



Oil & Gas Ltd.

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

Well Name: Maroon 24-20
Location: SESW Sec 20-T14S-R47W, Cheyenne County, Colorado
License Number: API: 05-017-07718
Spud Date: 11/09/12
Surface Coordinates: 888' FSL & 1499' FWL
Bottom Hole Coordinates: Same
Lat: 38.810920, Long: -102.698210
Ground Elevation (ft): 4242'
Logged Interval (ft): 4100' To: 5445'
Formation: Morrow, (TD in St. Louis).
Type of Drilling Fluid: LSND, Hydro Resources
Region: Wildcat
Drilling Completed: 11/19/12
K.B. Elevation (ft): 4253'
Total Depth (ft): 5442' LTD

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

OPERATOR

Company: Vecta Oil & Gas Ltd
Address: 575 Union Blvd, Suite 208
Lakewood, CO 80228
Tel. (303) 945-2860

GEOLOGIST

Name: Ryan Scribner
Company: Goolsby Brothers and Associates
Address: 575 Union Blvd., Suite 208
Lakewood, CO 80228

DSTs

One test (See description column for details)

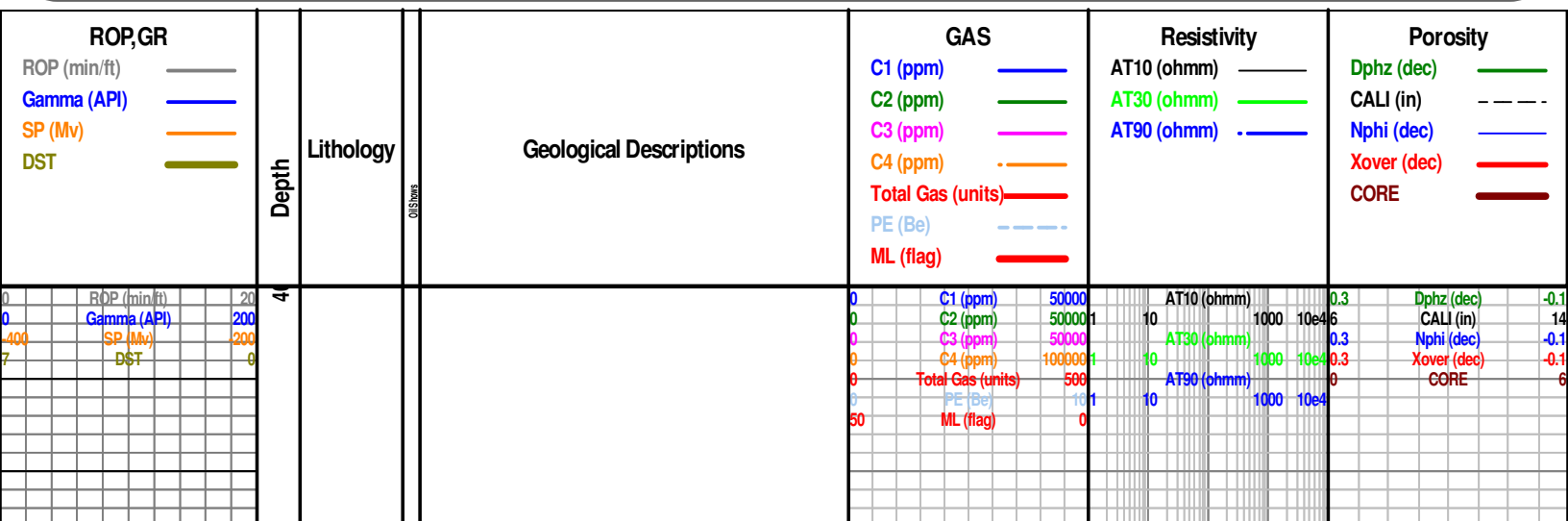
Comments

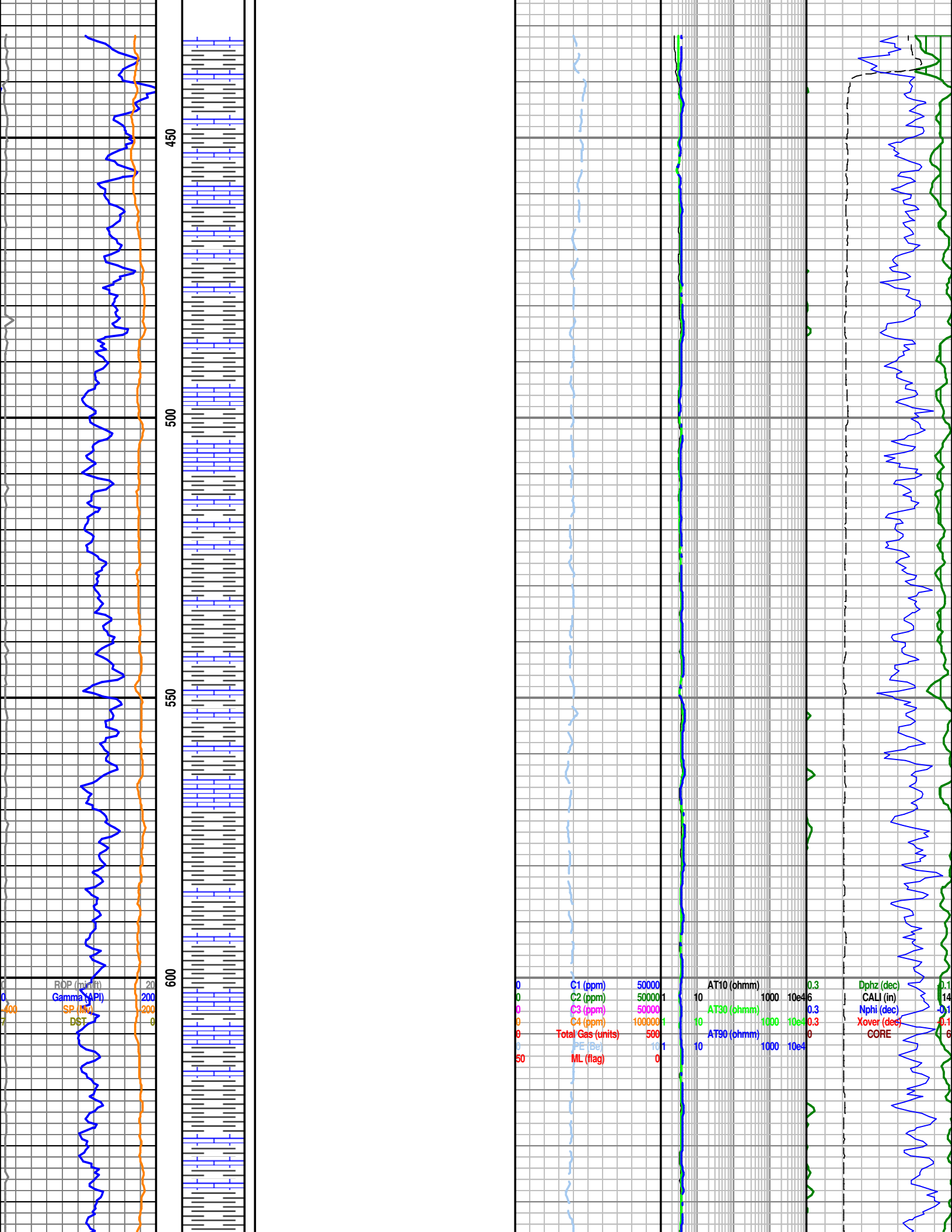
- 1) 8 5/8" csg set @ 434' KB.
- 2) Contractor: Integrity Drilling Rig #69. Toolpusher: Josh Kliesin, Company Man: Larry Schneider
- 3) Plugged and abandoned on November 20, 2012.

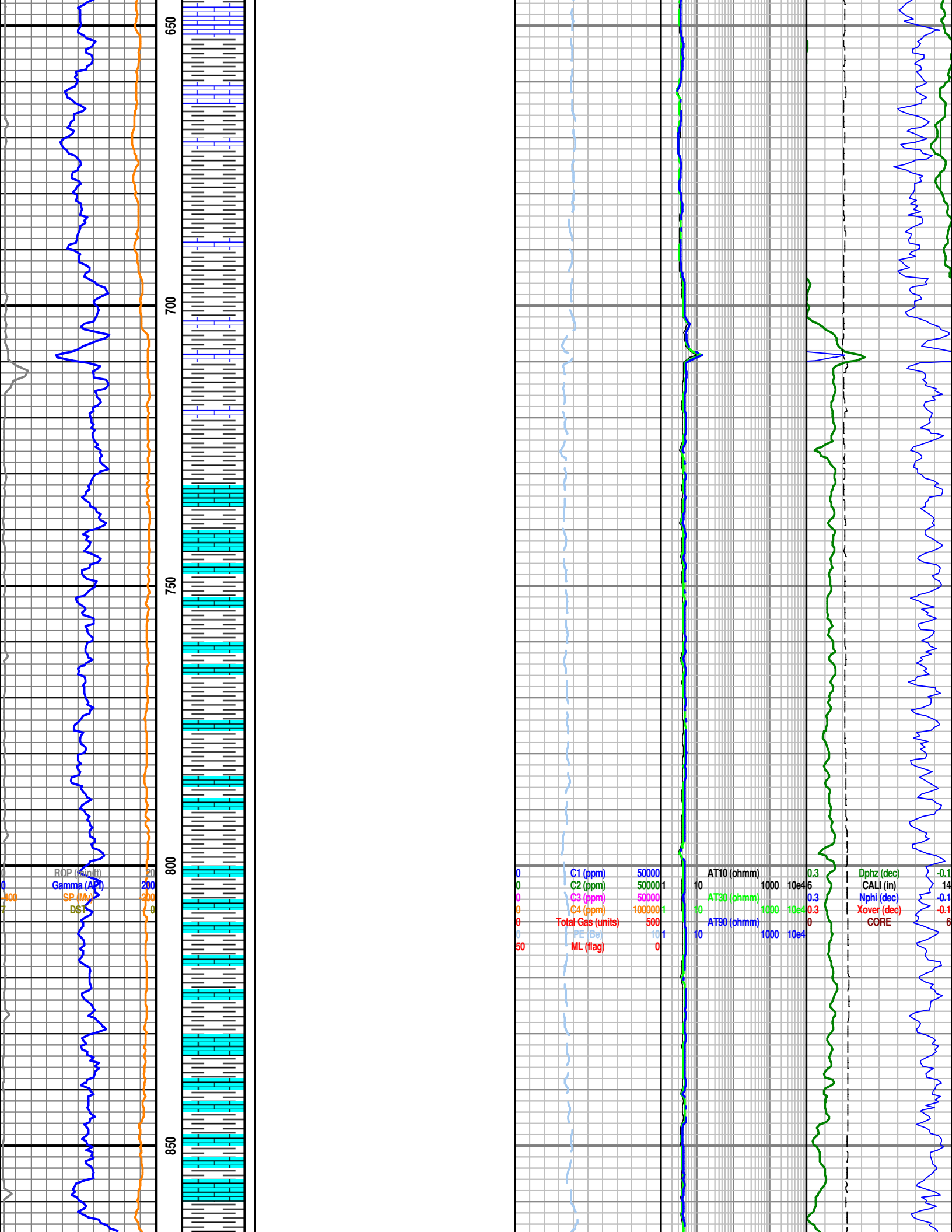
	ss_fg+		Clyst		Lmst		Shgy
	Carb sh		Coal		Meta		Ss
	Anhy		Congl		Mrlst		Till
	Bent		Dol		Salt		sltst
	Brec		Gyp		Shale		anhy1
	Cht		Igne		Shcol		chalk

