

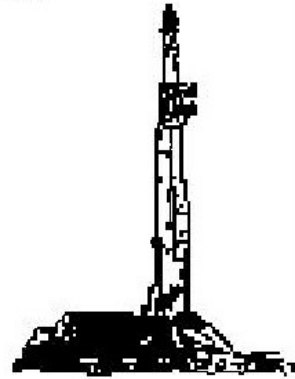
# GOOLSBY BROTHERS and associates, inc.

575 Union Blvd, Suite 208  
Lakewood, CO 80228  
303-945-2860 Office



Geological Wellsite  
Supervision

[www.goolsbybrothers.com](http://www.goolsbybrothers.com)



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

Well Name: Slanovich 32-23P

Location: SWNE Sec 23 T19S R70W, Fremont County, Colorado

License Number: 05-043-06151

Region: Wildcat

Spud Date: 22 March 2012

Drilling Completed:

Surface Coordinates: 2212 FNL 2155 FWL

38.382800 N -105.188300 W

Bottom Hole Coordinates:

Ground Elevation (ft): 5,529'

K.B. Elevation (ft): 5,540'

Logged Interval (ft): 735 To: TD

Total Depth (ft):

Formation: Pierre Shale

Type of Drilling Fluid: LSND Native Mud w/3% Clay Stay

Printed by STRIP.LOG from WellSight Systems 1-800-447-1534 [www.WellSight.com](http://www.WellSight.com)

## OPERATOR

Company: Strata-X

Address:

## GEOLOGIST

Name: Jack R. Rogers

Company: Goolsby Brothers

Address: 575 Union Blvd, Suite

## DST's

## Comments

Conductor Casing 0-40'

2)Surface Casing set @ 725', 9 5/8", 36#, J55 STC, TD 735' float collar 685'

3)Intermediate Casing 0-4000'

4)Lost Circ @



## ROCK TYPES

Anhy  
Bent  
Brec  
Cht  
Clyst  
Coal

Congl  
Dol  
Gyp  
Igne  
Lmst  
Meta

Mrlst  
Salt  
Shale  
Ss  
sltst  
ssbig2

chalk  
Silty\_sh  
Arg ss  
Shale\_carbonaceous

## 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

### OIL SHOWS

Even  
Spotted

near even  
Ques  
Dead  
vspotty  
Stain  
Oil in fracture  
Bubbling  
Bleeding

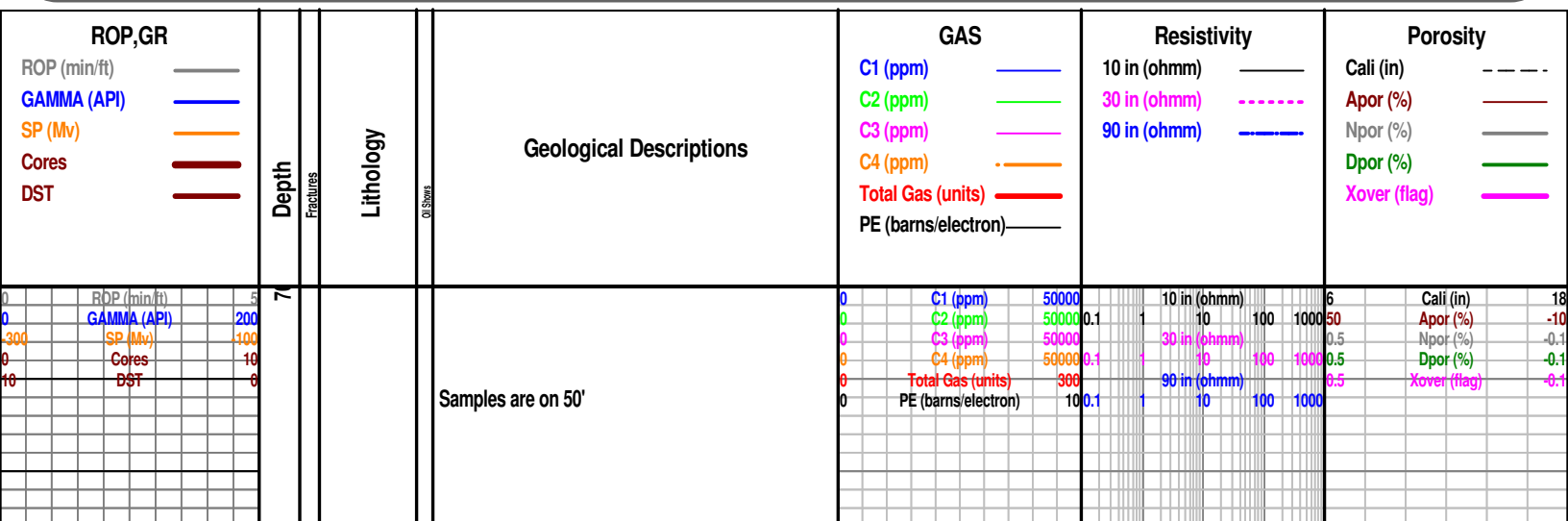
### INTERVALS

Core  
Dst

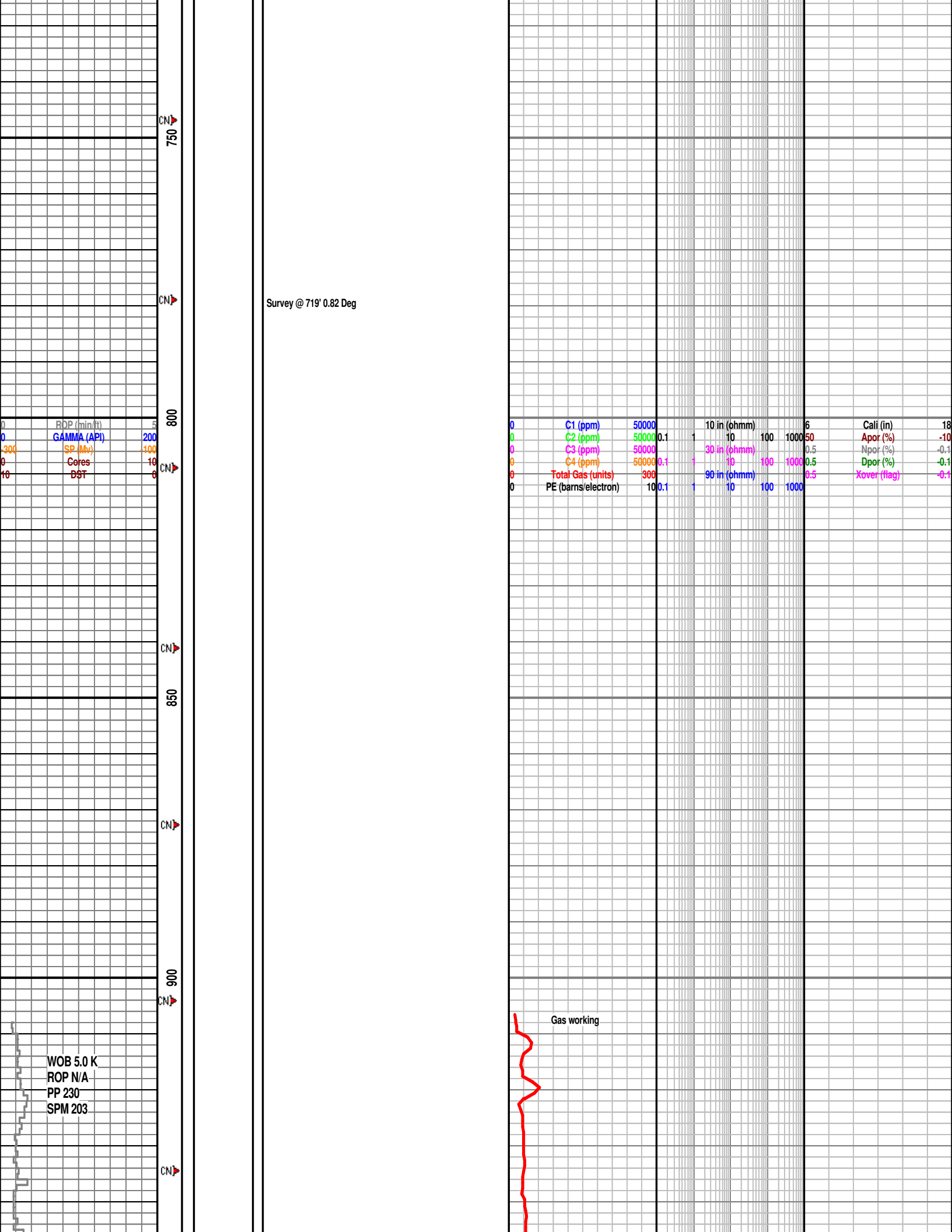
casing

### EVENTS

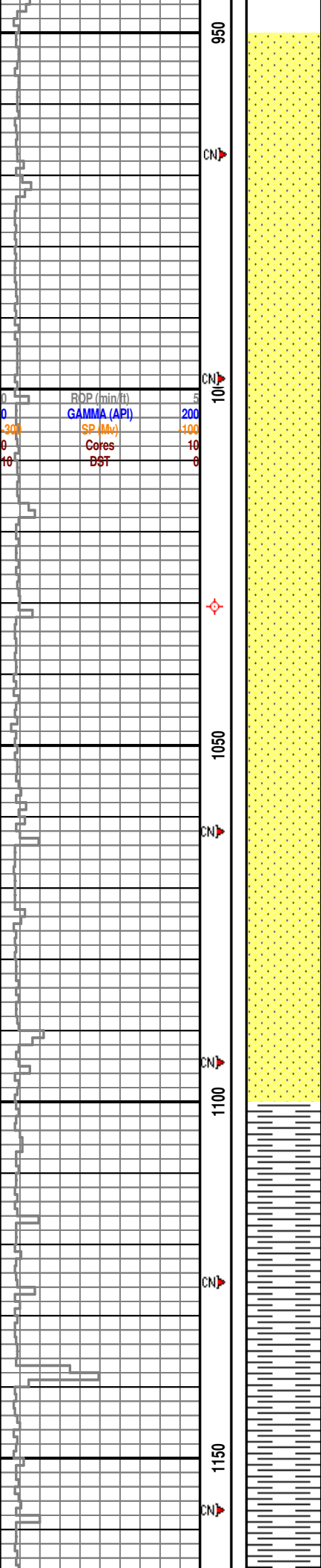
Rft  
Sidewall  
New bit  
casingr  
casing  
Survey  
Off bottom  
conn  
Survey(red)











