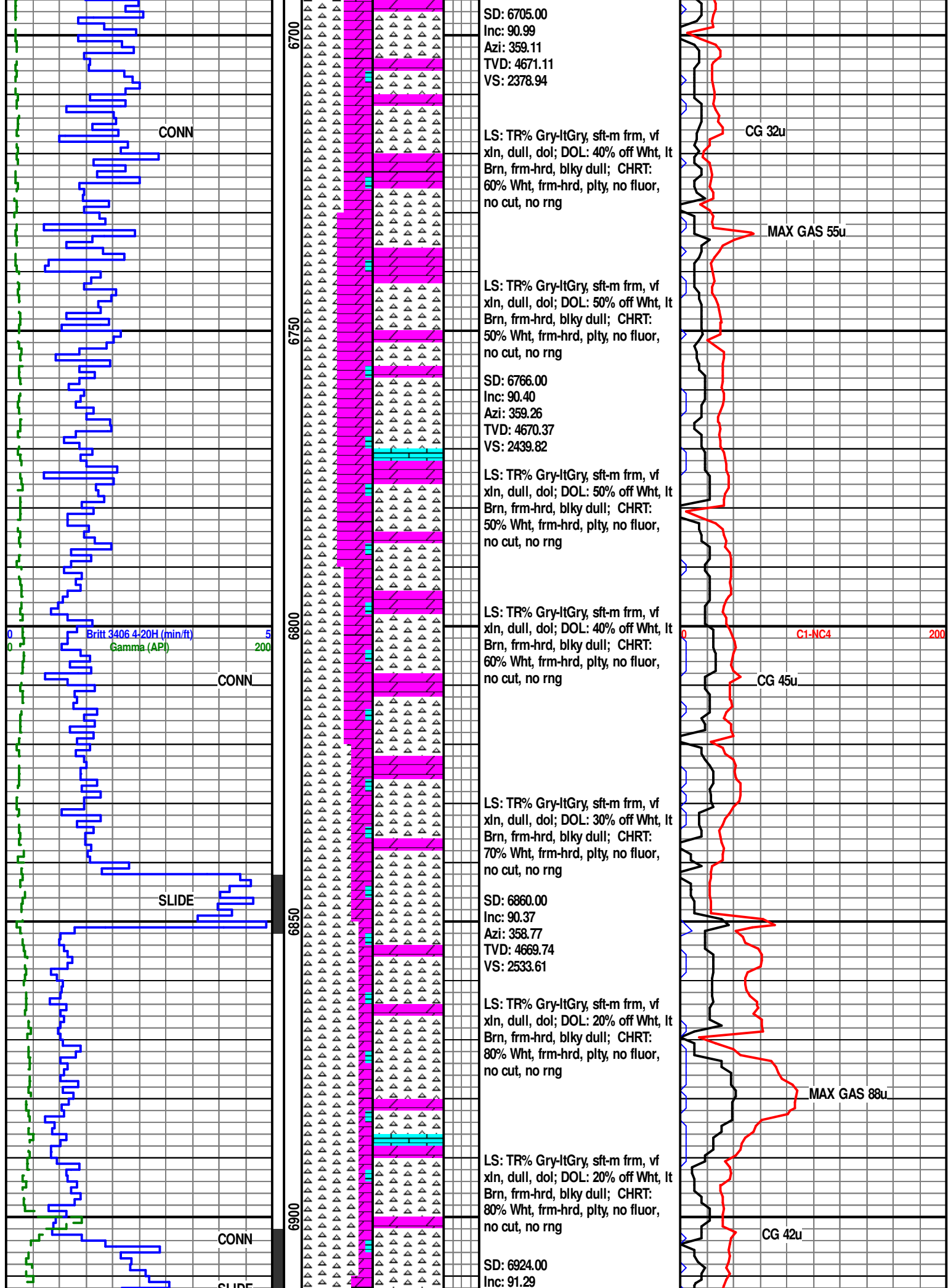
LS: 40% Gry-ltGry, sft-m frm, vf xln, dull, dol; SH: trc Blk-dk Gry, sft-frm, sb plty-plty, intlam, dull; DOL: trc off Wht, lt Brn, frm-hrd, blkyl dull; CHRT: 60% Wht, frm-hrd, plty, lt Yl fluor, no cut, no rng