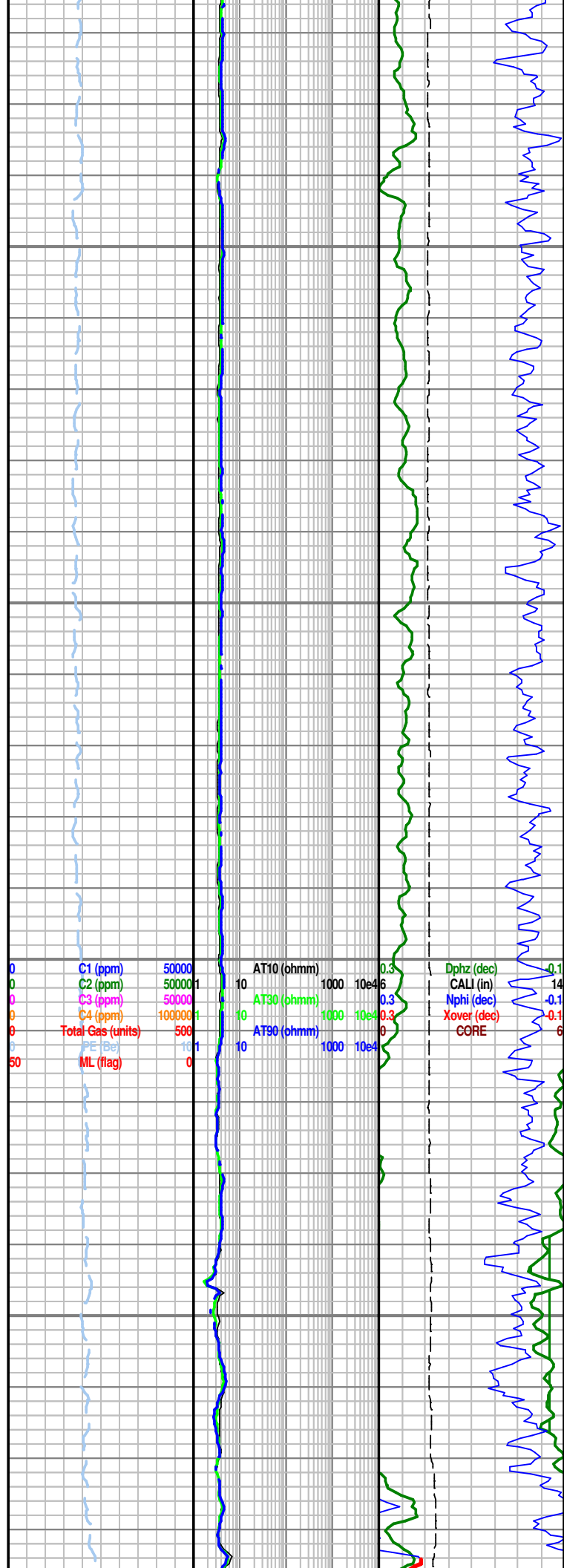
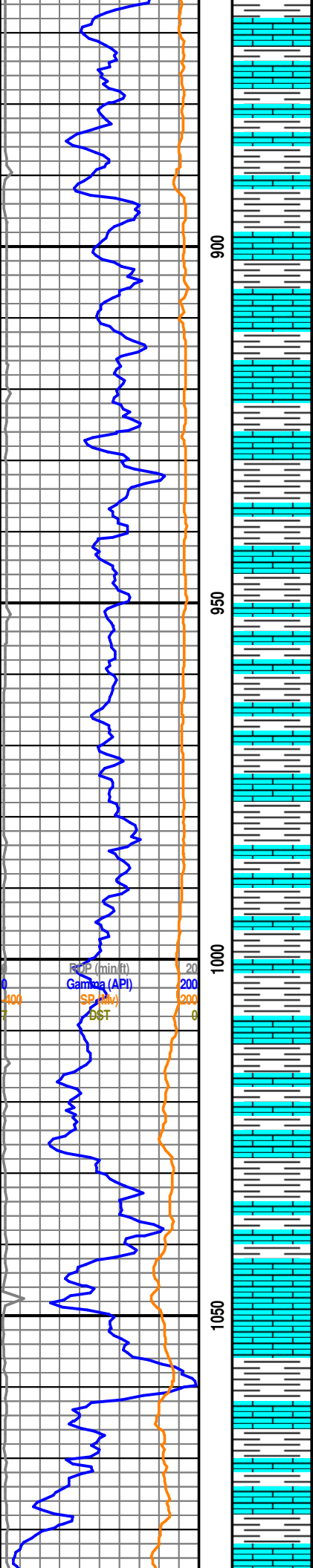
MINERAL	Pyr	Marl	Coral	Dol
Anhy	Minxl	Crin	Gyp	
Arggrn	Nodule	Echin	Ls	
Arg	Phos	Fish	Mrst	
Bent	Pyr	Foram	Sltstrg	
Bit	Salt	Fossil	Ssstrg	
Brecfrag	Sandy	Gastro		
Calc	Silt	Oolite	TEXTURE	
Carb	Sil	Ostra	Boundst	
Chtdk	Sulphur	Pelec	Chalky	
Chtlt	Tuff	Pellet	Cryxln	
Dol	FOSIL	Pisolite	Earthy	
Feldspar	Algae	Plant	Finexln	
Ferrpel	Amph	Strom	Grainst	
Ferr	Belm	STRINGER	Lithogr	
Glau	Bioclst	Anhy	Microxln	
Gyp	Brach	Arg	Mudst	
Hvymin	Bryozoa	Bent	Packst	
Kaol	Cephal	Coal	Wackest	

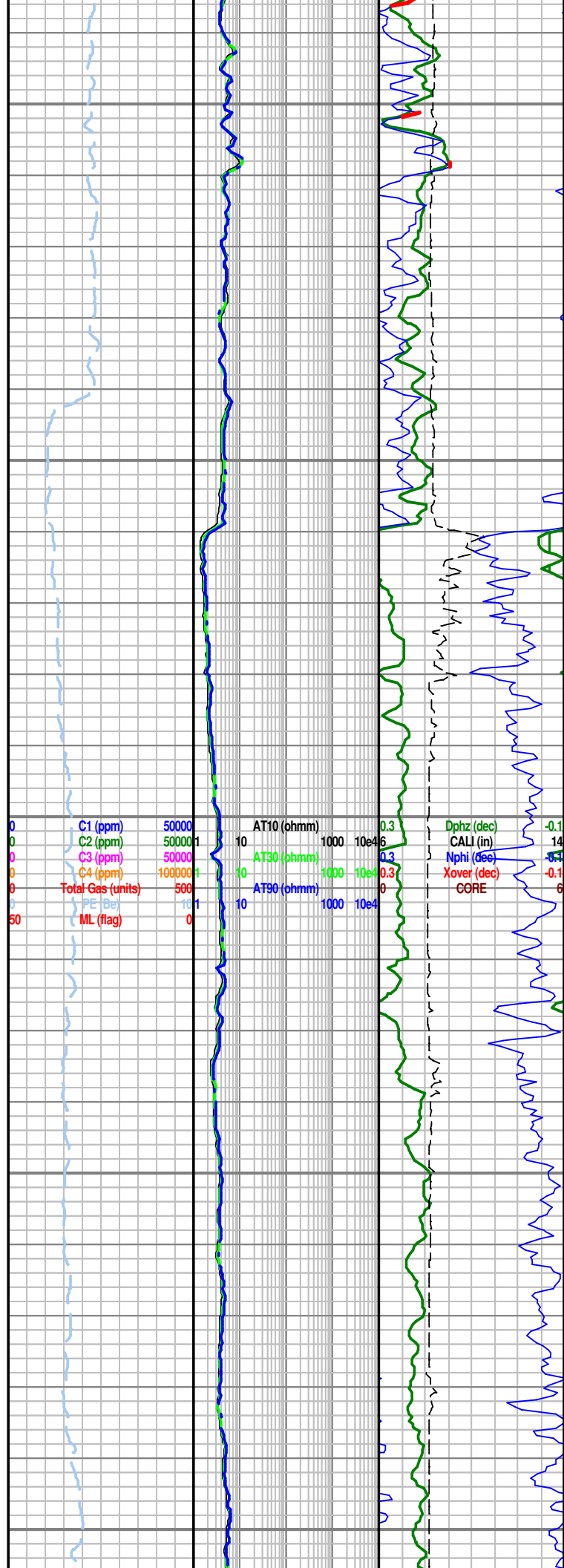
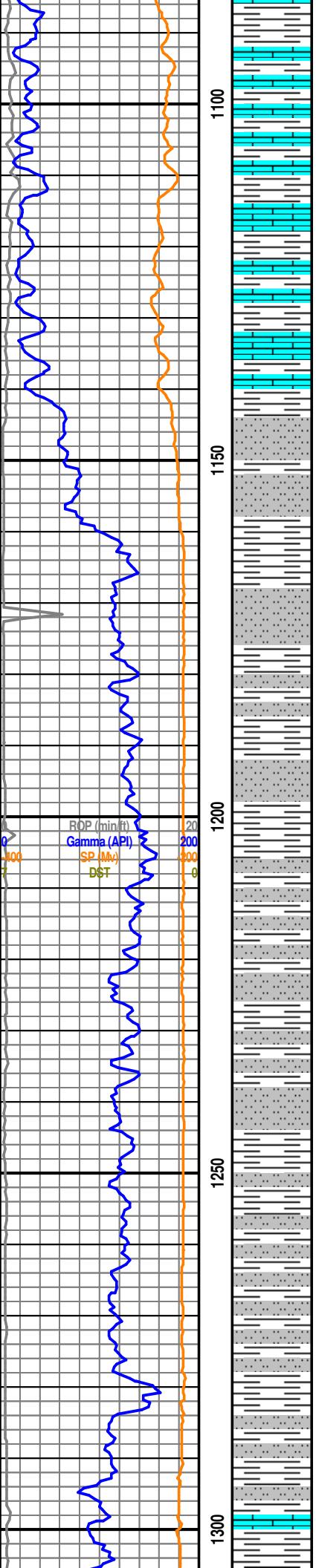
POROSITY TYPE	Moderate	near even	Sidewall
Earthy	Poor	Ques	New bit casing
Fenest	ROUNDING	Dead	casing casing
Fracture	Rounded	vspotty	Survey
Inter	Subrnd	INTERVALS	Off bottom
Moldic	Subang	Core	conn
Organic	Angular	Dst	perfs
Pinpoint	OIL SHOWS	casing	Survey(red)
Vuggy	Even	EVENTS	
SORTING	Spotted	Rft	
Well			

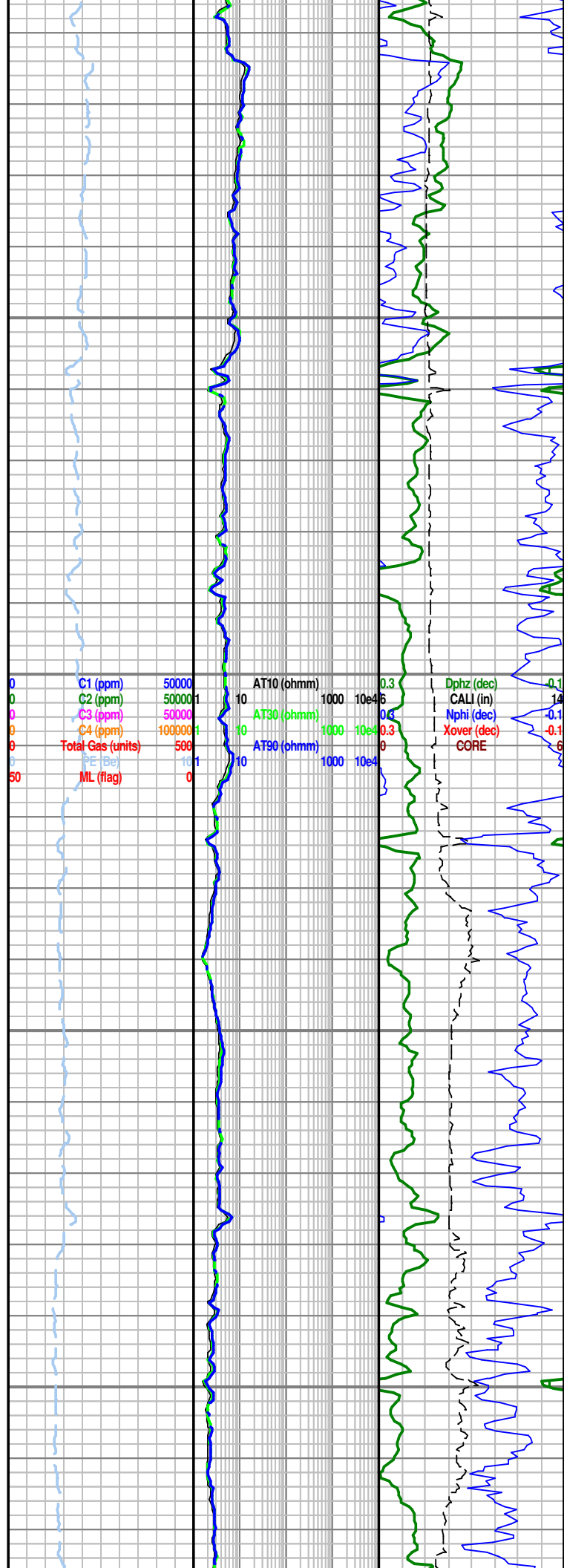
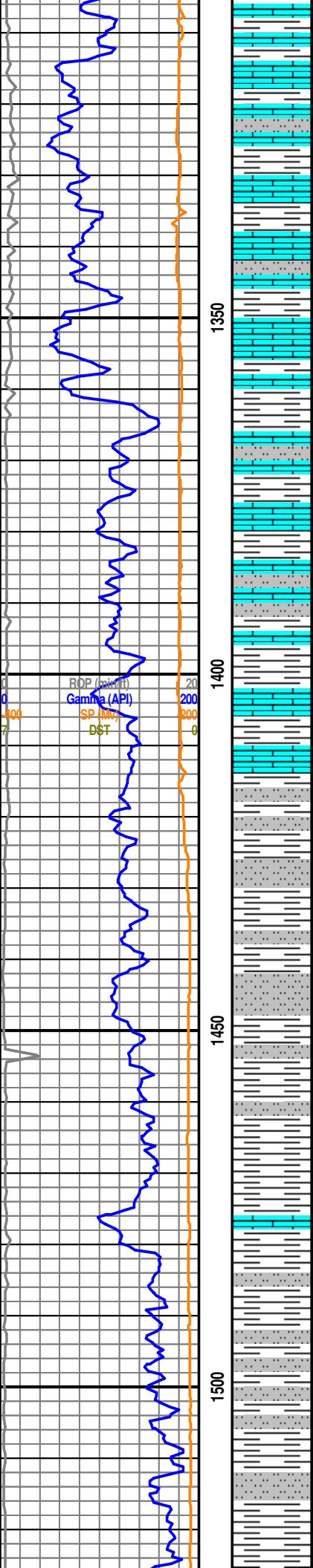