SS: wht-lt gy, clr-wht qtz, lithc, 1-3% blk grs (carb frag), mics (musc&biot), vf gr, w srt, rd-sb rd, sl arg, calc, f cmt, consol, tt, tr pyr, rr glauc, est vis por 5%, NSFOC

SS: wht-lt gy, clr-wht qtz, lithc, 1-3% blk grs (carb frag), mics (musc&biot), vf-f gr, w srt, rd-sb rd, sl arg, calc, f cmt, consol, part fri, tt, tr pyr, rr glauc, est vis por 5%, NSFOC

Survey @ 967° 0.52 Deg

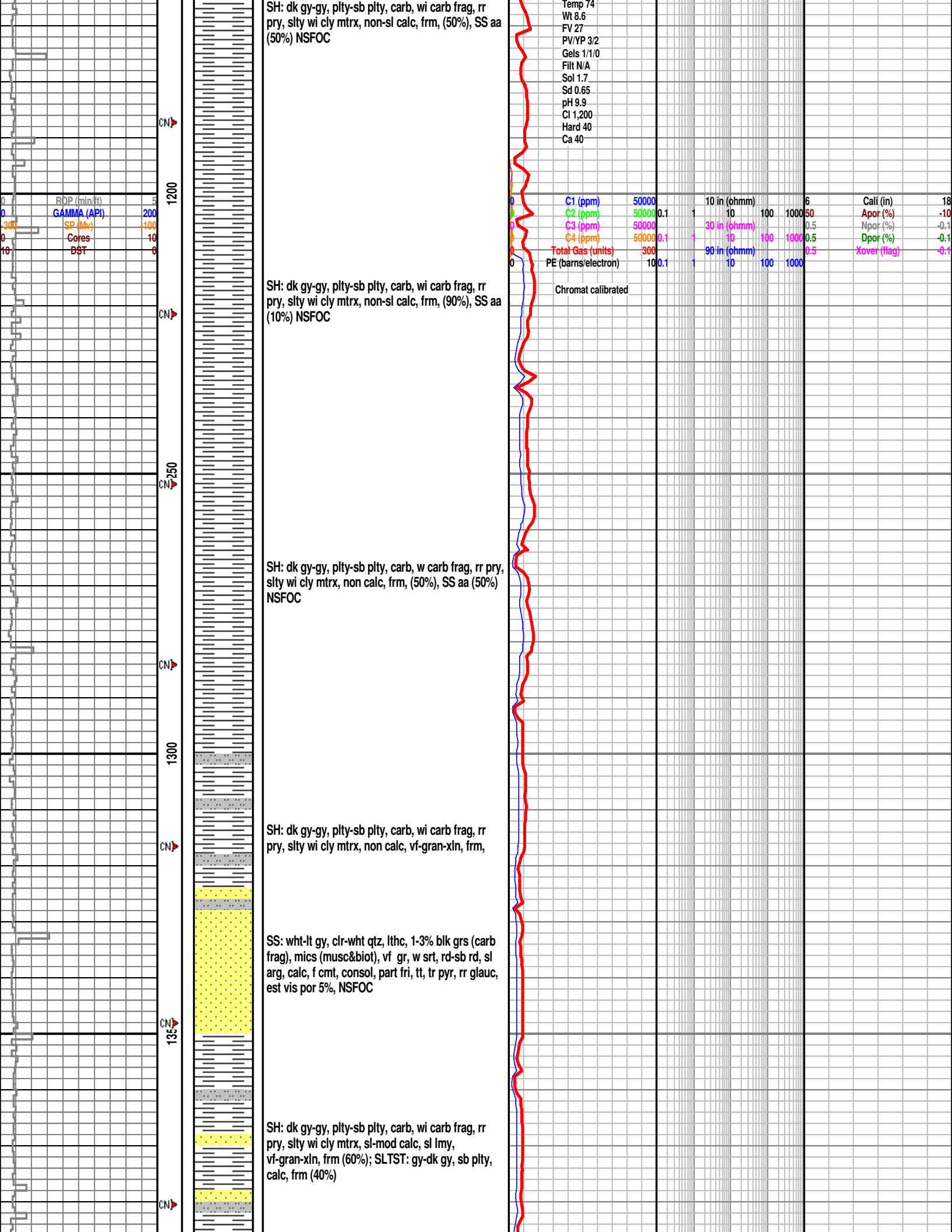
SS: wht-lt gy, clr-wht qtz, lithc, 1-3% blk grs (carb frag), mics (musc&biot), vf gr, w srt, rd-sb rd, sl arg, calc, f cmt, consol, part fri, tt, tr pyr, rr glauc, est vis por 5%, NSFOC

-----Pierre Shale @ 1112-----

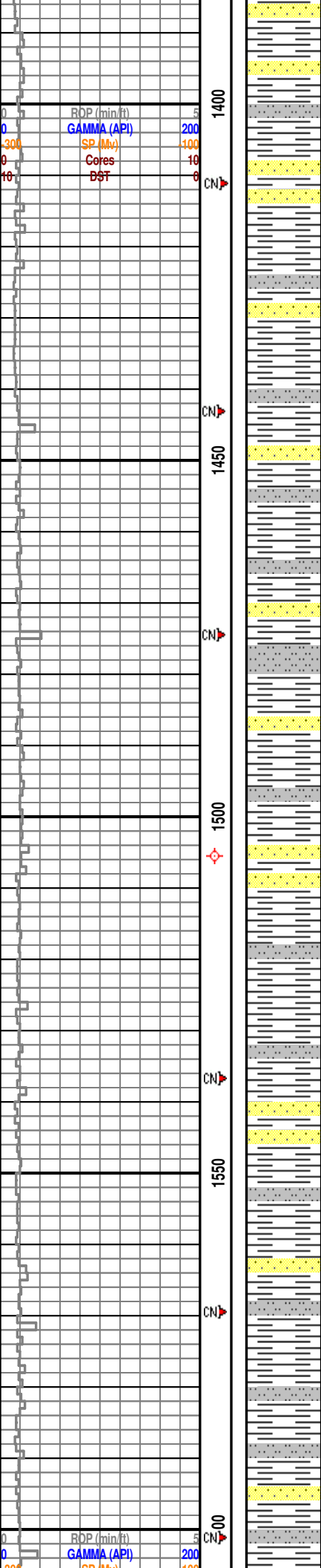
SH: dk gy-gy, plty-sb plty, carb, wi carb frag, rr pry, silty wi cly mtrx, sl-mod calc, limy ip, frm, (50%), SS aa (50%) NSFOC











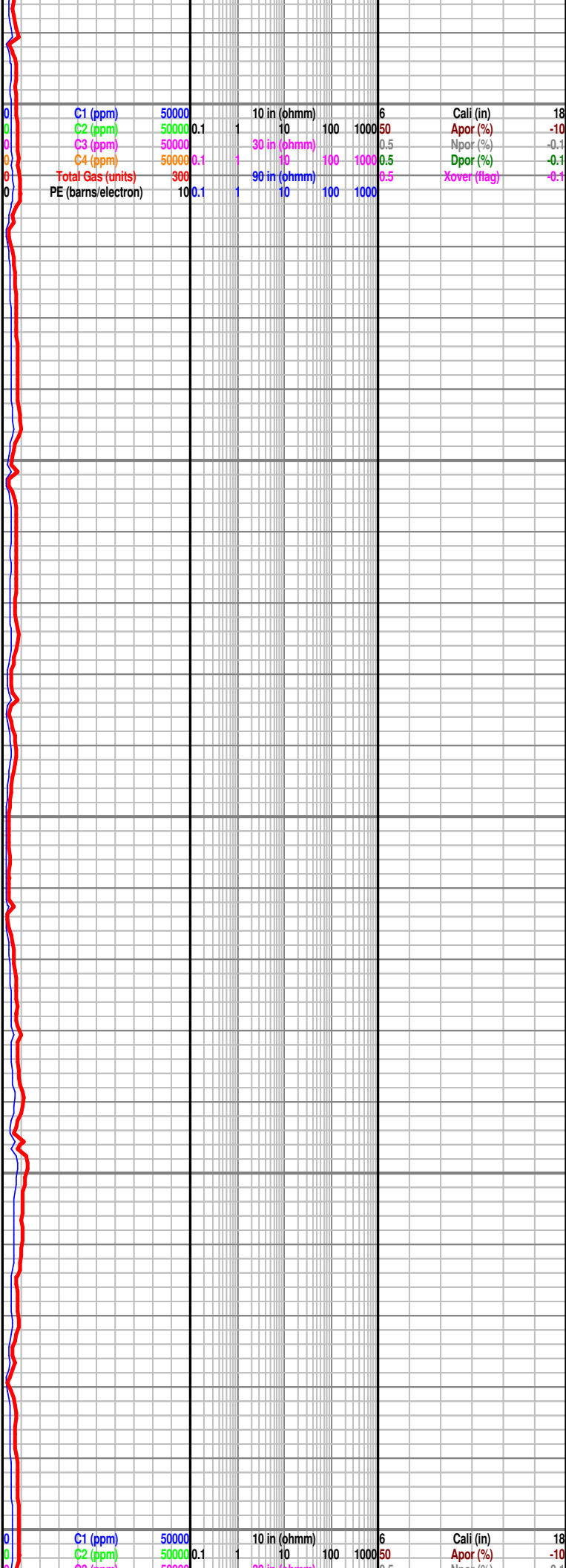
SH: dk gy-gy, plty-sb plty, carb, wi carb frag, rr  
pry, slty wi cly mtrx, sl-mod calc, lmy ip,  
vf-gran-xln, wht cal frags, frm

SH: dk gy-gy, plty-sb plty, carb, wi carb frag, slty  
wi cly mtrx, sl-mod calc, sl lmy, vf-gran-xln, frm  
(60%);