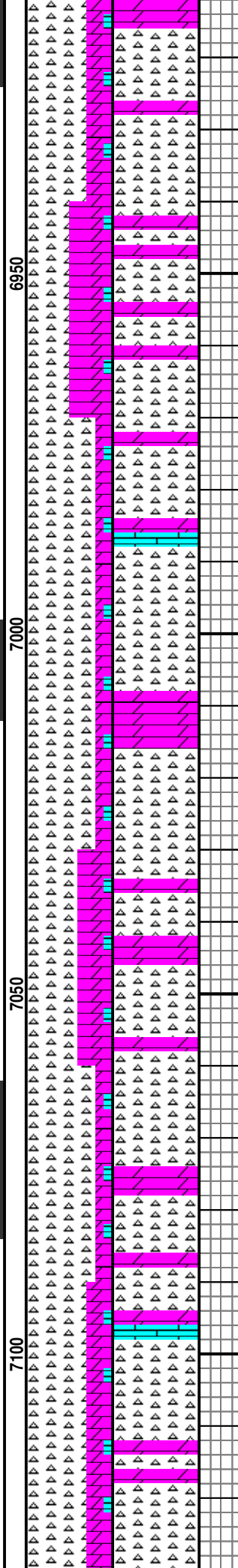
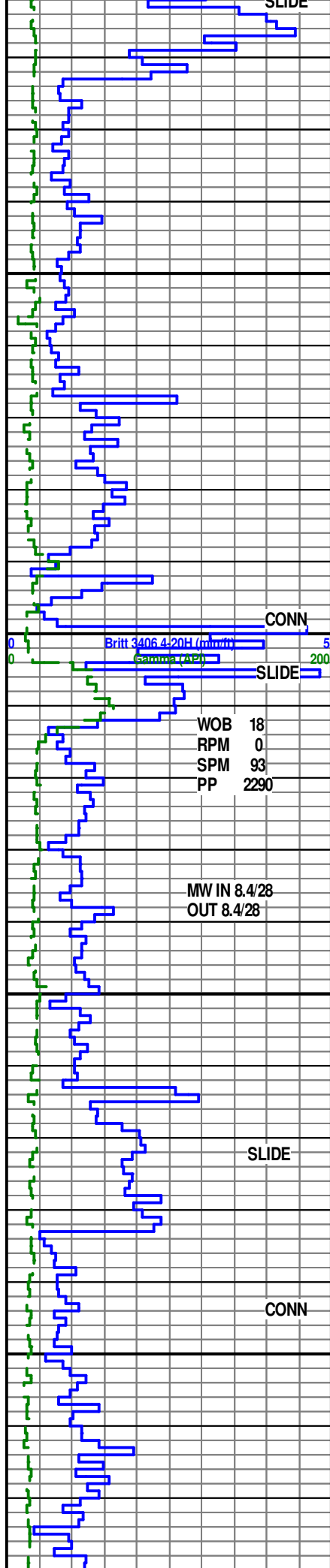
SD: 6456.00
Inc: 88.41
Azi: 358.47
TVD: 4671.60
VS: 2130.47

LS: 40% Gry-ltGry, sft-m frm, vf xln, dull, dol; SH: trc Blk-dk Gry









Azi: 358.36
TVD: 4668.81
VS: 2597.42

LS: TR% Gry-ItGry, sft-m frm, vf
xln, dull, dol; DOL: 30% off Wht, lt
Brn, frm-hrd, blk dull; CHRT:
70% Wht, frm-hrd, plty, no fluor,
no cut, no rng

LS: TR% Gry-ItGry, sft-m frm, vf
xln, dull, dol; DOL: 50% off Wht, lt
Brn, frm-hrd, blk dull; CHRT:
50% Wht, frm-hrd, plty, no fluor,
no cut, no rng

LS: TR% Gry-ItGry, sft-m frm, vf
xln, dull, dol; DOL: 20% off Wht, lt
Brn, frm-hrd, blk dull; CHRT:
80% Wht, frm-hrd, plty, no fluor,
no cut, no rng

LS: TR% Gry-ItGry, sft-m frm, vf
xln, dull, dol; DOL: 20% off Wht, lt
Brn, frm-hrd, blk dull; CHRT:
80% Wht, frm-hrd, plty, no fluor,
no cut, no rng

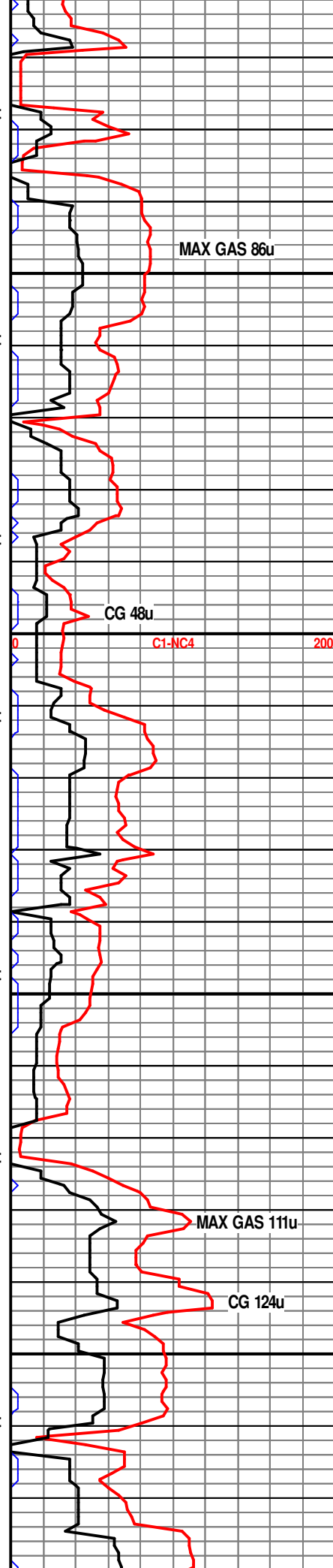
SD: 7019.00
Inc: 89.44
Azi: 358.03
TVD: 4668.21
VS: 2692.11