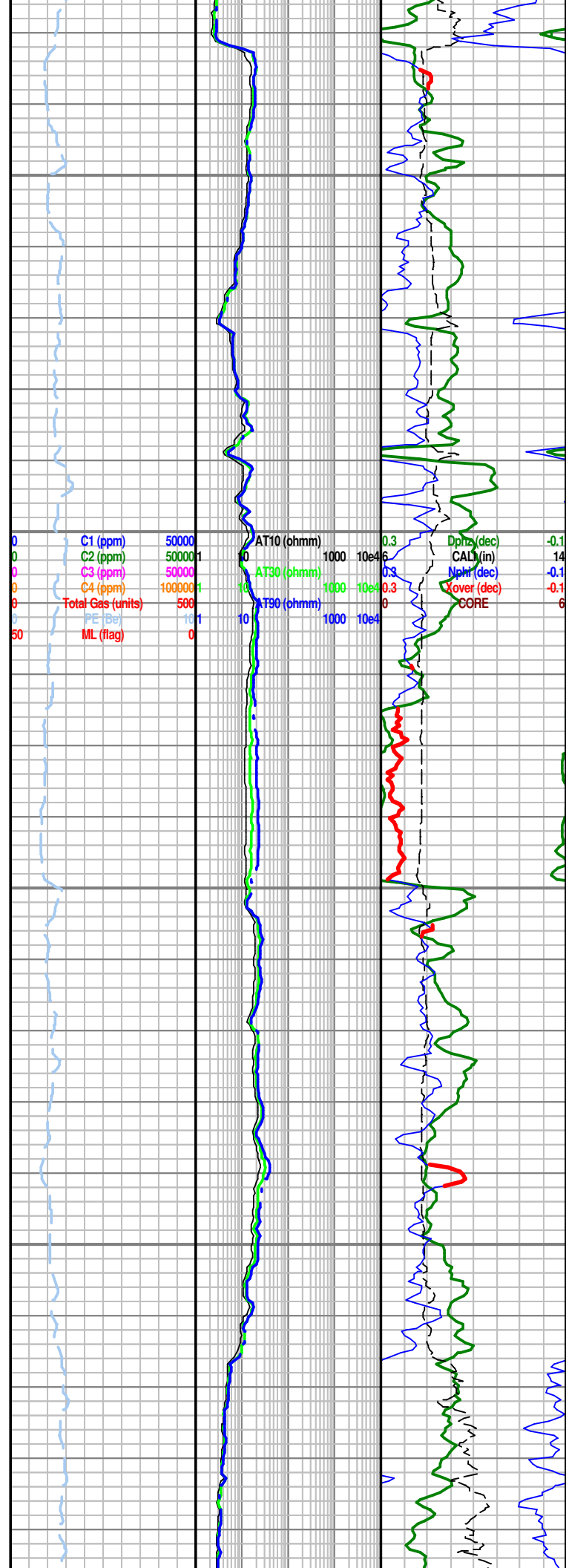
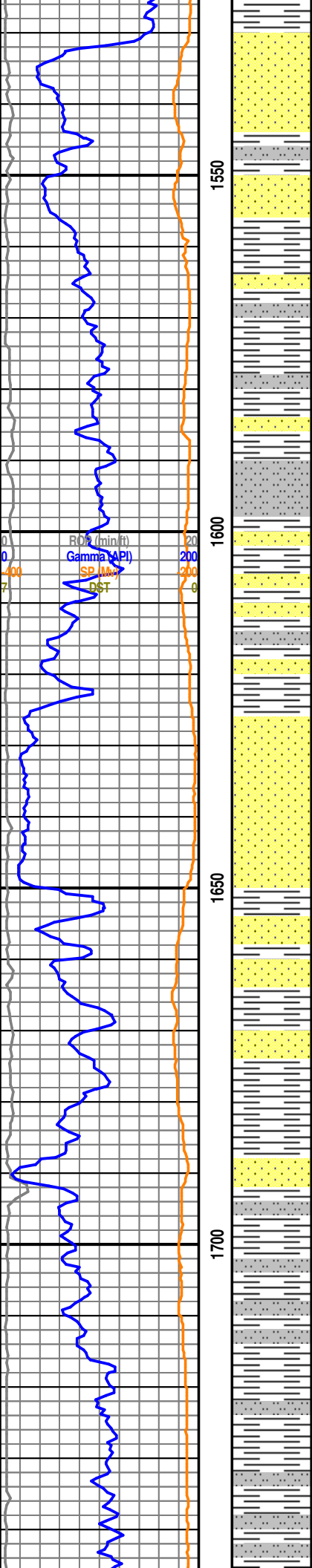


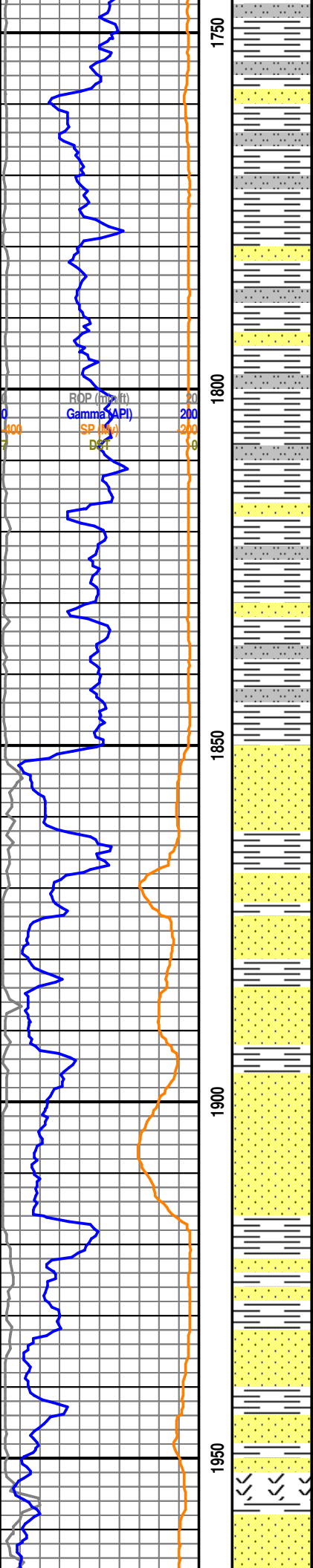




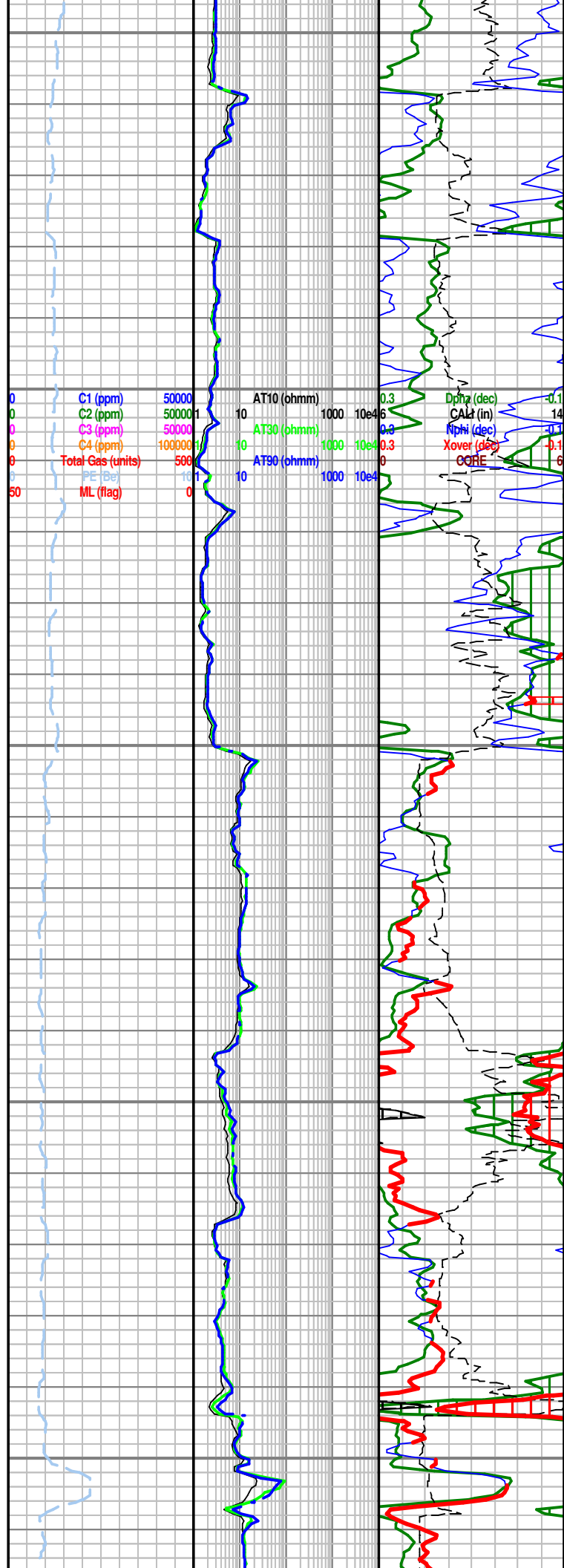


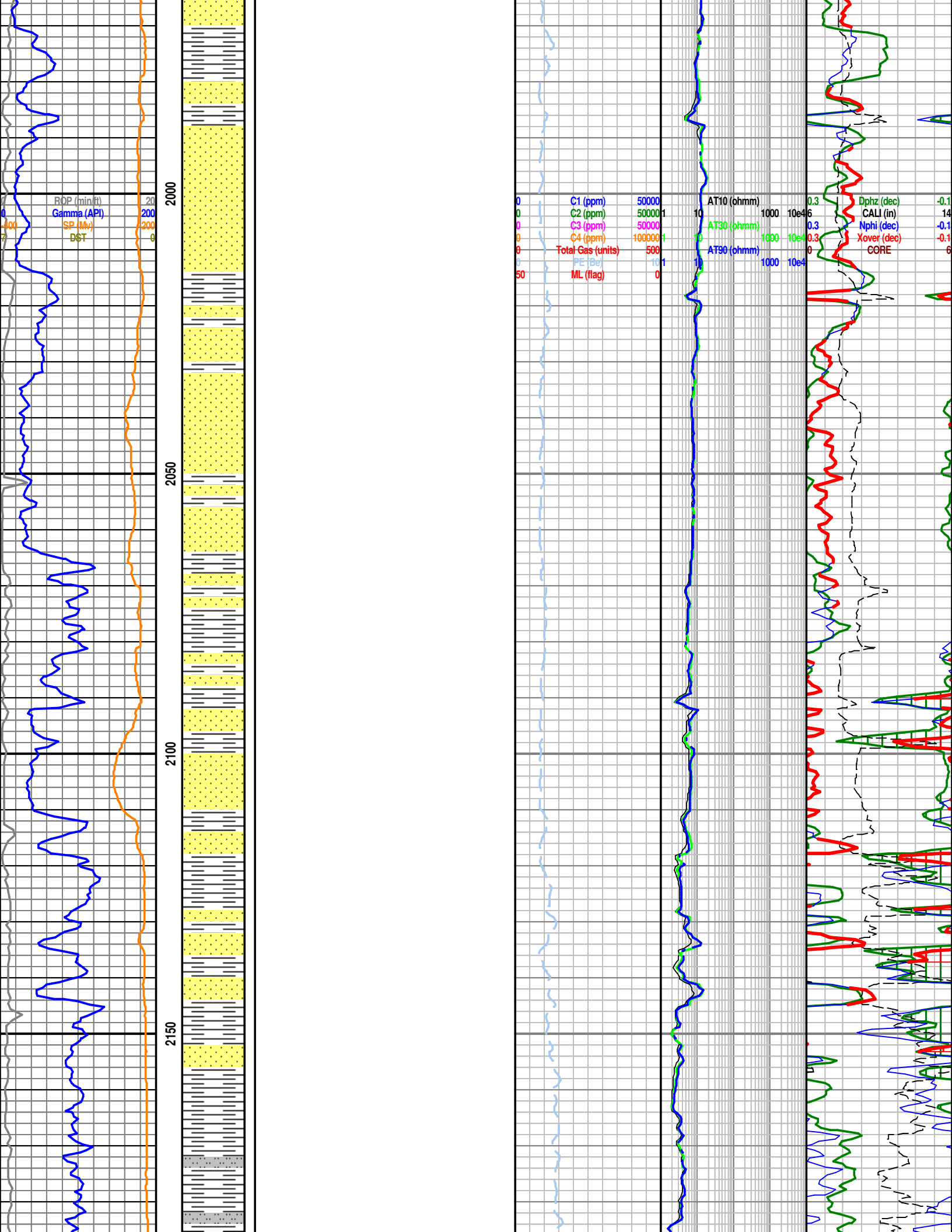
Dakota SS @ log 1531' (+2722)