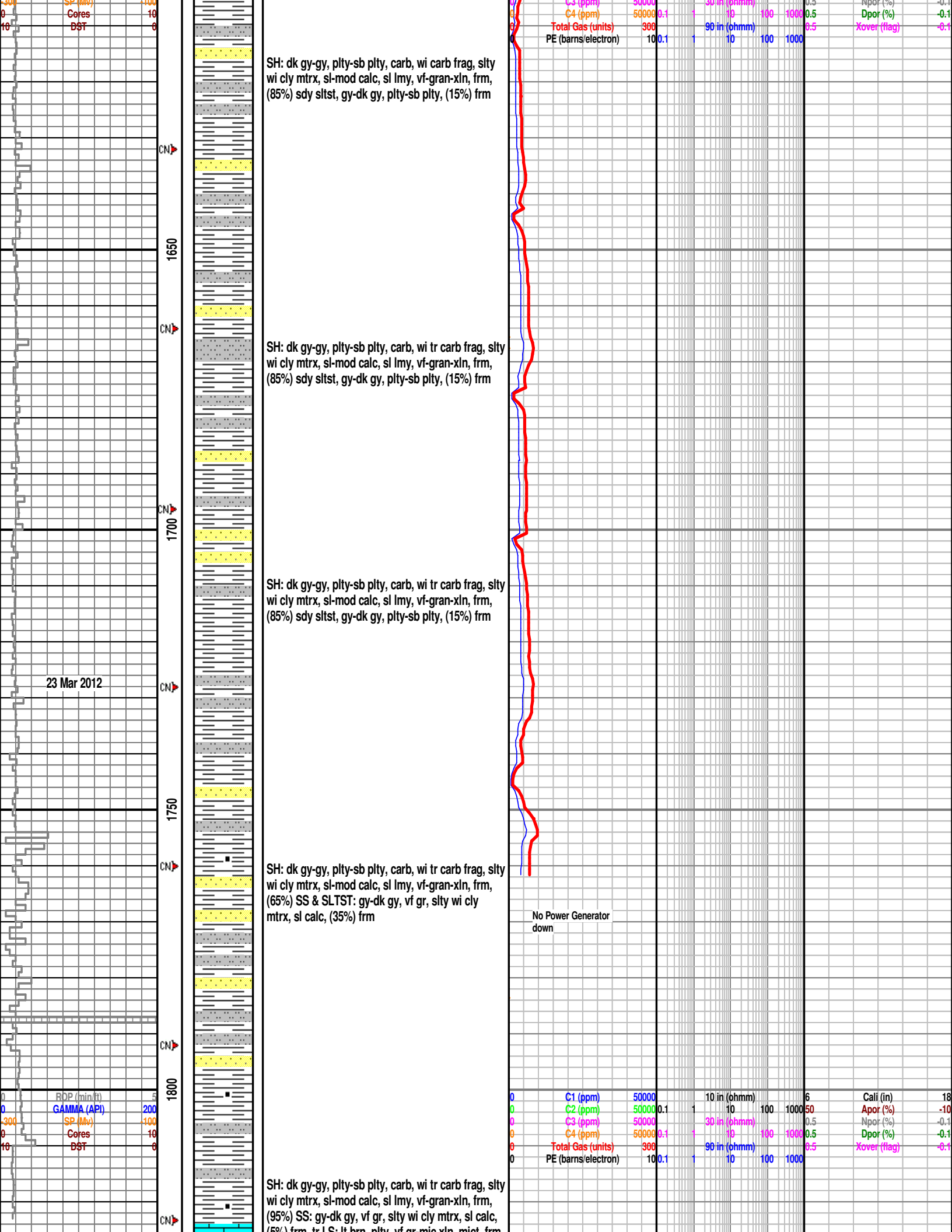
Survey @ 1,445' 0.97 Deg

SH: dk gy-gy, plty-sb plty, carb, wi carb frag, slty  
wi cly mtrx, sl-mod calc, sl lmy, vf-gran-xln, frm  
(80%); SS: dk gy, vf-f gr, sl calc, slty wi cly mtrx  
(20%), frm

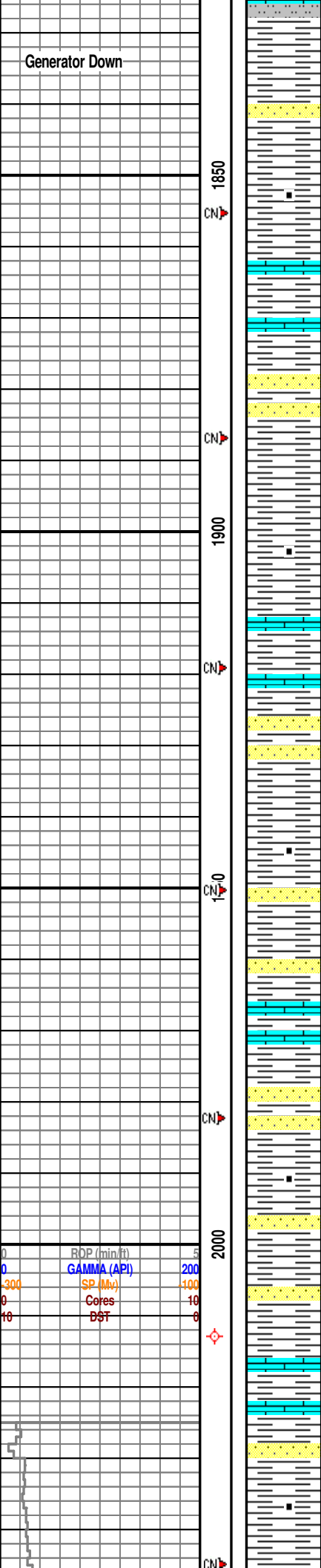
SH: dk gy-gy, plty-sb plty, carb, wi carb frag, slty  
wi cly mtrx, sl-mod calc, sl lmy, vf-gran-xln, frm,  
(85%) sdy sltst, gy-dk gy, plty-sb plty, (15%) frm











(5%) fmm, lt LS: lt brn, plty, vf gr-mic xln, mict, frm,

SH: dk gy-gy, plty-sb plty, carb, wi tr carb frag, slty wi cly mtrx, sl-mod calc, sl lmy, vf-gran-xln, frm, (85%) SS: gy-dk gy, vf gr, slty wi cly mtrx, sl calc, (13%) frm, (1-2%) LS: lt brn, plty, vf gr-mic xln, mict, frm,

LS: lt brn, plty, vf gr-mic xln, mict, frm,

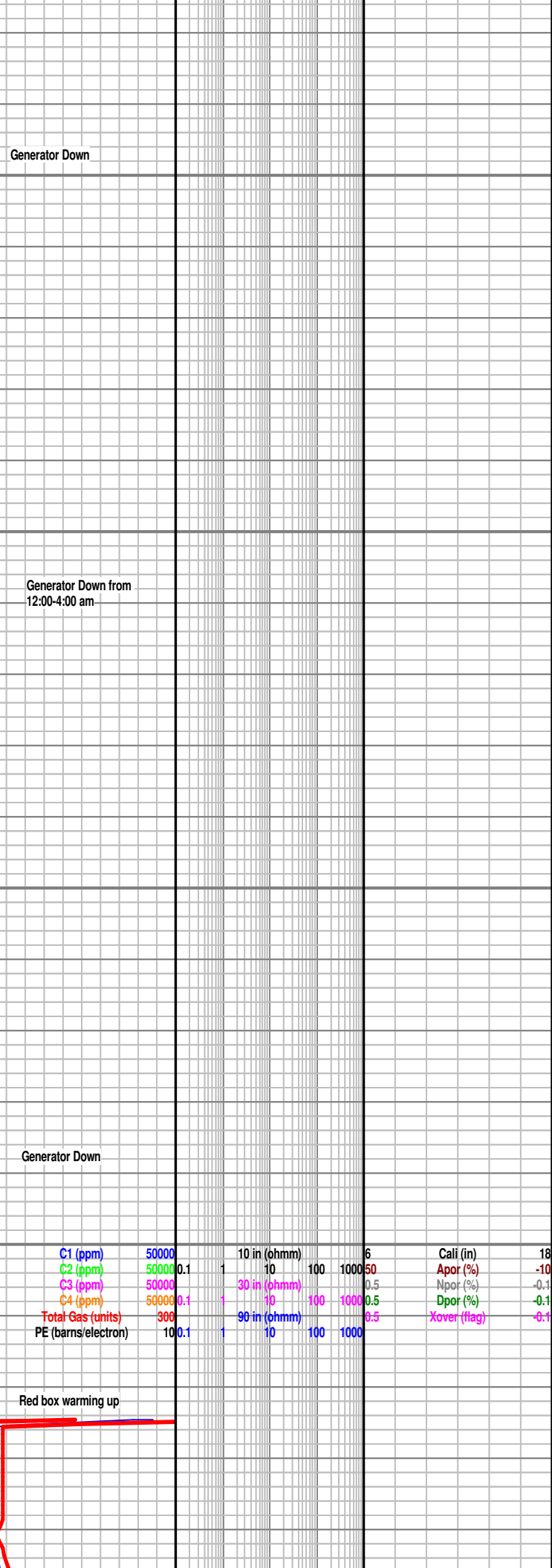
SH: dk gy-gy, plty-sb plty, carb, wi tr carb frag, slty wi cly mtrx, sl-mod calc, sl lmy, vf-gran-xln, frm, (95%) LS (5%): lt brn,LS: lt brn, plty, vf gr-mic xln, mict, frm,

SH: dk gy-gy, plty-sb plty, carb, wi tr carb frag, slty wi cly mtrx, sl-mod calc, blkly cal, sl lmy, vf-gran-xln, frm, (85%) SS: gy-dk gy, vf gr, slty wi cly mtrx, sl calc, (13%) frm, (1-2%) LS: lt brn, plty, vf gr-mic xln, mict, frm,