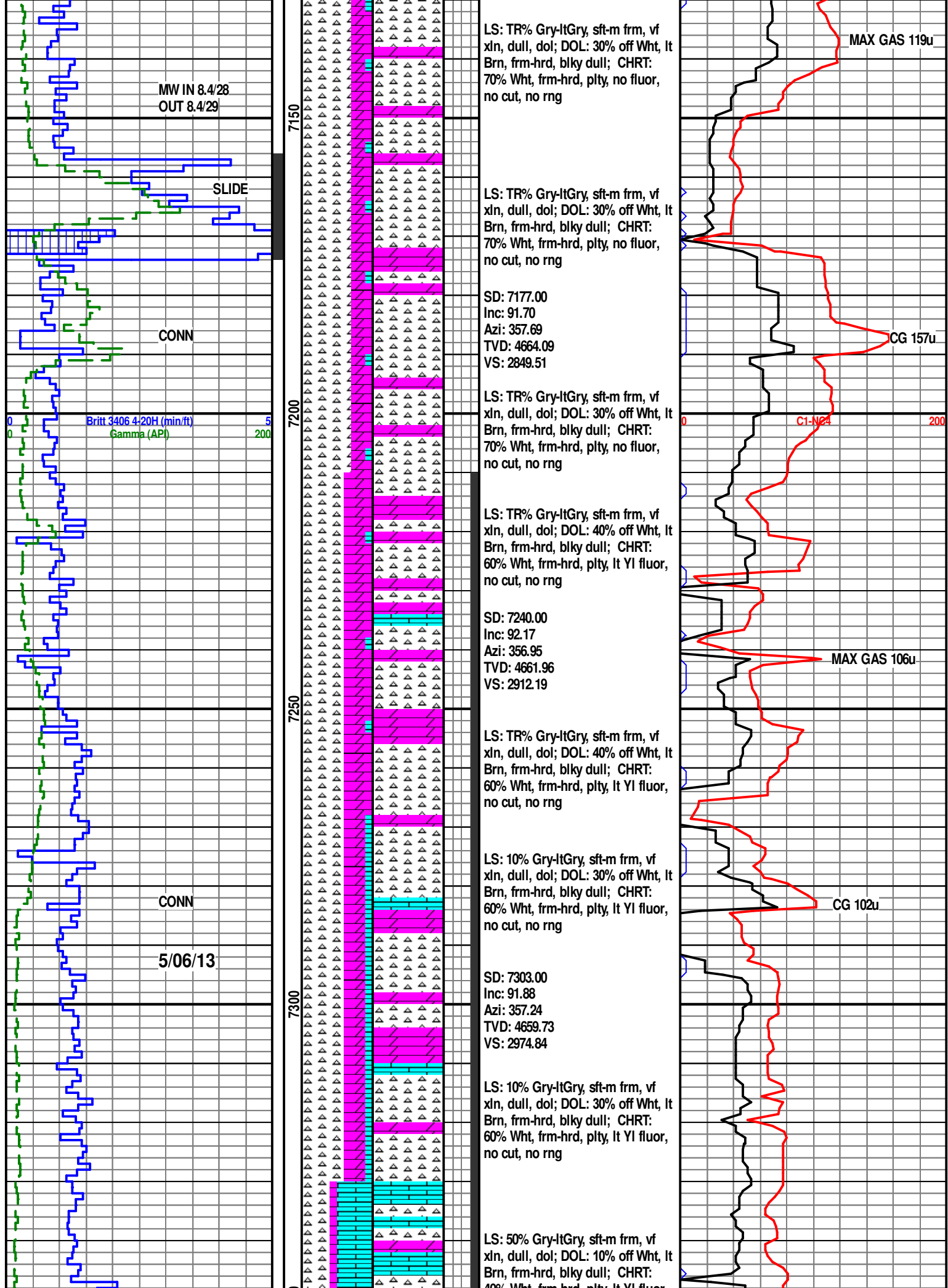
LS: TR% Gry-ItGry, sft-m frm, vf
xln, dull, dol; DOL: 40% off Wht, lt
Brn, frm-hrd, blk dull; CHRT:
60% Wht, frm-hrd, plty, no fluor,
no cut, no rng