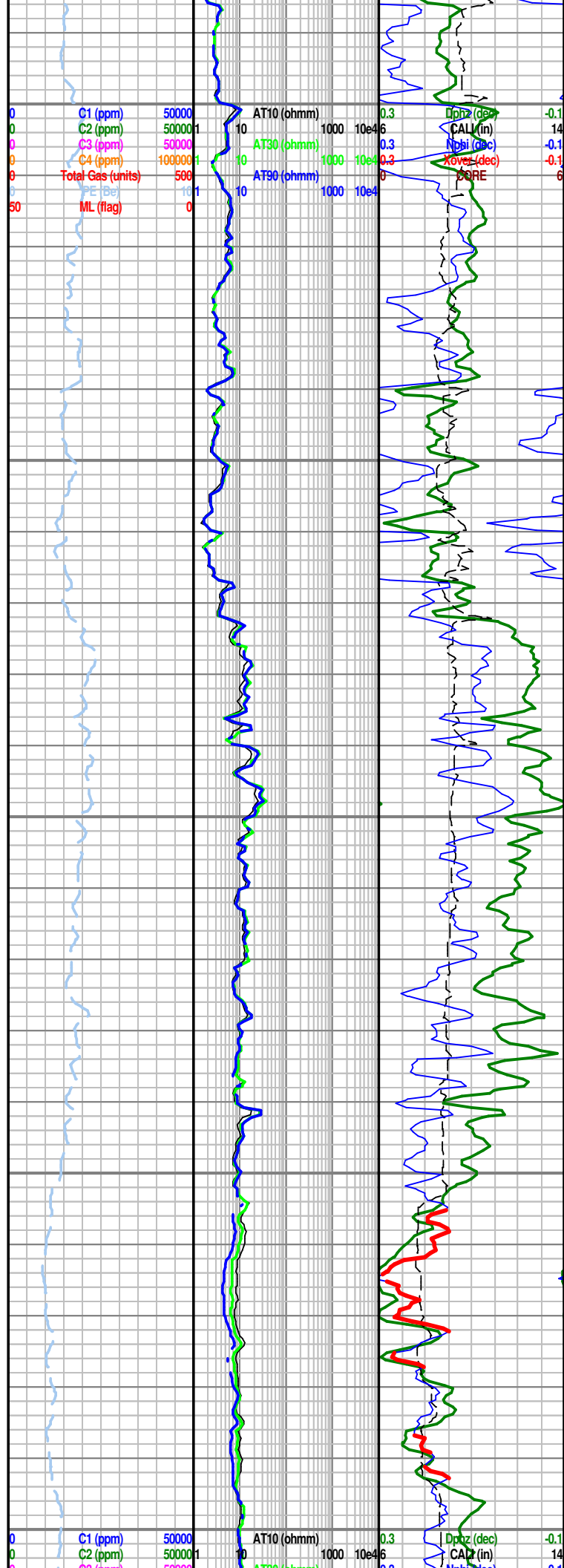
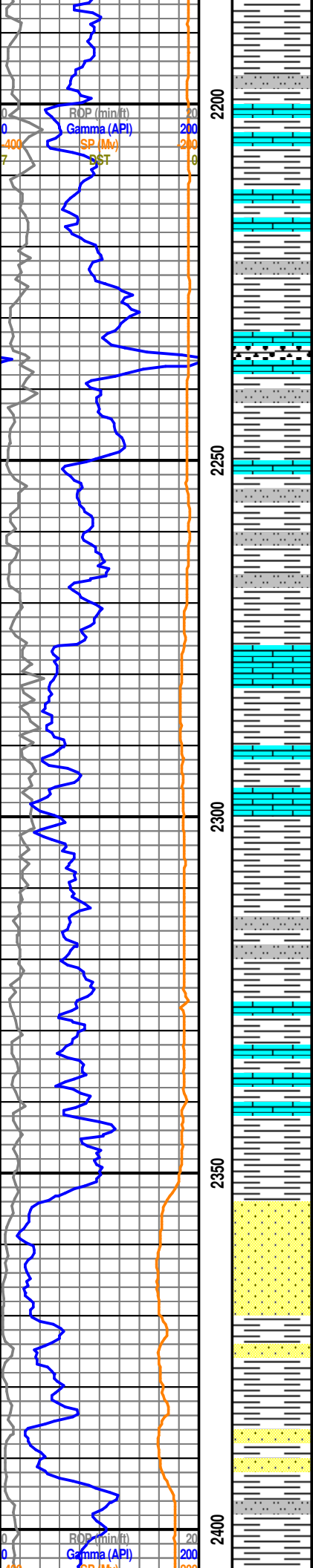


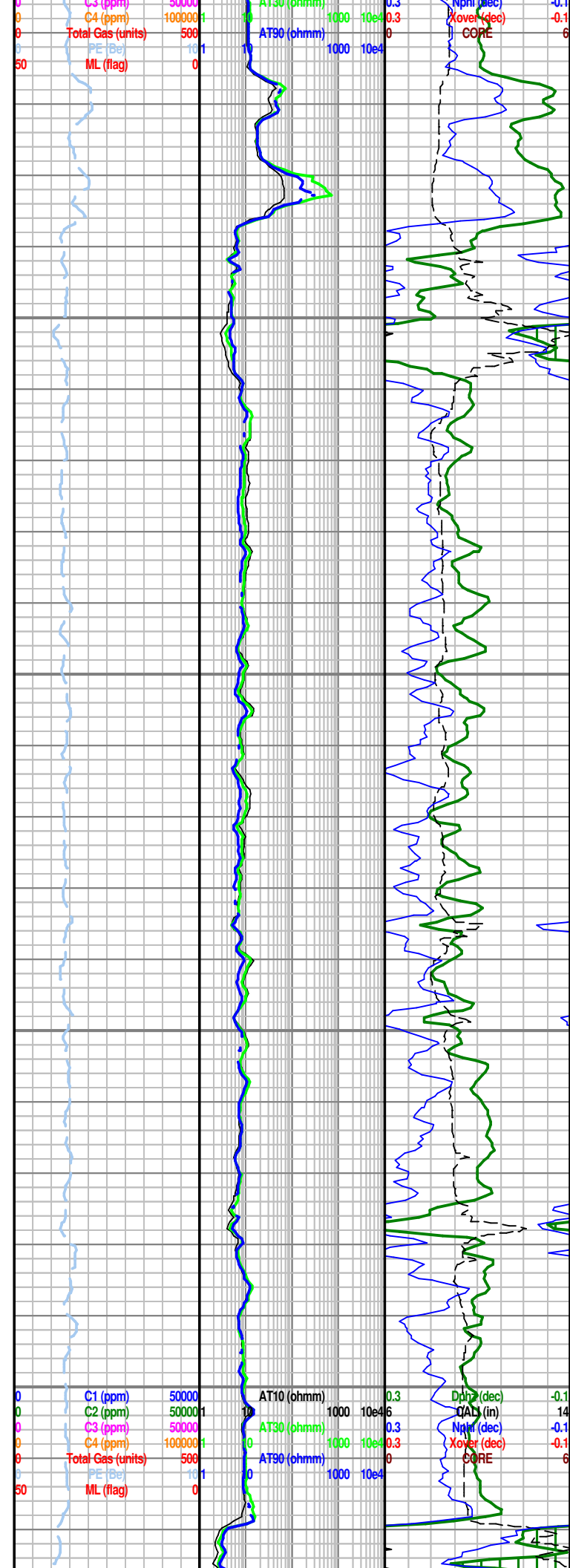
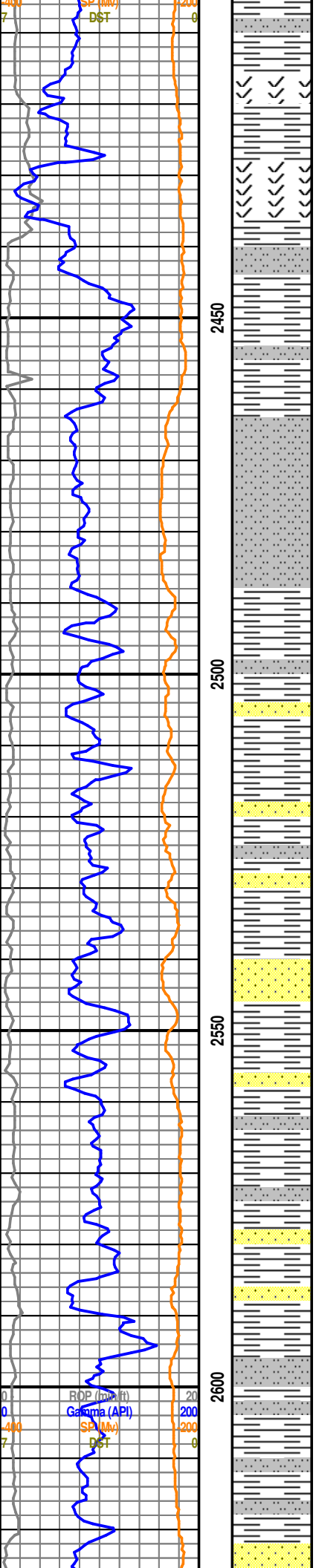


Cheyenne SS @ log 1850' (+2403)