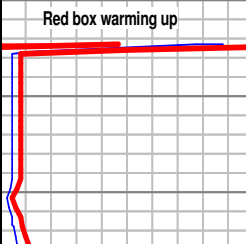
Survey @ 1,950' 1.04 Deg

LS: lt brn, plty, vf gr-mic xln, mict, frm,

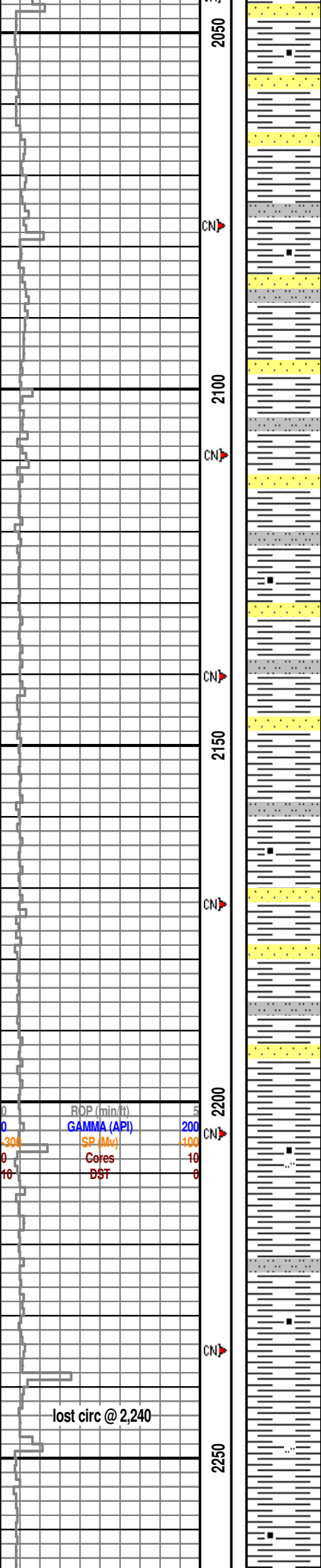
SH: dk gy-gy, plty-sb plty, carb, wi tr carb frag, slty wi cly mtrx, sl-mod calc, sl lmy, vf-gran-xln, frm,



0	C1 (ppm)	50000	10 in (ohmm)	6	Call (in)	18
0	C2 (ppm)	50000	10	100	1000	50
0	C3 (ppm)	50000	30 in (ohmm)	0.5	Apor (%)	-10
0	C4 (ppm)	50000	10	100	1000	0.5
0	Total Gas (units)	300	90 in (ohmm)	0.5	Dpor (%)	-0.1
0	PE (barns/electron)	10	10	100	1000	Xover (flag)





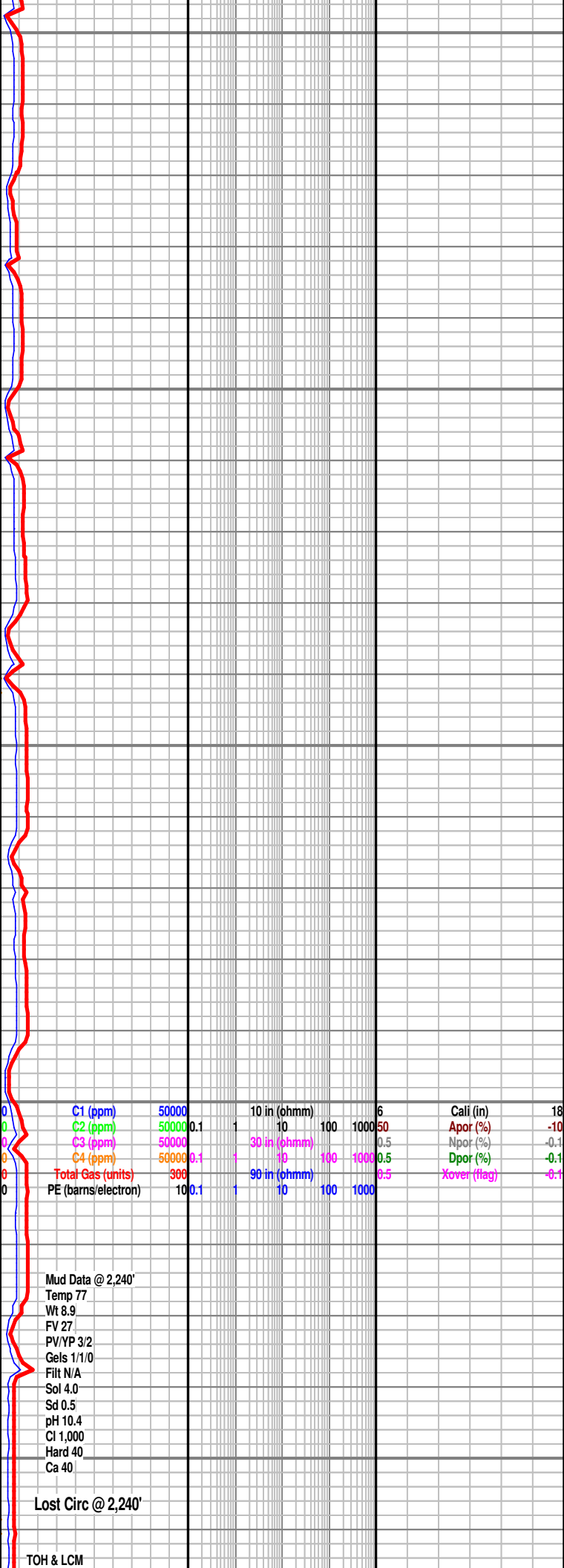


SH: dk gy-gy, plty-sb plty, carb, wi carb frag, slty  
wi cly mtrx, sl-mod calc, sl lmy, vf-gran-xln, frm,

SH: dk gy-gy, plty-sb plty, carb, wi carb frag, slty  
wi cly mtrx, sl-mod calc, sl lmy, vf-gran-xln, frm,

SH: dk gy-gy, plty-sb plty, carb, wi carb frag, slty  
wi cly mtrx, sl-mod calc, sl lmy, vf-gran-xln, frm,

SH: dk gy-gy, plty-sb plty, carb, cly mtrx, v sl-non  
calc, vf-gran-xln, rthy-wxy, frm,



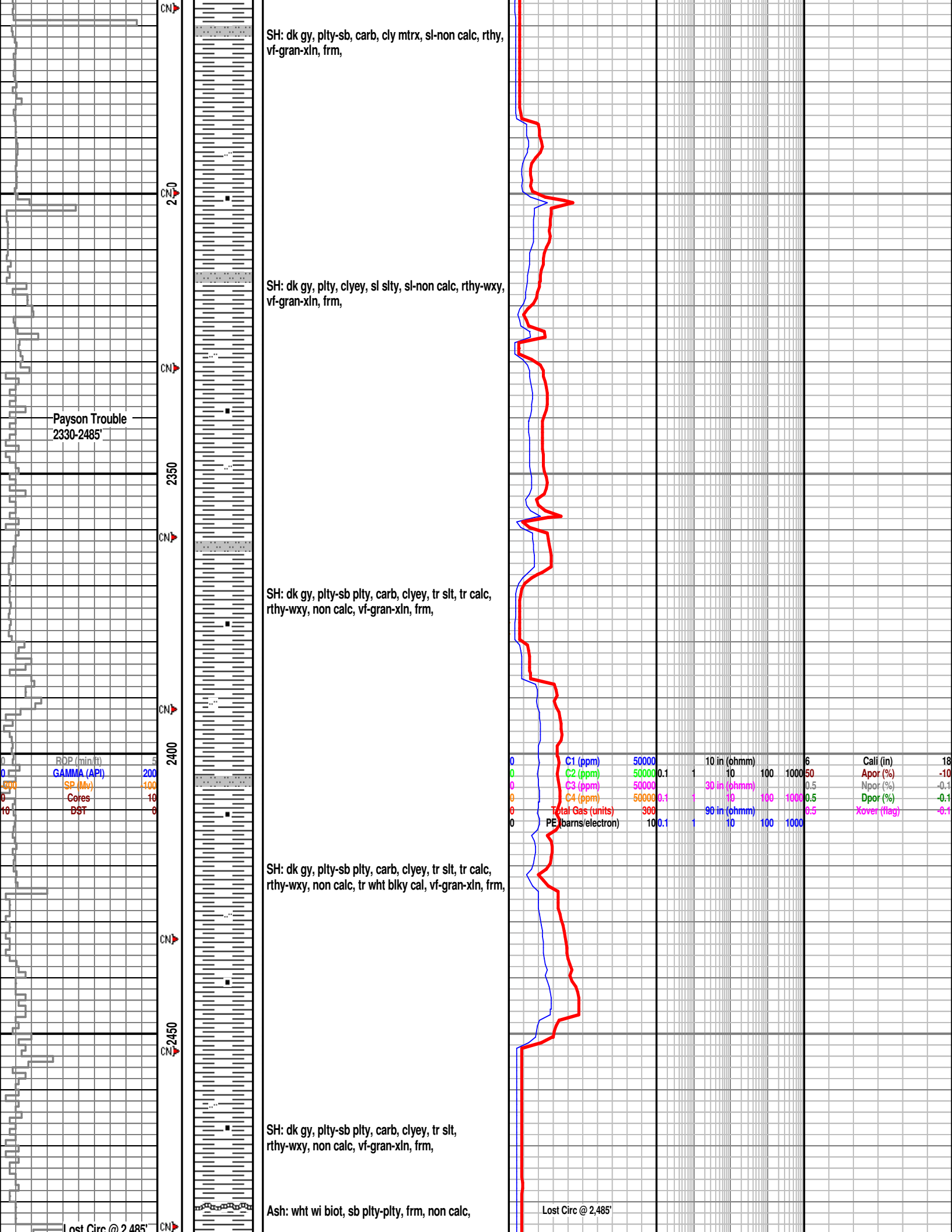
0	C1 (ppm)	50000	10 in (ohmm)	6	Cali (in)	18			
0	C2 (ppm)	50000.0.1	10	100	1000	50	Apor (%)	-10	
0	C3 (ppm)	50000	30 in (ohmm)	0.5			Npor (%)	-0.1	
0	C4 (ppm)	50000.0.1	10	100	1000	0.5		Dpor (%)	-0.1
0	Total Gas (units)	300	90 in (ohmm)	0.5				Xover (flag)	-0.1
0	PE (bars/electron)	10.0.1	10	100	1000				

Mud Data @ 2,240'  
Temp 77  
Wt 8.9  
FV 27  
PV/YP 3/2  
Gels 1/1/0  
Filt N/A  
Sol 4.0  
Sd 0.5  
pH 10.4  
Cl 1,000  
Hard 40  
Ca 40