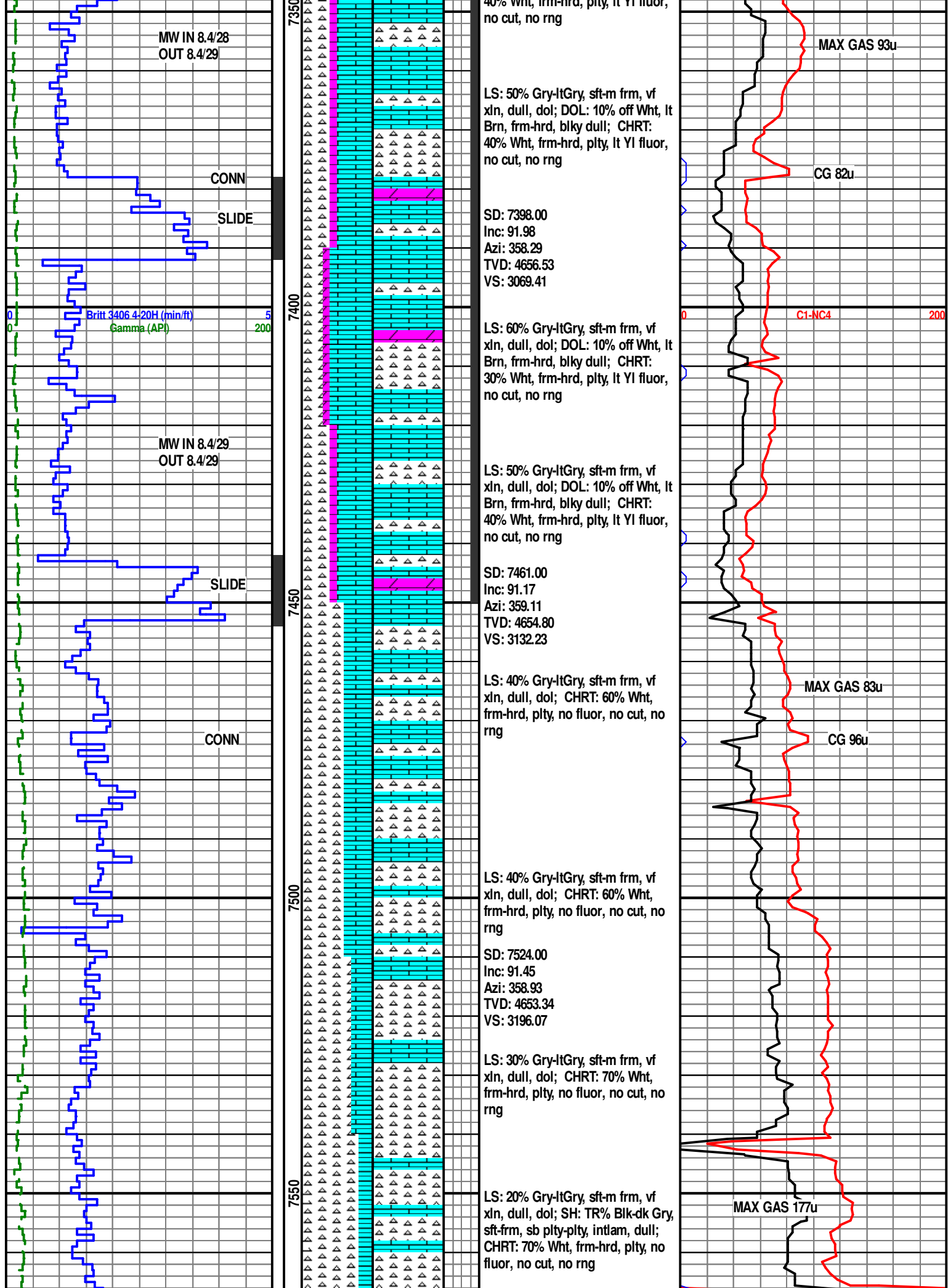
LS: TR% Gry-ItGry, sft-m frm, vf
xln, dull, dol; DOL: 20% off Wht, lt
Brn, frm-hrd, blk dull; CHRT:
80% Wht, frm-hrd, plty, no fluor,
no cut, no rng

SD: 7082.00
Inc: 92.19
Azi: 358.43
TVD: 4667.31
VS: 2754.90

LS: TR% Gry-ItGry, sft-m frm, vf
xln, dull, dol; DOL: 30% off Wht, lt
Brn, frm-hrd, blk dull; CHRT:
70% Wht, frm-hrd, plty, no fluor,
no cut, no rng







CONN

Britt 3406 4-20H (min/ft)
Gamma (API)WOB 32
RPM 60
SPM 87
PP 2225

CONN

CONN

7600

7650

7700

7750

LS: 40% Gry-ltGry, sft-m frm, vf
xln, dull, dol; SH: TR% Blk-dk Gry,
sft-frm, sb plty-plty, intlam, dull;
CHRT: 60% Wht, frm-hrd, plty, no
fluor, no cut, no rng

LS: 50% Gry-ltGry, sft-m frm, vf
xln, dull, dol; SH: TR% Blk-dk Gry,
sft-frm, sb plty-plty, intlam, dull;
CHRT: 50% Wht, frm-hrd, plty, no
fluor, no cut, no rng