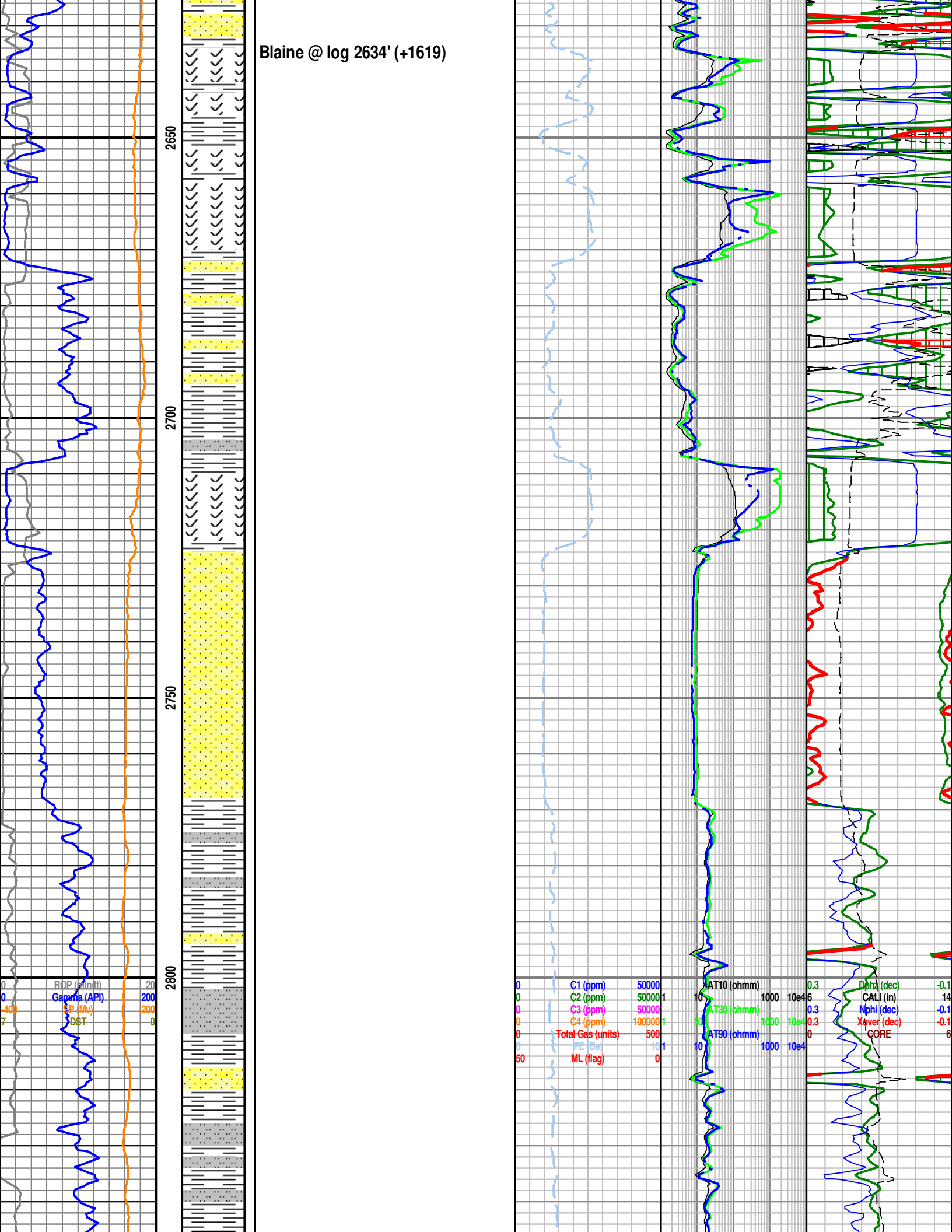


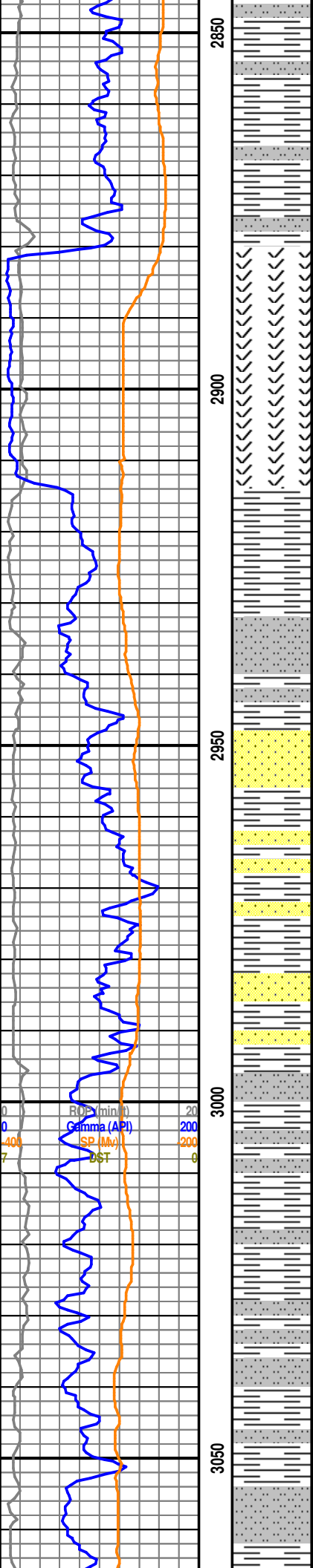




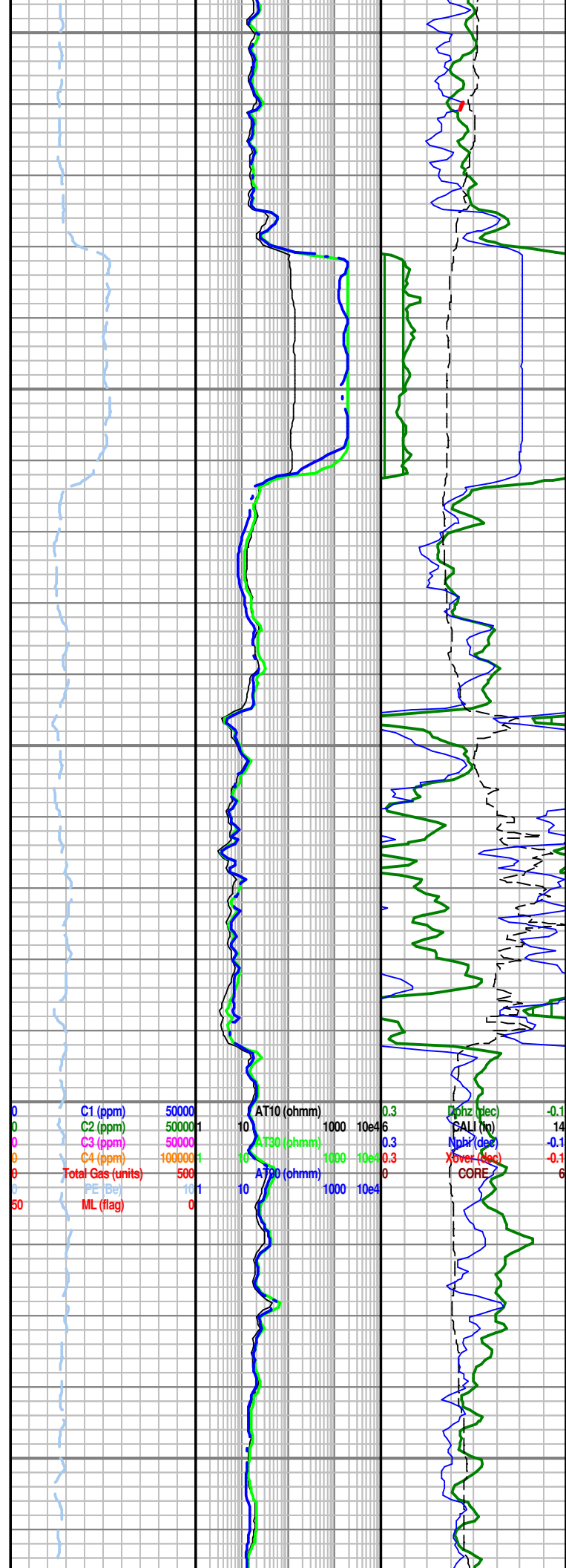


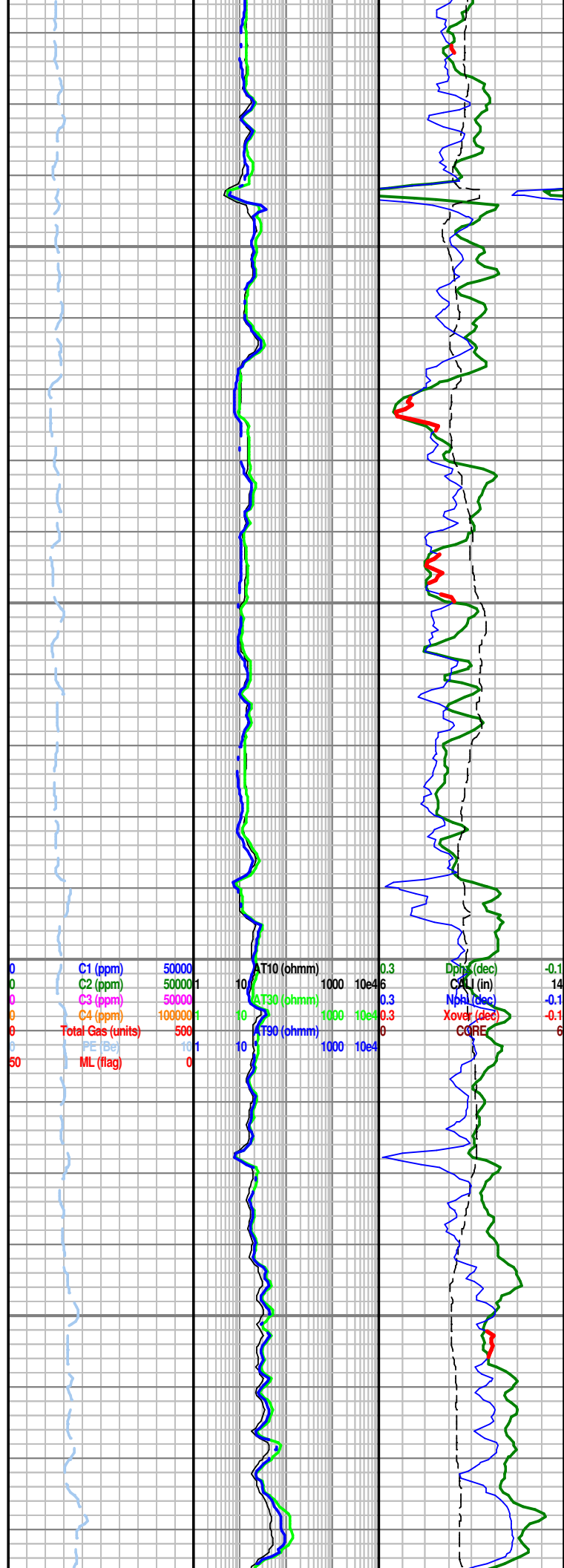
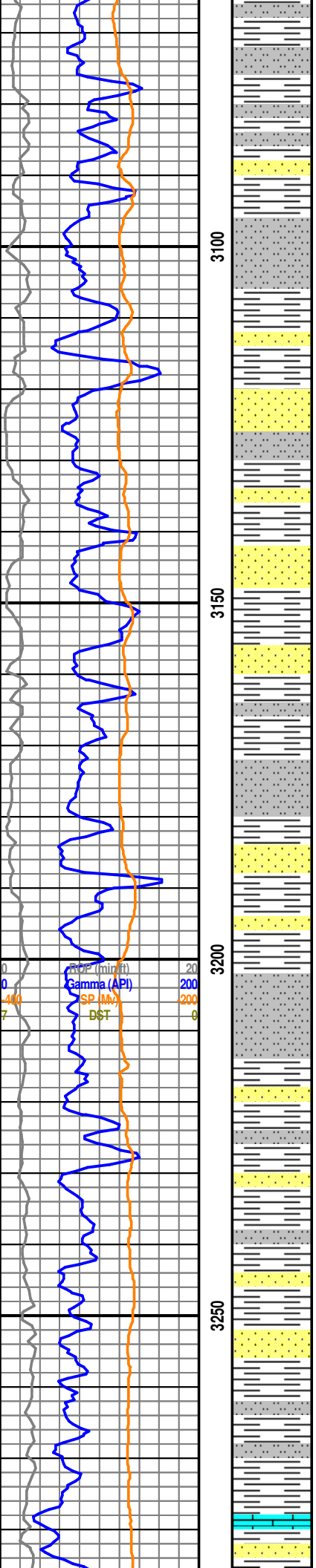
Blaine @ log 2634' (+1619)

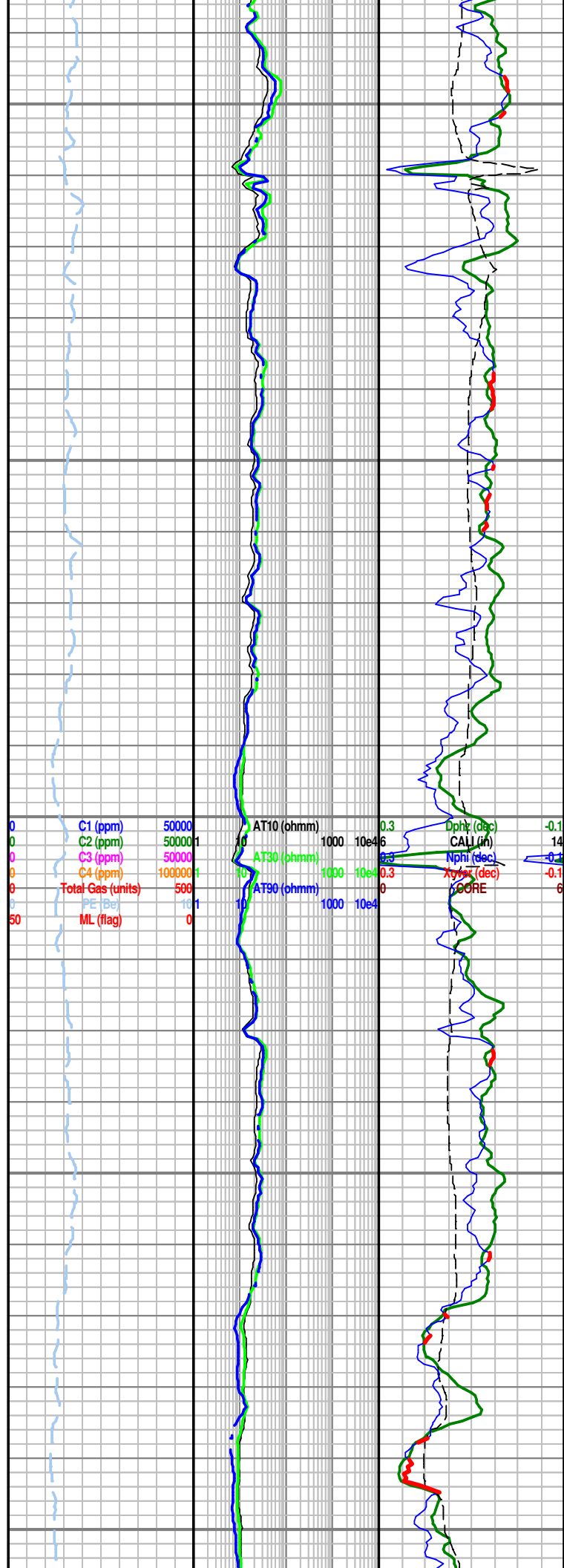
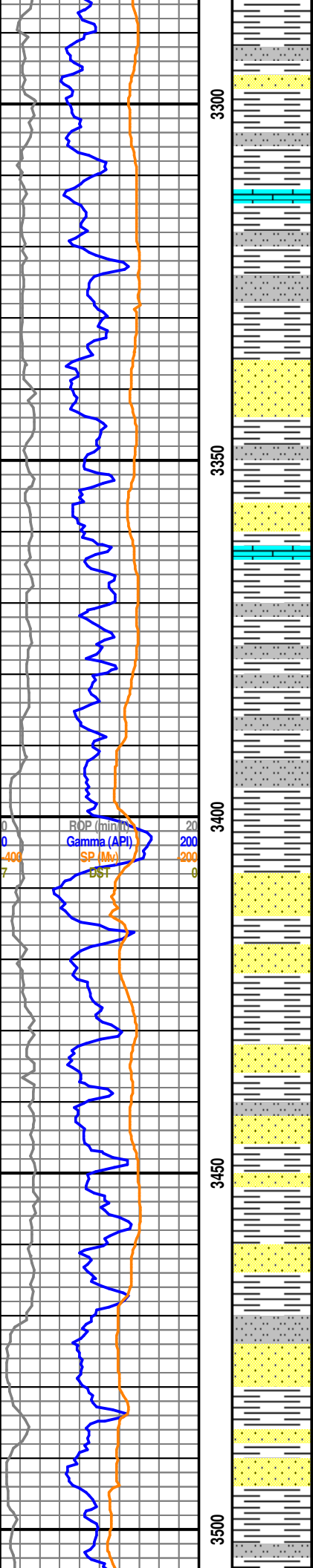


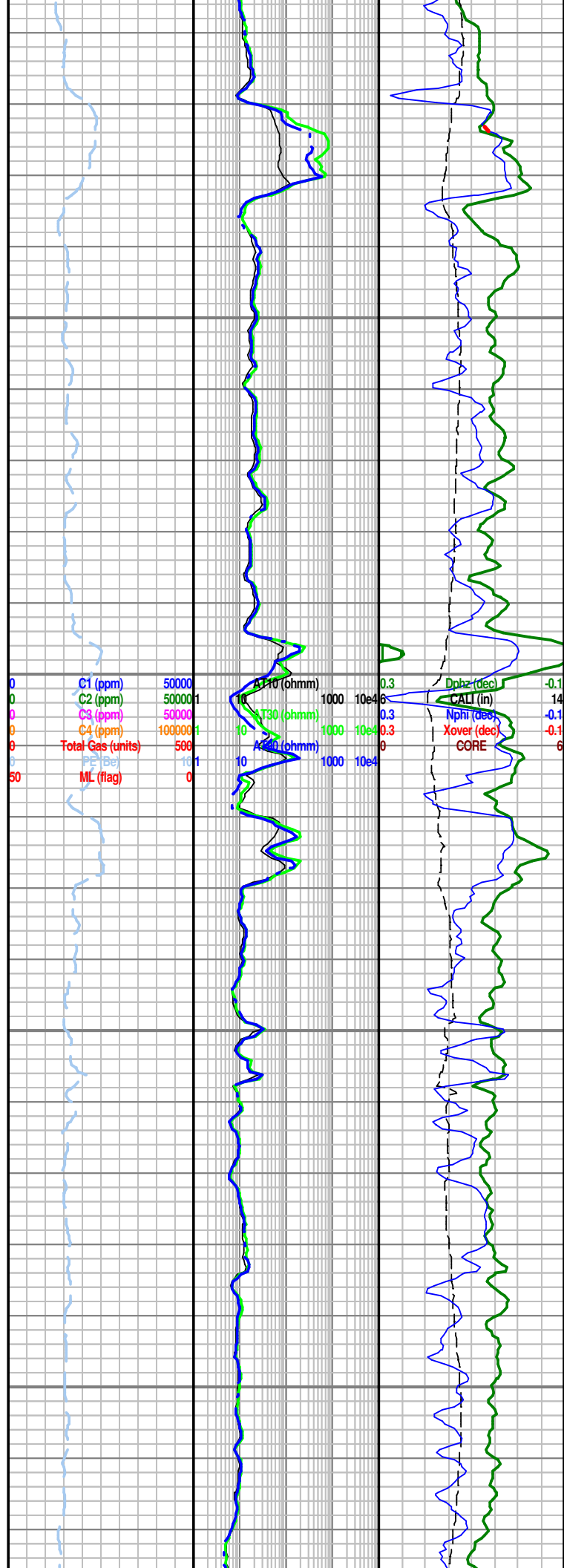
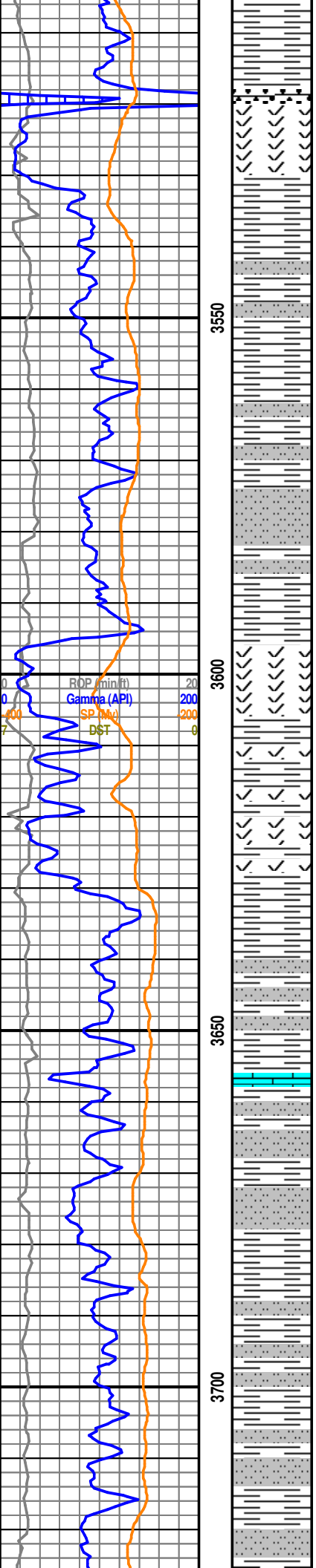