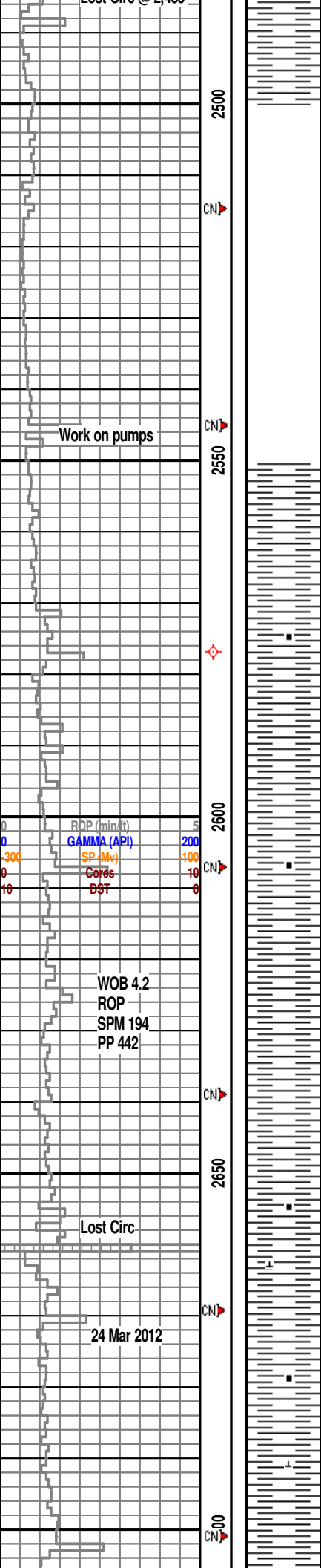
Lost Circ @ 2,240'

TOH & LCM









Sample not recovered due to lost circulation

Work on pumps

Survey @ 2,514' 2.22 Deg

SH: dk gy, plty-sb plty, carb, clayey, tr slt,  
rthy-wxy, sl calc, vf-gran-xln, frm,

SH: dk gy, plty-sb plty, carb, clayey, tr slt, rthy-wxy,  
tr wht blkly cal, sl calc, vf-gran-xln, frm,

SH: dk gy, plty-sb plty, carb, clayey, tr slt, limy, arg,  
rthy-wxy, calc, tr wht blkly cal, vf-gran-xln, frm,

Work on pumps

Mud Data @ 2,545'  
Temp 77  
Wt 8.6  
FV 34  
PV/YP 6/5  
Gels 1/2/0  
Filt N/A  
Sol 1.7  
Sd 0.3  
pH 9.7  
Cl 900  
Hard 40  
Ca 40

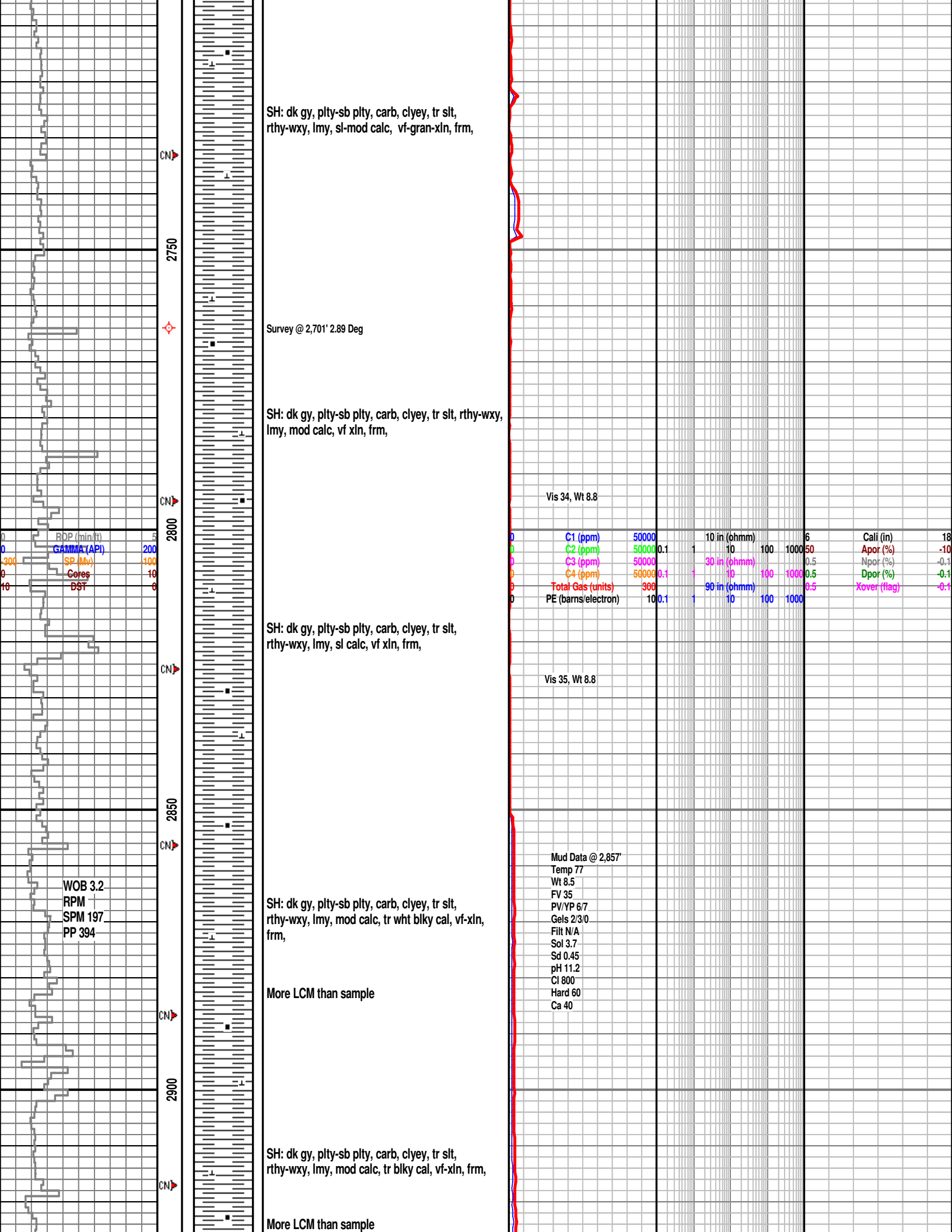
Vis 32 Wt 8.5

C1 (ppm)	50000	10 in (ohmm)	6	Cali (in)	18
C2 (ppm)	50000	10 in (ohmm)	50	Apor (%)	-10
C3 (ppm)	50000	30 in (ohmm)	0.5	Npor (%)	-0.1
C4 (ppm)	50000	10 in (ohmm)	100	Dpor (%)	-0.1
Total Gas (units)	300	90 in (ohmm)	0.5	Xover (flag)	-0.1
PE (barns/electron)	10	10 in (ohmm)	100		