SD: 7619.00
Inc: 90.59
Azi: 358.79
TVD: 4651.67
VS: 3289.83

LS: 60% Gry-ltGry, sft-m frm, vf
xln, dull, dol; SH: TR% Blk-dk Gry,
sft-frm, sb plty-plty, intlam, dull;
CHRT: 40% Wht, frm-hrd, plty, lt Yl
fluor, no cut, no rng

LS: 40% Gry-ltGry, sft-m frm, vf
xln, dull, dol; CHRT: 60% Wht,
frm-hrd, plty, lt Yl fluor, no cut, no
rng

LS: 60% Gry-ltGry, sft-m frm, vf
xln, dull, dol; CHRT: 40% Wht,
frm-hrd, plty, lt Yl fluor, no cut, no
rng

SD: 7714.00
Inc: 91.63
Azi: 357.37
TVD: 4649.83
VS: 3384.49

LS: 60% Gry-ltGry, sft-m frm, vf
xln, dull, dol; SH: TR% Blk-dk Gry,
sft-frm, sb plty-plty, intlam, dull;
CHRT: 40% Wht, frm-hrd, plty, lt Yl
fluor, no cut, no rng

LS: 50% Gry-ltGry, sft-m frm, vf
xln, dull, dol; CHRT: 50% Wht,
frm-hrd, plty, lt Yl fluor, no cut, no
rng