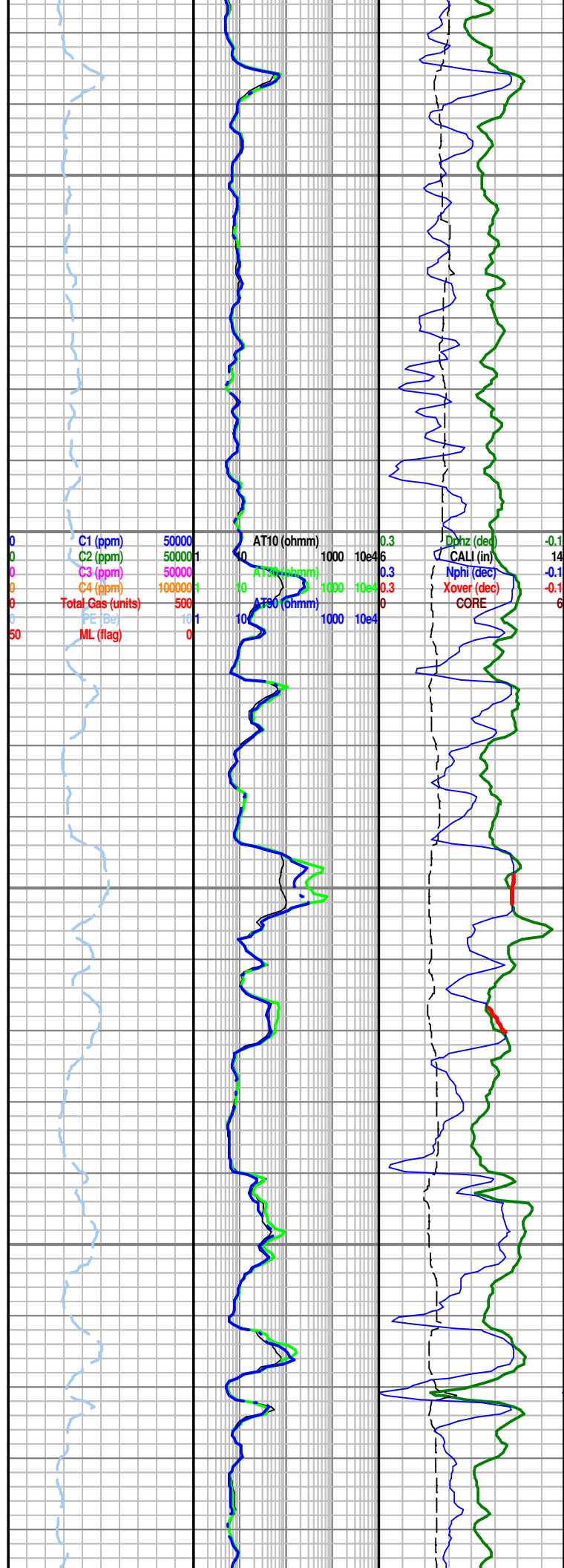
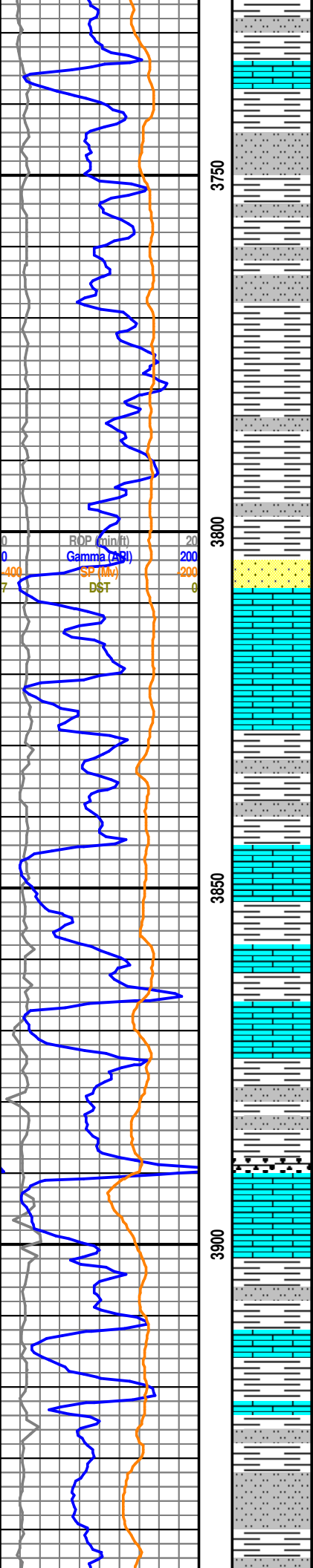
Stone Corral @ log 2880' (+1373)

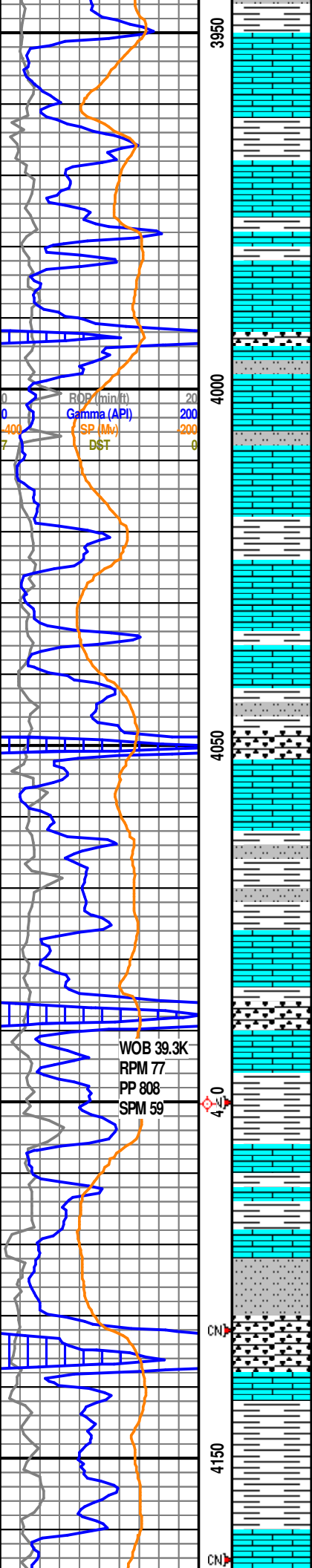












Lithology above 4100' interpreted by log curves and correlation!

Bit #3 7 7/8", HTC GX-28C, SN 5212429, Jets 3X15s, DI 2839', DO 4647', Ftge 1808', Hrs 76.8

VIS 52 WT 8.8

SURVEYINC 2.0 deg

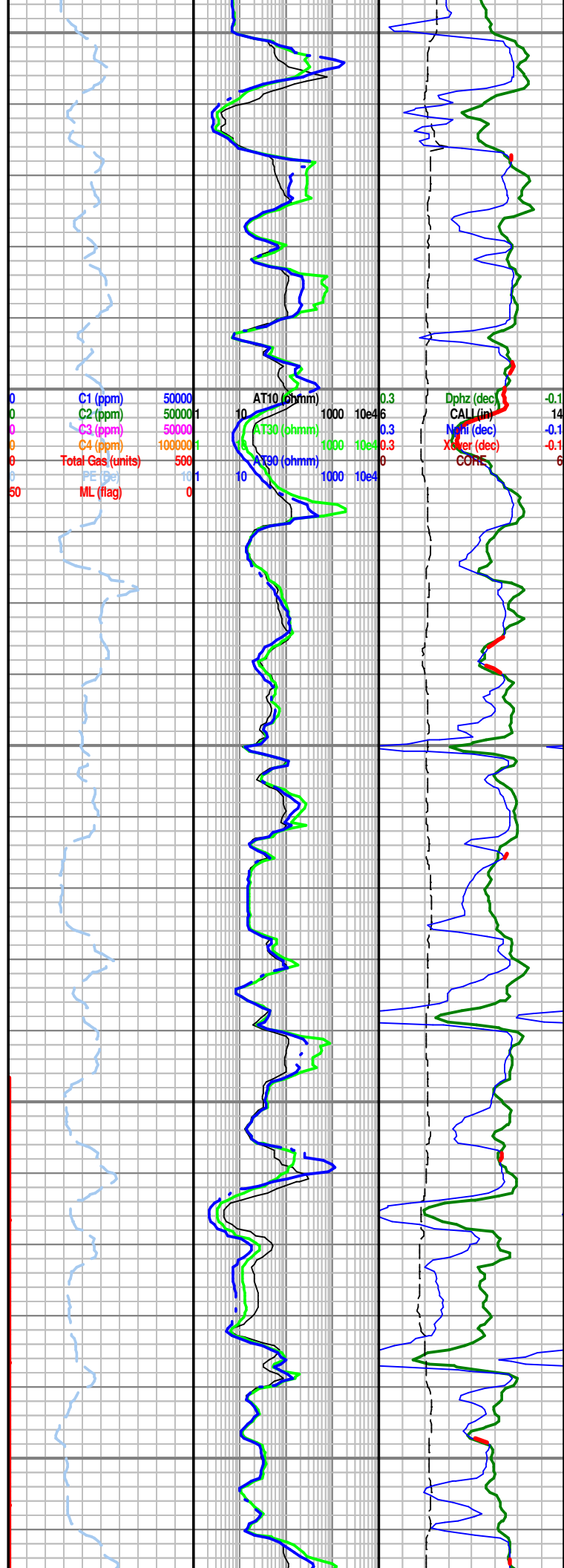
SH (30%): dk gy tr bri red, sb plty, fri, v slty

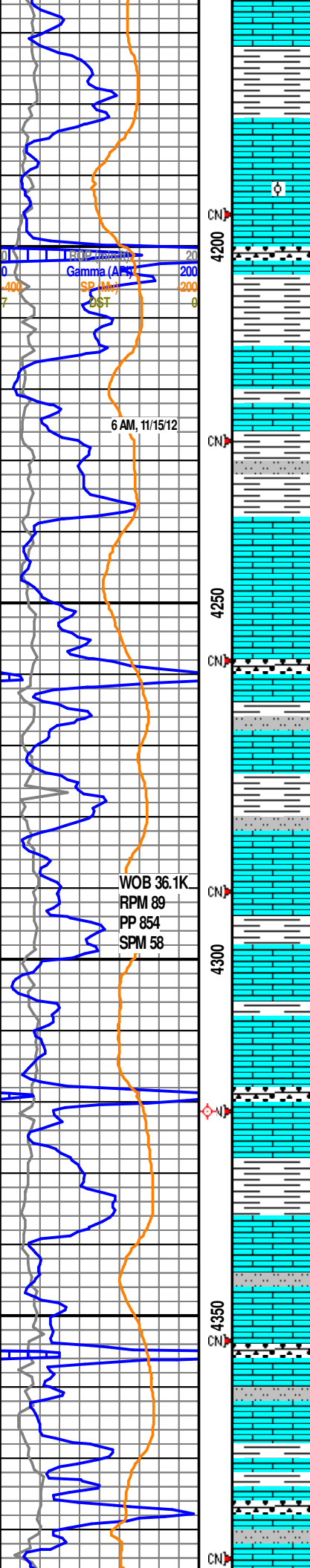
LS (50%): lt gy-dk gy sm tan-cream mot, microxl, fri, no est visual por, dull yel (mineral) flr, NSOC

Heebner Shale @ log 4131' (+122)

CARB SH (30%): dk gy-blk, sb plty-sb blk, fri, sl slty

SH (40%): lt gy-dk gy sme bri red, sb plty, fri, v slty





Lansing @ log 4182' (+71)

LS (70%): bcm lt gy-lt tan, micro xl, v hd, slool w/ chk matrix and calc infill, no est visual por, dull yel (mineral) flor, NSOC

SH (30%): lt gy-dk gy sme bri red, sb plty, v hd, slty

LS (85%): lt gy-cream mot, microxl, sft-fri, no est visual por, dull yel (mineral) flor, NSOC

SLTST (10%): lt red/brn, vfg, brit, arg

LS (90%): lt gy-dk gy sme tan-cream mot, microxl, hd, no est visual por, dull yel (mineral) flor, NSOC

LS (80%): lt gy-off whi sm tan-cream mot, microxl, brit-hd, no est visual por, dull yel (mineral) flor, NSOC

CARB SH (10%): dk gy-blk, sb plty-sb blk, fri, sl slty

SLTST (15%): dk red/brn, vfg, brit, arg

LS (80%): lt gy-off whi sm tan-cream mot, microxl, hd, no est visual por, dull yel (mineral) flor, NSOC