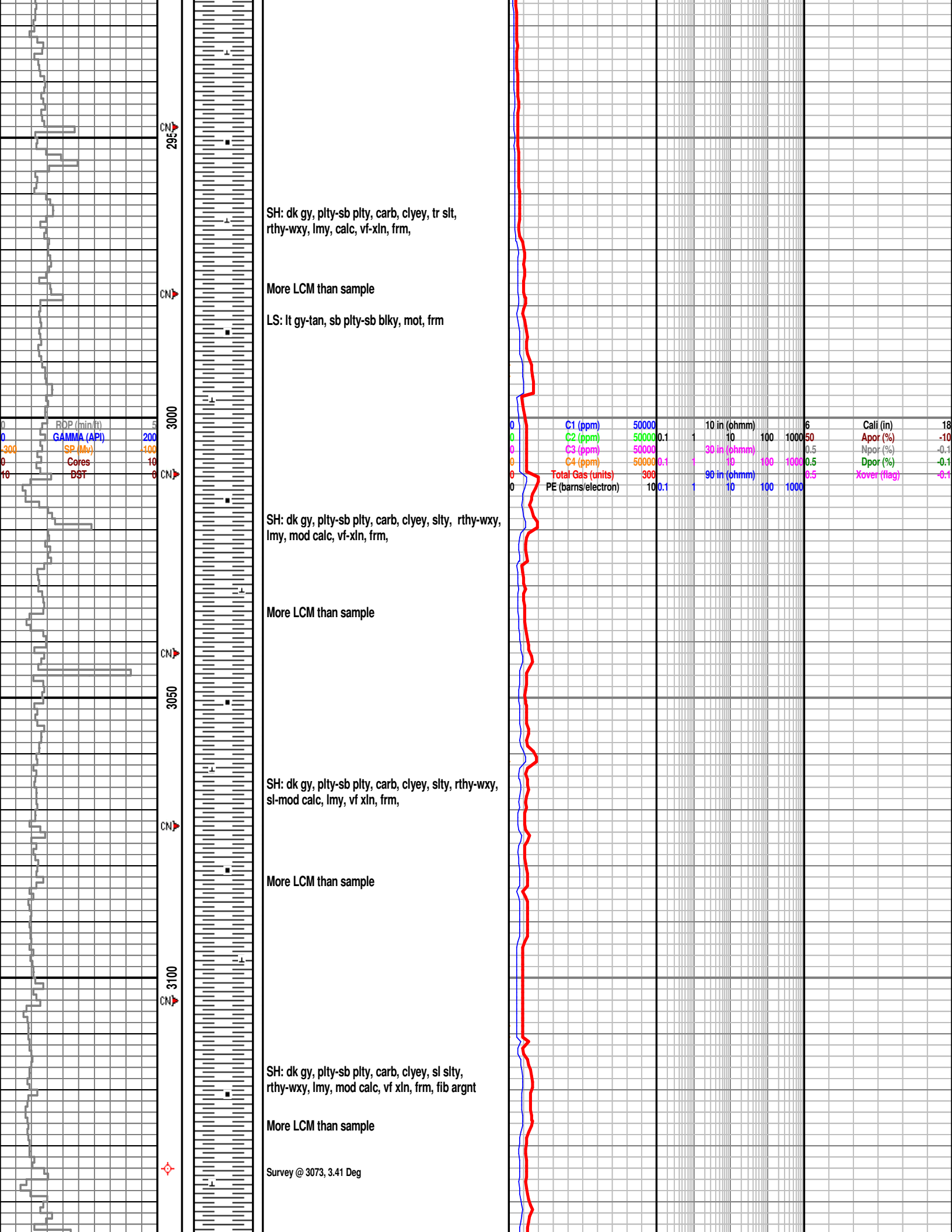
Lost Circ @ 2,648

Vis 33, Wt 8.7

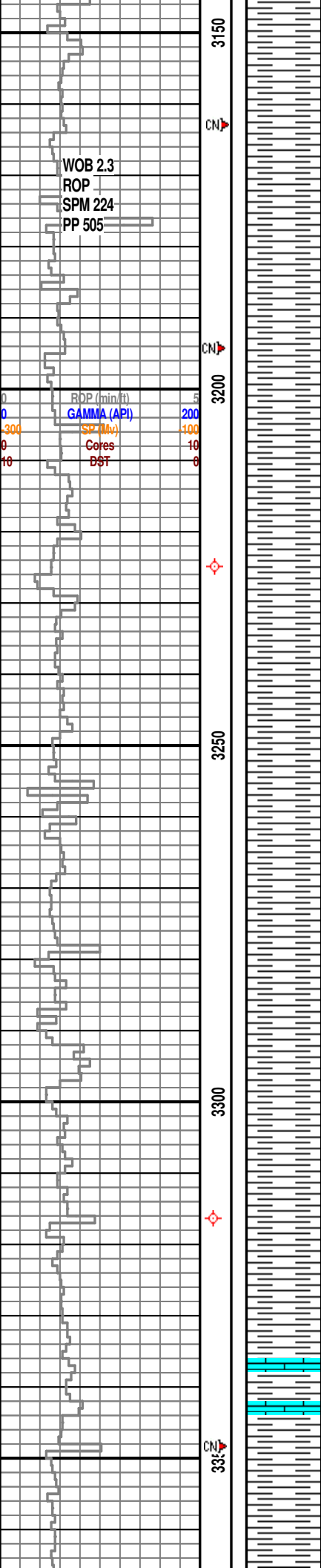












SH: dk gy, plty-sb plty, carb, clayey, slty, rthy-wxy,  
lmy, mod calc, vf xln, frm, fib argnt

SH: dk gy, plty-sb plty, carb, clayey, slty, rthy-wxy,  
lmy, mod calc, vf xln, frm,

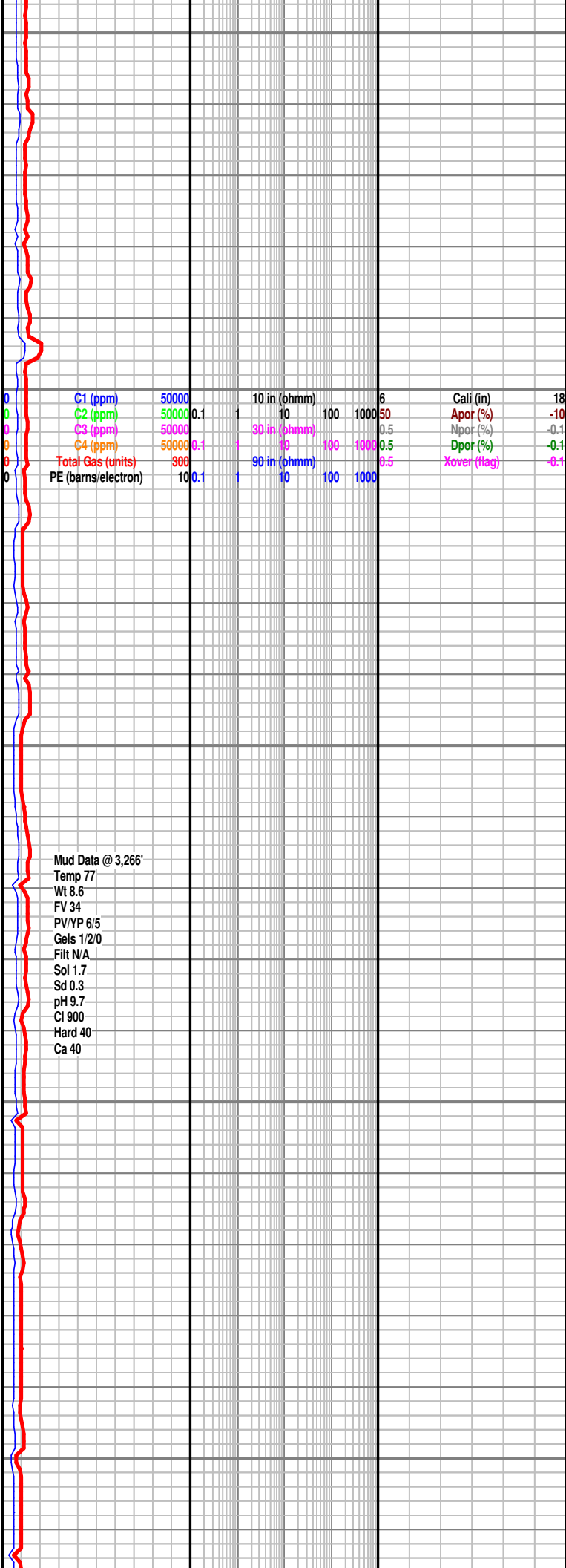
Survey @ 3,164, 2.84 Deg

SH: dk gy, plty-sb plty, carb, clayey, slty, rthy-wxy,  
lmy, mod calc, vf xln, frm,

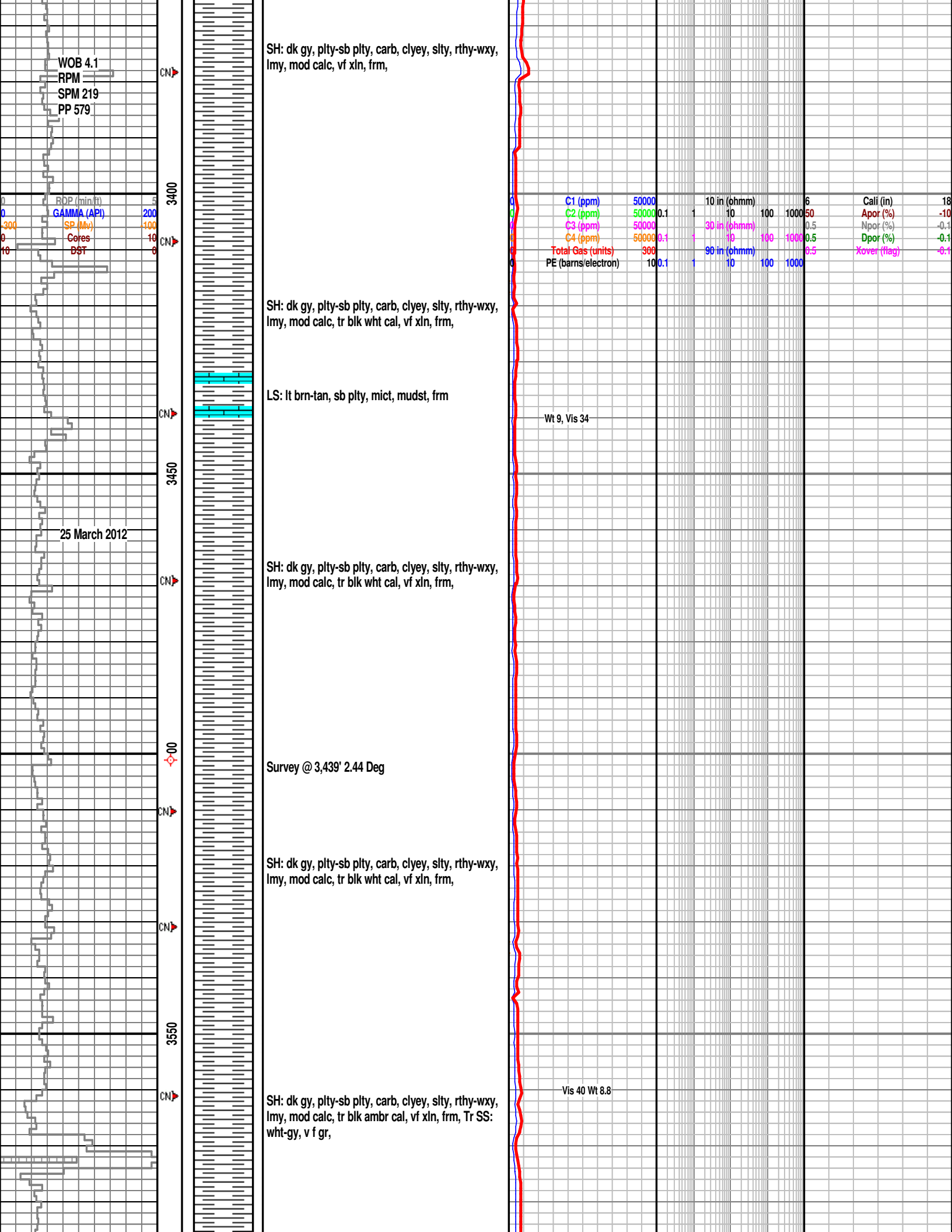
Survey @ 3,316', 2.5 deg

SH: dk gy, plty-sb plty, carb, clayey, slty, rthy-wxy,  
lmy, calc, tr blk wht cal, vf xln, frm,

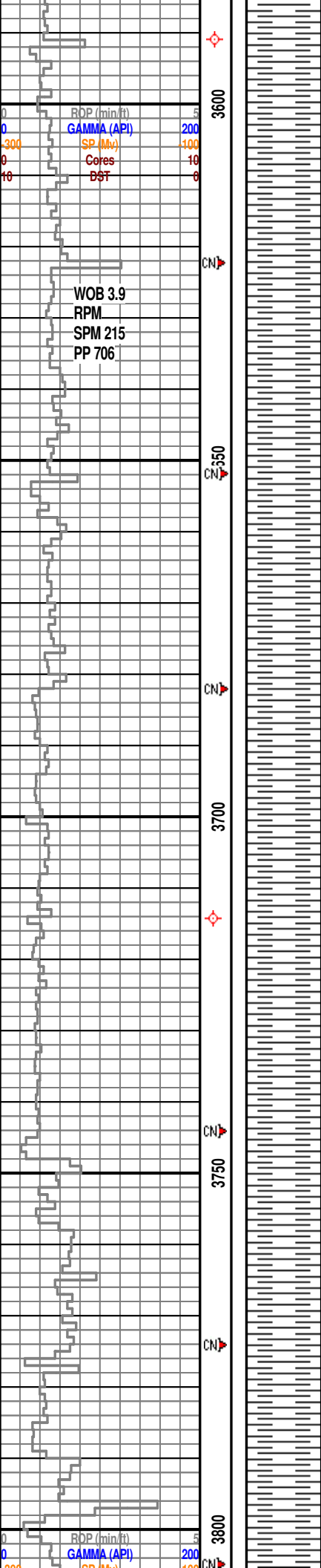
LS: lt brn-tan, sb plty, mict, mudst, frm