CG 302u

MAX GAS 265u

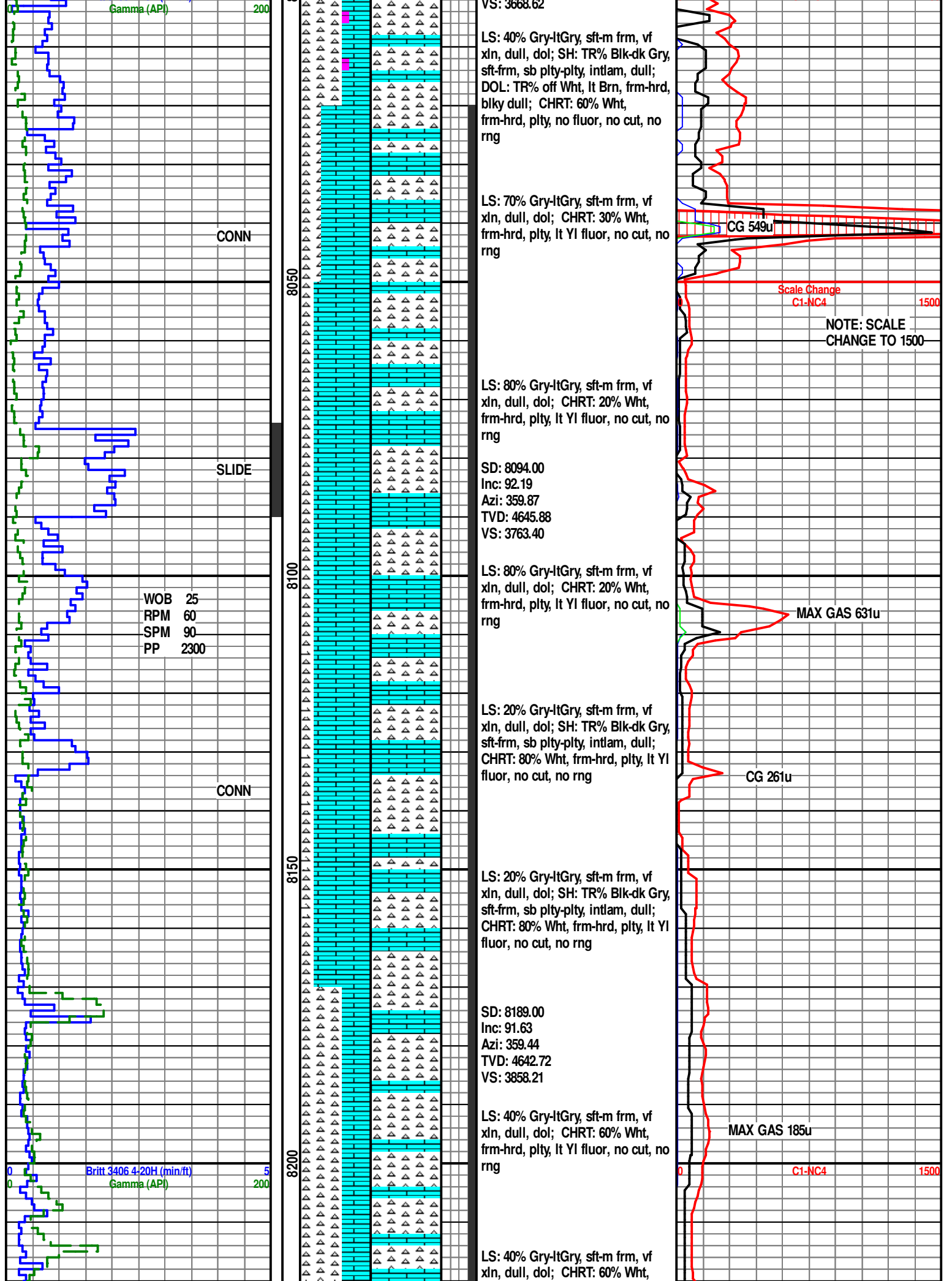
C1-NC4

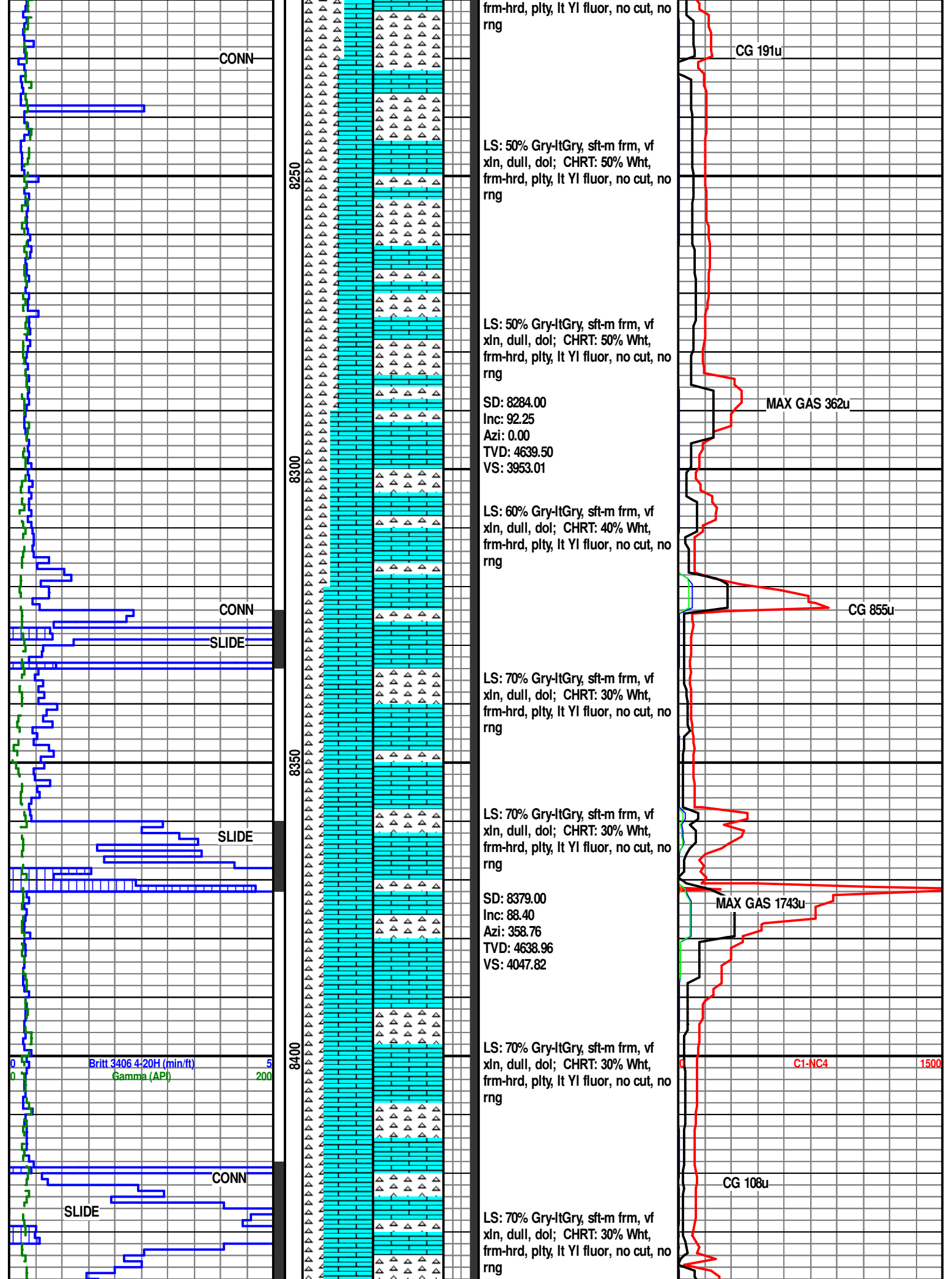
200

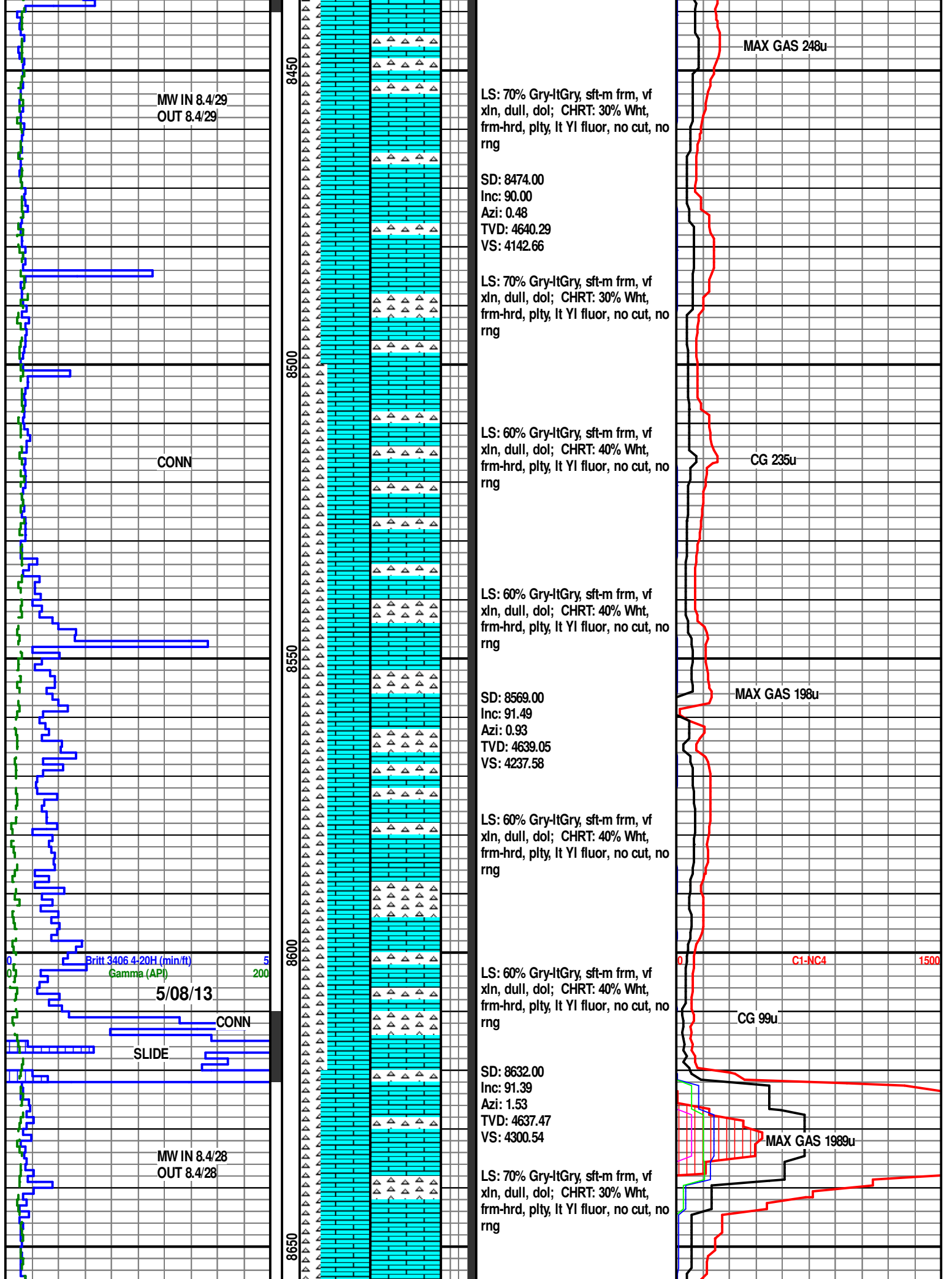
CG 213u

MAX GAS 197u

CG 186u







WOB 30
RPM 0
SPM 90
PP 2223

SLIDE

CONN

SLIDE

Britt 3406 4-20H (min/ft) CONN 5
Gamma (API) 200

8700

8750

8800

8850

LS: 70% Gry-ltGry, sft-m frm, vf
xln, dull, dol; CHRT: 30% Wht,
frm-hrd, plty, lt YI fluor, no cut, no
rng

LS: 70% Gry-ltGry, sft-m frm, vf
xln, dull, dol; CHRT: 30% Wht,
frm-hrd, plty, lt YI fluor, thin cut,
no rng

SD: 8727.00
Inc: 87.59
Azi: 2.11
TVD: 4638.32
VS: 4395.5

LS: 70% Gry-ltGry, sft-m frm, vf
xln, dull, dol; CHRT: 30% Wht,
frm-hrd, plty, lt YI fluor, thin cut,
no rng

LS: 70% Gry-ltGry, sft-m frm, vf
xln, dull, dol; CHRT: 30% Wht,
frm-hrd, plty, lt YI fluor, thin cut,
no rng

LS: 70% Gry-ltGry, sft-m frm, vf
xln, dull, dol; CHRT: 30% Wht,
frm-hrd, plty, lt YI fluor, thin cut,
no rng

SD: 8790.00
Inc: 90.49
Azi: 2.21
TVD: 4639.37
VS: 4458.49

LS: 60% Gry-ltGry, sft-m frm, vf
xln, dull, dol; CHRT: 40% Wht,
frm-hrd, plty, lt YI fluor, thin cut,
no rng

LS: 80% Gry-ltGry, sft-m frm, vf
xln, dull, dol; CHRT: 20% Wht,
frm-hrd, plty, lt YI fluor, no cut, no
rng