VIS 45 WT 8.8

LS (90%): lt gy-off whi sm tan-cream mot, microxl, hd, no est visual por, dull yel (mineral) flor, NSOC

CARB SH (5%): dk gy-blk, sb plty-sb blk, fri, slty

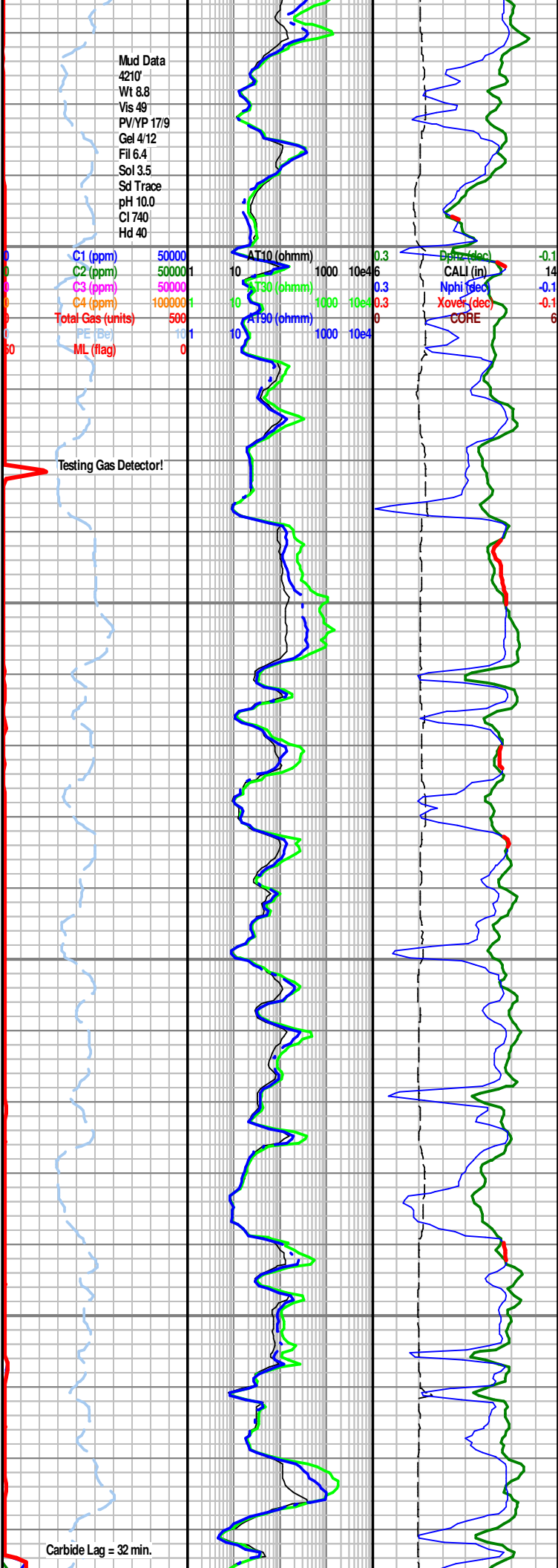
SURVEYINC 1.36 deg

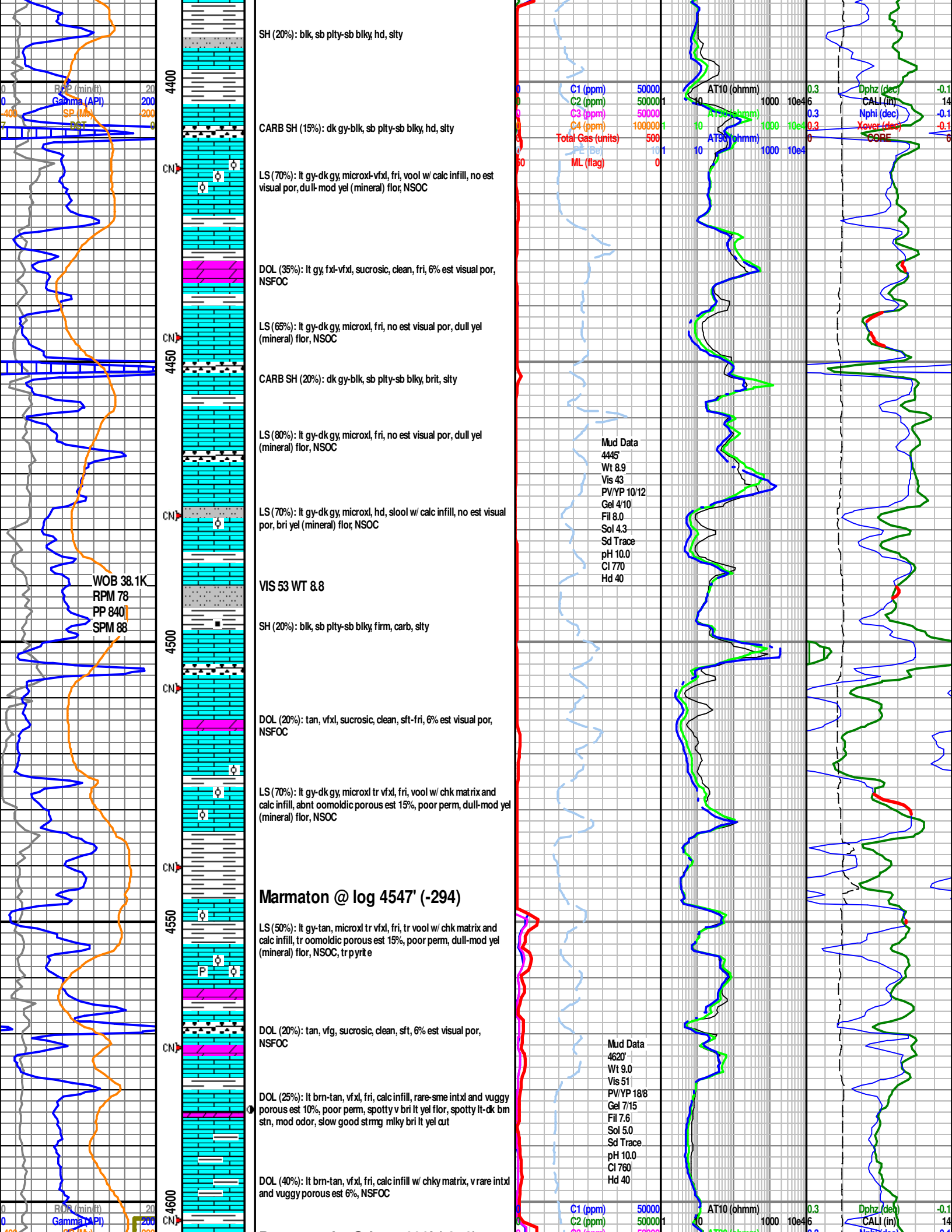
LS (80%): lt gy-off whi sm tan-cream mot, microxl, v hd, no est visual por, dull yel (mineral) flor, NSOC

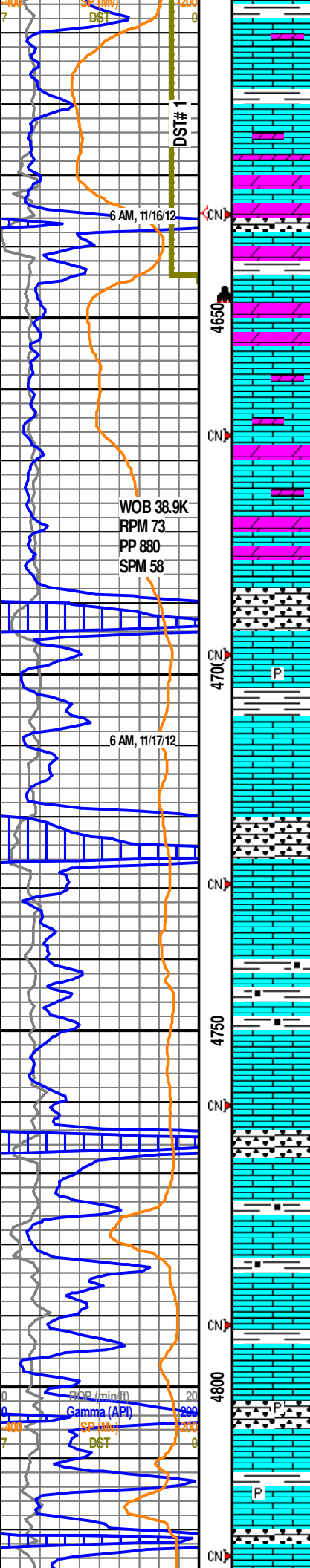
CARB SH (5%): dk gy-blk, sb plty-sb blk, sft, v slty

LS (70%): off whi sm tan-cream mot, microxl, fri, no est visual por, dull yel (mineral) flor, NSOC

LS (80%): off whi sm tan-cream mot, microxl, fri, no est visual por, bcm bri yel (mineral) flor, NSOC







Pawnee mbr @ log 4609' (-356)

DOL LS (65%): lt gy-tan, microxl tr vfxl, fri, calc infill, rare intxl and vuggy porous est 10-12%, v spotty v bri lt yel flor, v spotty lt brn stn, wk odor, slow v wk-mod strmg resid ring lt yel cut

SURVEYINC 1.95 deg

DOL LS (65%): lt gy-tan, vfxl, fri, calc infill, tight, rare intxl and vuggy porous est 6%, spotty v bri lt yel flor, spot ty lt-dk brn stn, mod odor, slow wk-mod strmg lt yel cut

Ft. Scott mbr @ log 4644' (-391)

DST #1, 4606'-4647' Log (4603'-4644')
Conventional BH
Times: 15-30-60-90
1st open-built to 5 1/2' in 15 min., 2nd open-BOB in 55 min. and held
Recovered 80' of SGOCMW, 120' of SGMCW
Sampler: 120ml Oil, 230ml Mud, 1650ml Water, 51k Cl
ISI 1269 FSI 1256

DOL LS (25%): lt gy-tan, vfxl, fri, calc infill, tight, rare intxl and vuggy porous est 6-8%, spotty v bri lt yel flor, spotty lt-dk brn stn, mod odor, slow wk-mod strmg lt yel cut (possible cavings)

Bit #3RR 7 7/8", HTC GX-28C, SN 5212429, Jets 3X15s, DI 4647', DO 5445', Ftge 798', Hrs 48.7

Cherokee @ log 4689' (-436)

VIS 51 WT 9.0

LS (75%): lt gy, microxl, fri, calc infill, no est visual por, tr v spotty v bri lt yel flor, v slow mod strmg resid ring lt yel cut, tr dism pyrite

LS (60%): lt gy, microxl, fri, no est visual por, v dull yel (mineral) flor, NSOC

CARB SH (40%): dk gy-blk, sb plty-sb blk, firm, sl slty

LS (70%): lt gy, microxl, fri, no est visual por, v dull yel (mineral) flor, NSOC

SH (20%): dk gy-blk, sb plty-sb blk, hd, sl slty, carb

SH (30%): dk gy-blk, sb plty-sb blk, firm, sl slty, carb

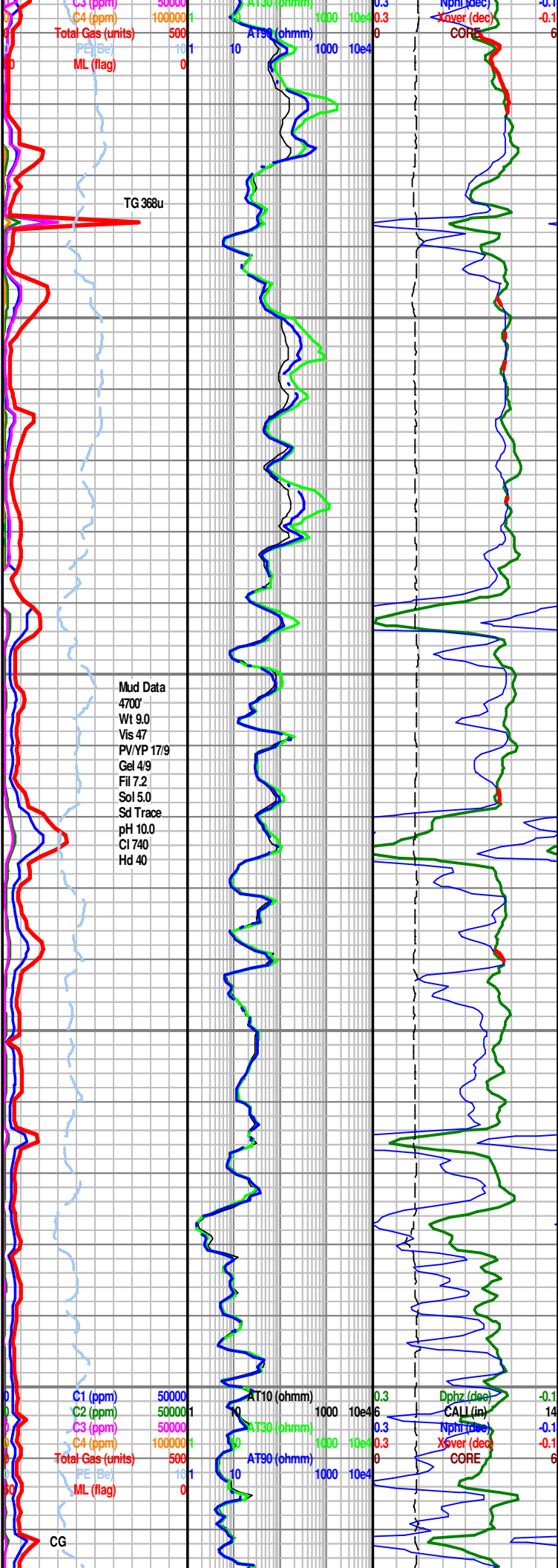
CARB SH (20%): dk gy-blk, sb plty-sb blk, hd, sl slty