Survey @ 3,531' 2,37 Deg

SH: dk gy, plty-sb plty, carb, clayey, slty, rthy-wxy, lmy, mod calc, tr blk wht cal, vf-slt xln, sug txt, frm,

LS: lt brn-tan, sb plty, mict, mudst, frm

90% LCM

SH: dk gy, plty-sb plty, carb, clayey, slty, rthy-wxy, lmy, mod calc, tr blk amb-wht cal, vf-slt xln, sug txt, frm,

LS: lt brn-tan, sb blk, mot, mict, frm

Survey @ 3,622' 3.45 Deg

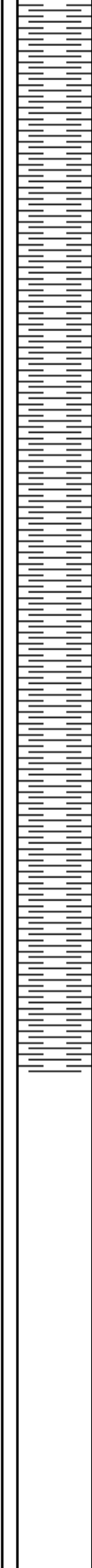
SH: dk gy, plty-sb plty, carb, clayey, slty, rthy-wxy, lmy, mod calc, tr blk wht cal, vf-slt xln, sug txt, frm,

LS: lt brn-tan, sb blk, mict, mud, frm

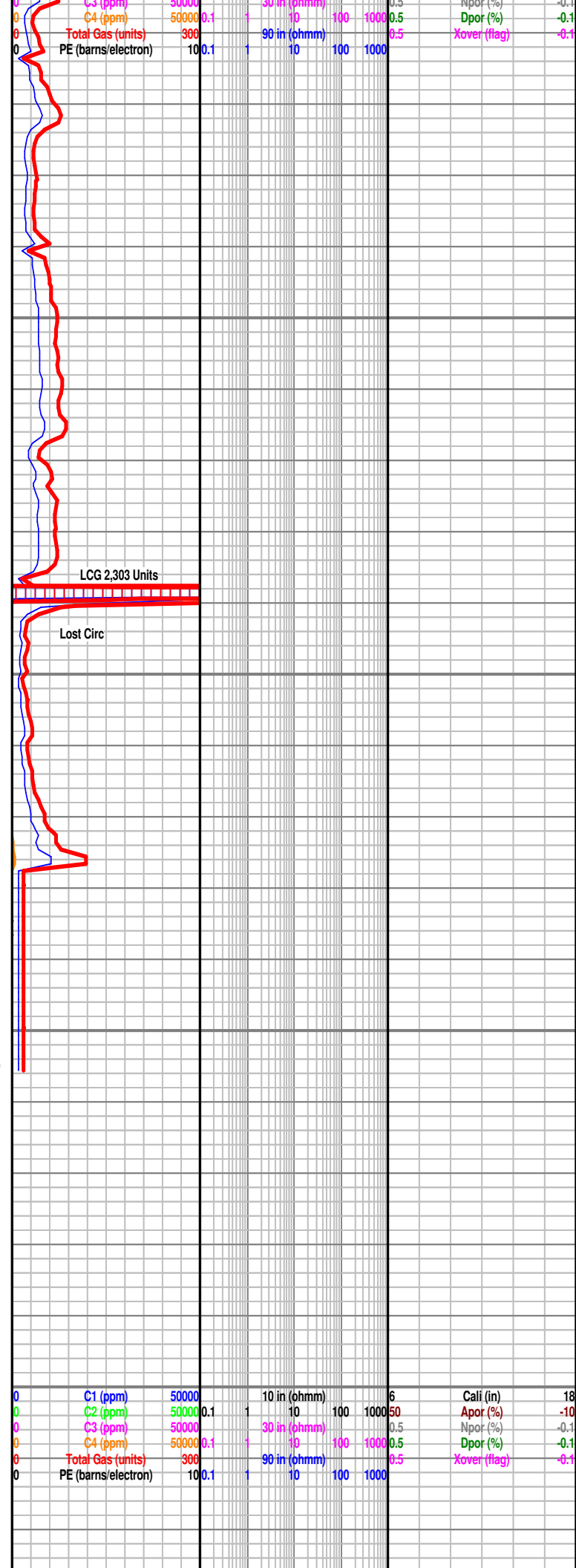
SH: dk gy, plty-sb plty, carb, clayey, slty, rthy-wxy, lmy, mod calc, tr rhmb wht cal, vf-slt xln, sug txt, frm, tr coal, blk, blk,



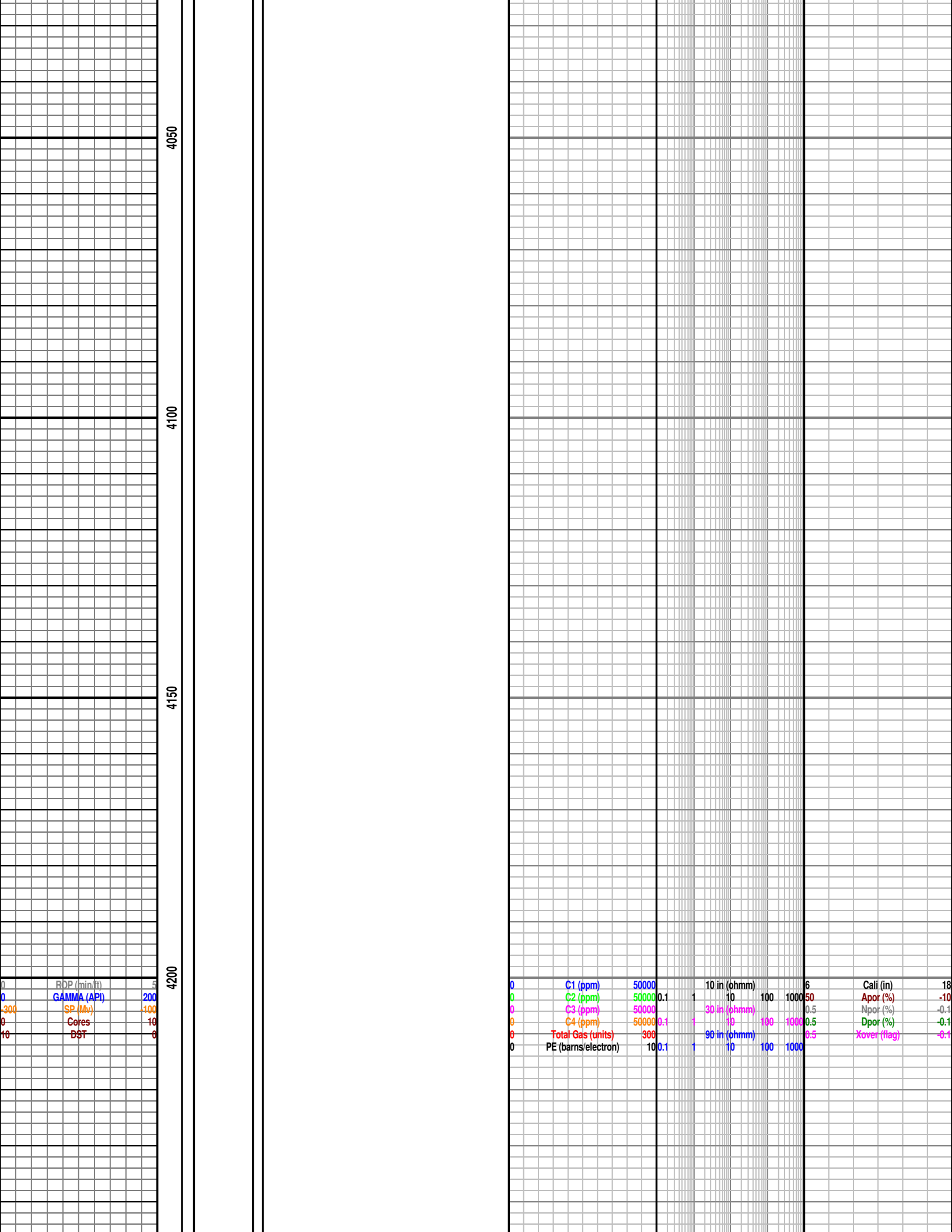




TD intermediate hole on Sunday 25 March 2012 @ 4:00 pm. TOOH for open hole logging. Loggers encountered a bridge @ 2,610 feet. Fight bridge and hole for 8 days (4-2-2012).