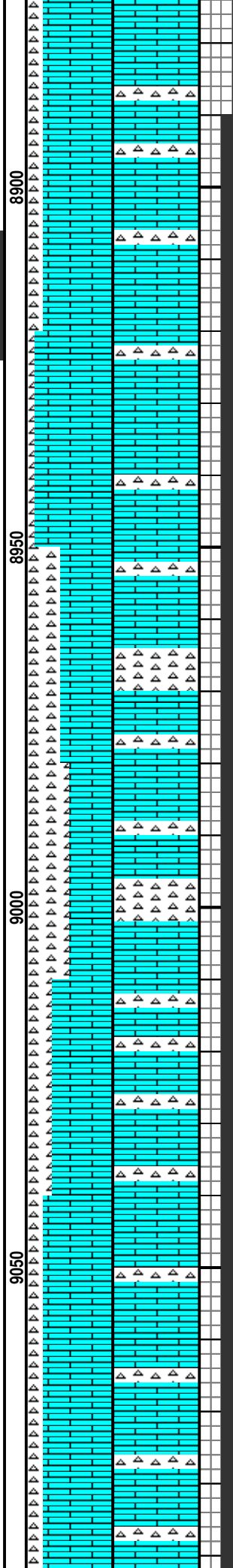
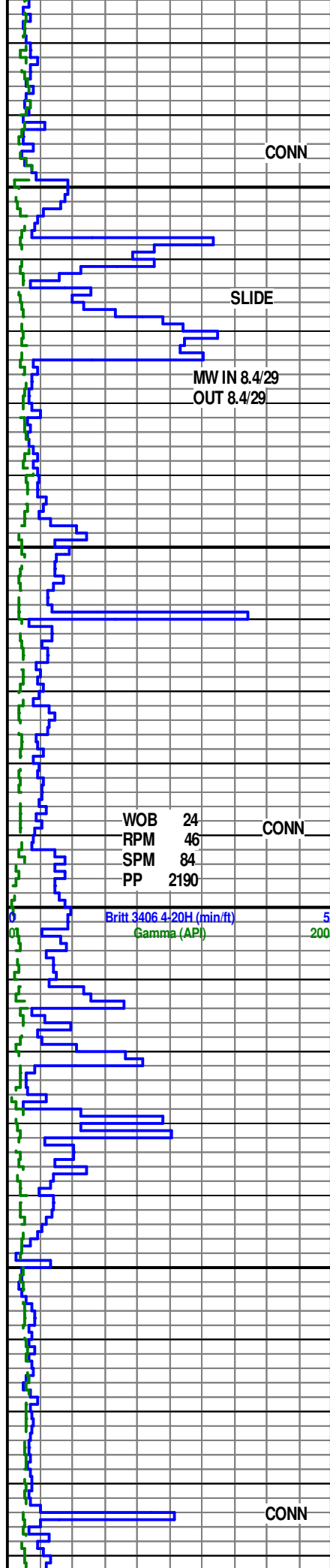
SD: 8853.00
Inc: 92.04
Azi: 3.03
TVD: 4637.98
VS: 4521.47

MAX GAS 1465u

CG 1122u

C1-NC4 CG 896u 1500

MAX GAS 2780u



LS: 80% Gry-ItGry, sft-m frm, vf xln, dull, dol; CHRT: 20% Wht, frm-hrd, plty, lt YI fluor, no cut, no rng

LS: 80% Gry-ItGry, sft-m frm, vf xln, dull, dol; CHRT: 20% Wht, frm-hrd, plty, lt YI fluor, thin cut, no rng

LS: 90% Gry-ItGry, sft-m frm, vf xln, dull, dol; CHRT: 10% Wht, frm-hrd, plty, lt YI fluor, thin cut, no rng

SD: 8948.00
Inc: 90.37
Azi: 1.75
TVD: 4635.98
VS: 4616.44

LS: 60% Gry-ItGry, sft-m frm, vf xln, dull, dol; CHRT: 40% Wht, frm-hrd, plty, lt YI fluor, thin cut, no rng

LS: 50% Gry-ItGry, sft-m frm, vf xln, dull, dol; CHRT: 50% Wht, frm-hrd, plty, lt YI fluor, thin cut, no rng

SD: 9011.00
Inc: 90.22
Azi: 1.89
TVD: 4635.66
VS: 4679.43

LS: 70% Gry-ItGry, sft-m frm, vf xln, dull, dol; CHRT: 30% Wht, frm-hrd, plty, lt YI fluor, thin cut, no rng

LS: 80% Gry-ItGry, sft-m frm, vf xln, dull, dol; CHRT: 20% Wht, frm-hrd, plty, lt YI fluor, thin cut, no rng

SD: 9075.00
Inc: 90.15
Azi: 1.76
TVD: 4635.45
VS: 4743.42

LS: 80% Gry-ItGry, sft-m frm, vf xln, dull, dol; CHRT: 20% Wht,