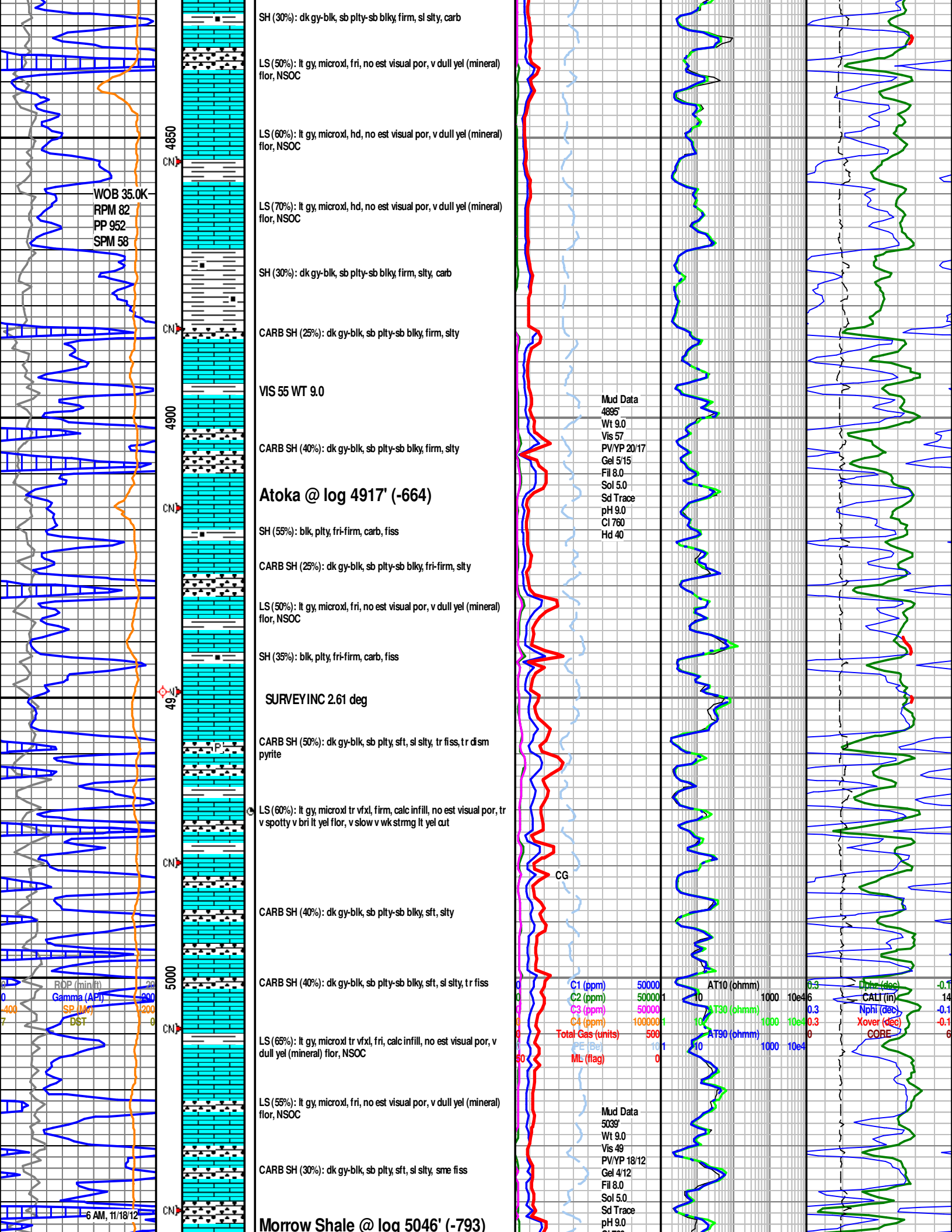
SH (20%): dk gy-blk, sb plty-sb blk, firm, sl slty, carb

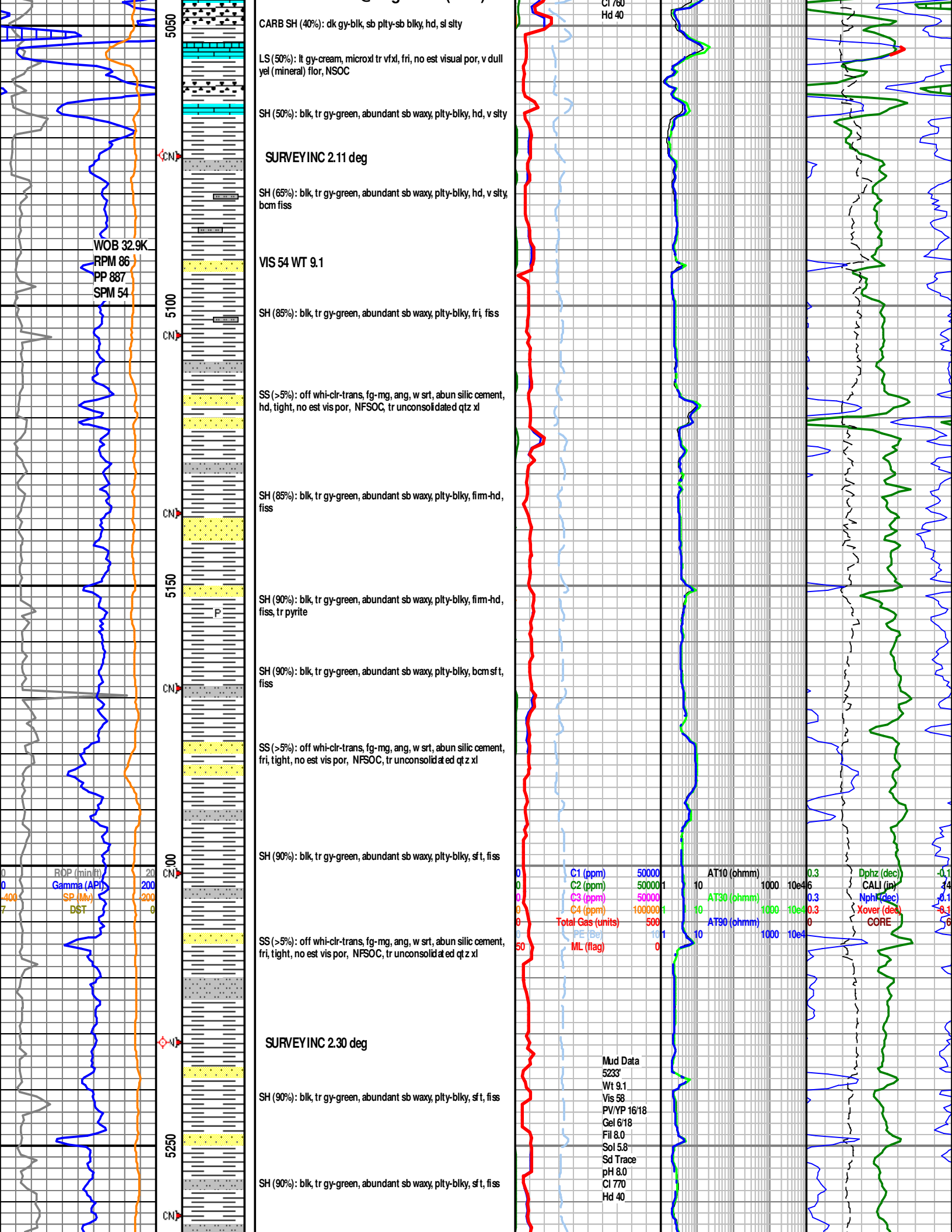
LS (50%): lt gy, microxl sme vfxl, fri, calc infill, no est visual por, tr v spotty v bri lt yel flor, v slow good strmg resid ring lt yel cut

CARB SH (15%): dk gy-blk, sb plty-sb blk, hd, sl slty, tr dism pyrite

LS (80%): lt gy, microxl, firm, no est visual por, v dull yel (mineral) flor, NSOC, tr dism pyrite







CARB SH (40%): dk gy-blk, sb plty-sb blk, hd, sl slty

LS (50%): lt gy-cream, microxl tr vfxl, fri, no est visual por, v dull yel (mineral) flor, NSOC

SH (50%): blk, tr gy-green, abundant sb waxy, plty-blky, hd, v slty

SURVEYINC 2.11 deg

SH (65%): blk, tr gy-green, abundant sb waxy, plty-blky, hd, v slty, bcm fiss

VIS 54 WT 9.1

SH (85%): blk, tr gy-green, abundant sb waxy, plty-blky, fri, fiss

SS (>5%): off whi-clr-trans, fg-mg, ang, w srt, abun silic cement, hd, tight, no est vis por, NFSOC, tr unconsolidated qtz xl

SH (85%): blk, tr gy-green, abundant sb waxy, plty-blky, firm-hd, fiss

SH (90%): blk, tr gy-green, abundant sb waxy, plty-blky, firm-hd, fiss, tr pyrite

SH (90%): blk, tr gy-green, abundant sb waxy, plty-blky, bcm sft, fiss

SS (>5%): off whi-clr-trans, fg-mg, ang, w srt, abun silic cement, fri, tight, no est vis por, NFSOC, tr unconsolidated qtz xl

SH (90%): blk, tr gy-green, abundant sb waxy, plty-blky, sft, fiss

SS (>5%): off whi-clr-trans, fg-mg, ang, w srt, abun silic cement, fri, tight, no est vis por, NFSOC, tr unconsolidated qtz xl

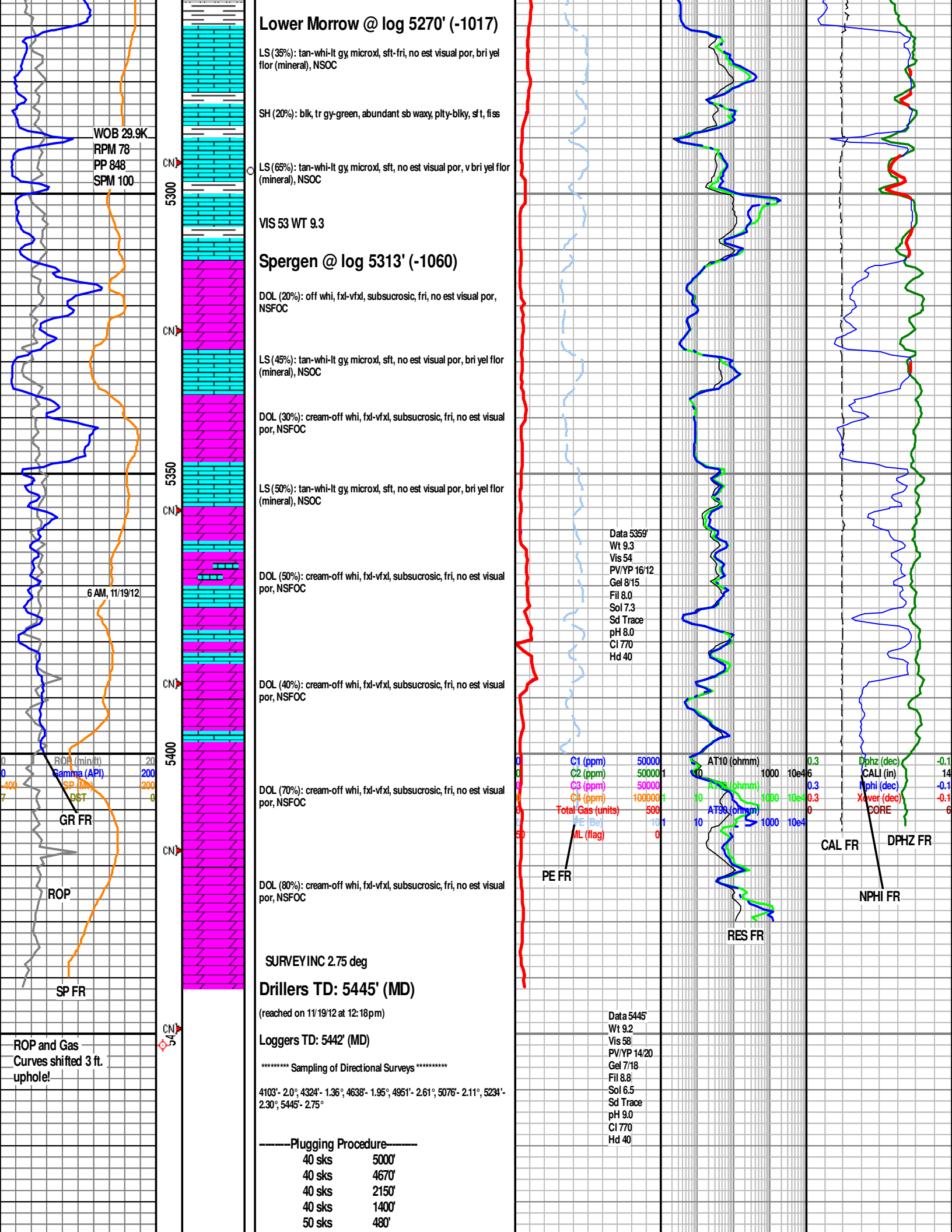
SURVEYINC 2.30 deg

SH (90%): blk, tr gy-green, abundant sb waxy, plty-blky, sft, fiss

SH (90%): blk, tr gy-green, abundant sb waxy, plty-blky, sft, fiss

C1 (ppm) 50000
C2 (ppm) 50000
C3 (ppm) 50000
C4 (ppm) 100000
Total Gas (units) 500
PE (g) 1
ML (flag) 0
AT10 (ohmm) 1000
AT30 (ohmm) 1000
AT80 (ohmm) 1000
Xover (dec) 0.3
CORE 0.3
Dphz (dec) 0.3
CALI (in) 0.3
Nphz (dec) 0.3

Mud Data
5233'
Wt 9.1
Vis 58
PV/YP 16/18
Gel 6/18
Fil 8.0
Sol 5.8
Sd Trace
pH 8.0
Cl 770
Hd 40



[illegible]