4050

4100

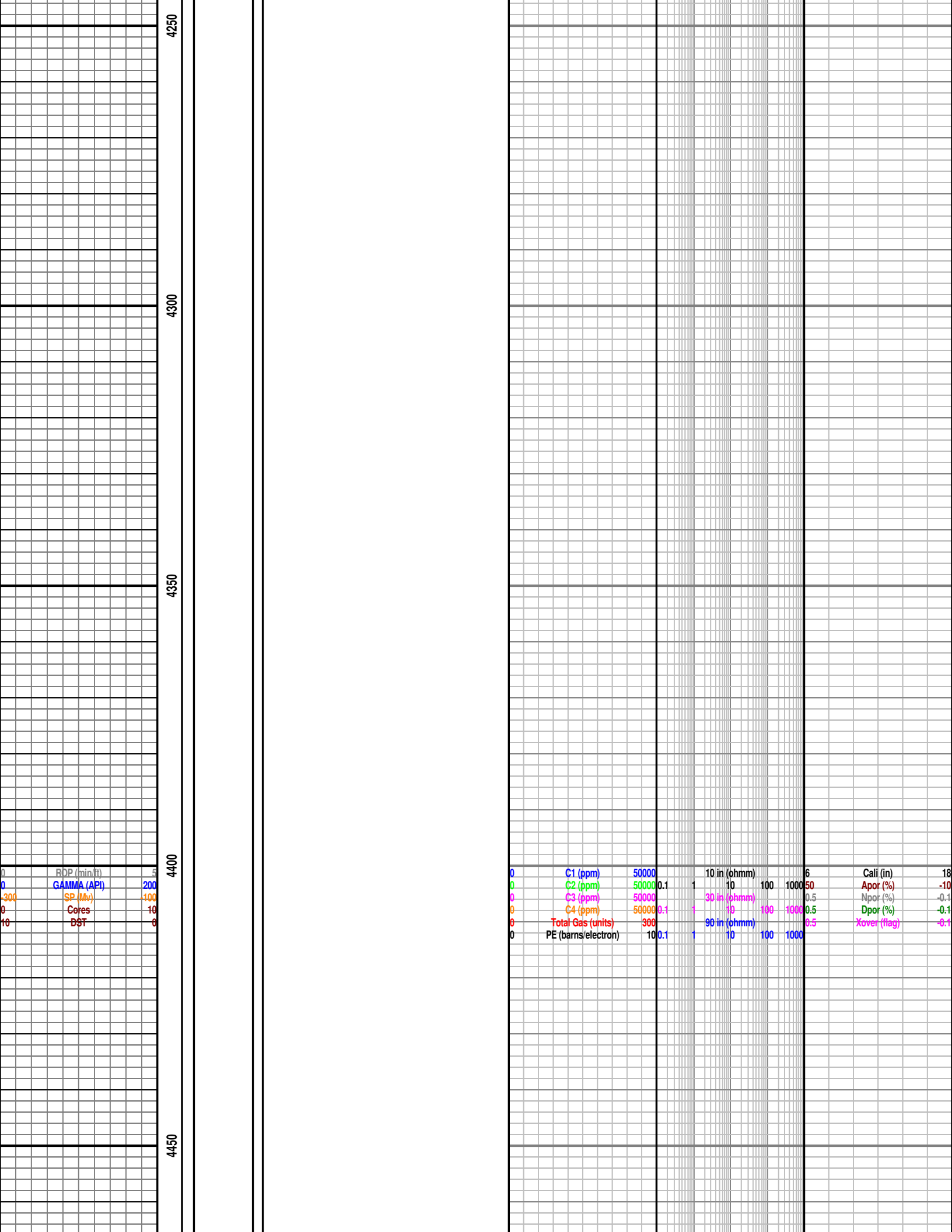
4150

4200

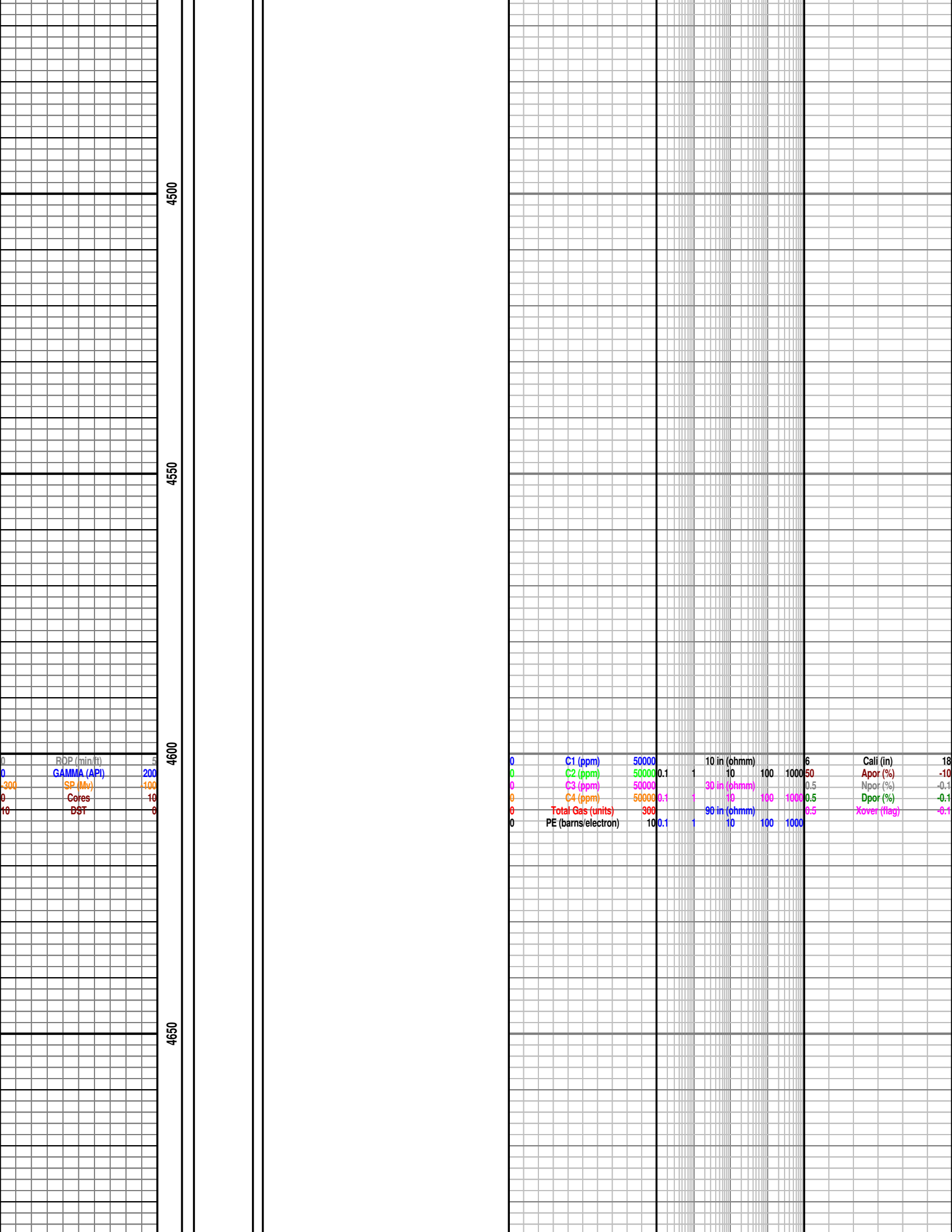
0	RDP (min/ft)	5
0	GAMMA (API)	200
300	SP (Mv)	100
0	Cores	10
10	BST	0

0	C1 (ppm)	50000	10 in (ohmm)	6	Call (in)	18
0	C2 (ppm)	50000	10	100	1000	50
0	C3 (ppm)	50000	30 in (ohmm)	0.5		Apor (%)
0	C4 (ppm)	50000	10	100	1000	0.5
0	Total Gas (units)	300	90 in (ohmm)	0.5		Dpor (%)
0	PE (barns/electron)	10	10	100	1000	0.5
						Xover (flag)

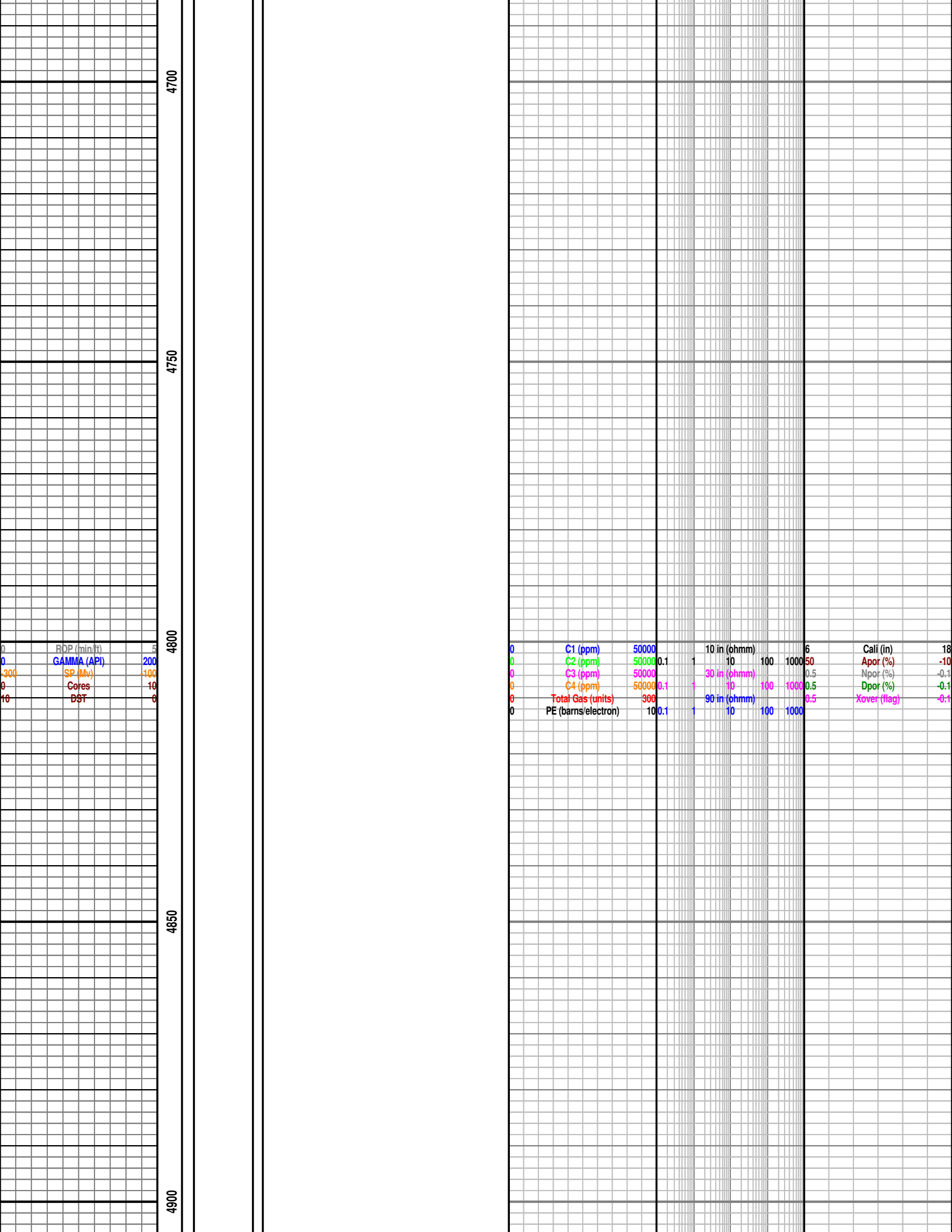














[illegible]