



FIVE INCH ROP-MD

COMPANY	Magnolia Oil & Gas	RIG	248
CONTRACTOR	Patterson-UTT		
WELL	Grand Canyon A 1H		
FIELD	Giddings		
COUNTY	Washington County	STATE	Texas
LOCATION		Other Services One Inch ROP-MD	
LAT: 30.2297° LONG: -96.674°			
API SERIAL NO	SECTION	TOWNSHIP	RANGE
42-47-31136			

LOCATION				LAT: 30.2297° LONG: -96.674°	Other Services One Inch ROP-MD
API SERIAL NO 42-477-31136	SECTION	TOWNSHIP	RANGE		

SPUD DATE	4/28/2020	TOTAL DEPTH	17,886'	Elev. KB	332'
LOGGING STARTED	6/22/2020	@	10,322'	D.F.	28'
LOGGING FINISHED	6/29/2020	@	17,886'	G.L.	304'
				S.F.	

BORE HOLE RECORD

SOLE SIZE	FROM	TO	SIZE	WGT	FROM	TO
			7 5/8"	29.7#	Surface	10.245'
6 3/4"	10.245'	17.886'				
















CASING RECORD

[illegible]

REMARKS: All depths correspond to drillers tally.

LOGGING PERSONNEL L.J. Dufrene, Josh Wilson, Jeremy Cheshier, Kenny Perkins

FOLD HERE THE WELL NAME AND BOREHOLE REFERENCE DATA WERE FURNISHED BY THE CUSTOMER

Company	Magnolia Oil & Gas	Shale	Limestone	Anhydrite	Dolomite	No Sample
Well	Grand Canyon A 1H					
Location	Washington County	Sandstone	Coal	Ash	Sandy Limestone	Salt - Na
Supervisor	LJ Dufrene					
Unit	LR05	Siltstone	Cement	Chalk	Marl	Salt - K
						

SHOWS HAVE THE FOLLOWING SIGNIFIGANCE			
T - TRACE [ZONE OF INTEREST]	NDB - NEW DIAMOND BIT	UDB - USED DIAMOND BIT	CG - CONNECTION GAS
P - POOR SHOW PROBABLY NOT PRODUCTIVE	NB - NEW BIT	CO - CIRCULATING OUT	NR - NO RETURNS
F - FAIR SHOW POSSIBLY PRODUCTIVE	TG - TRIP GAS	LAT - LOGGED AFTER TRIP	DS - DIRECTIONAL SURVEY
G - GOOD SHOW PROBABLY PRODUCTIVE			

ROP			Lith		Frac.	Gas	Fluor	Chromatograph	Remarks
ROP						Total Gas		Methane	
200	Ft/Hr	0			0	Units	400	100 PPM 100000	
Casing Press						Kick/Loss		Ethane	
0	PSI	1000			-5		1	100 PPM 100000	
Gamma								Propane	
0	API	150						0.01 % 5	
								I-Butane	
								100 PPM 100000	
								N-Butane	

NB 6 3/4" Ulterra U611S
w/ 6x16's Jets TFA= 1.178
w/ 2" Motor, MWD, & Gamma

7 5/8" 29.7# casing @10,245'MD
Tested to 1959psi w/ 9.3ppg MW
EMW = 13.0ppg

6/23/2020

MW 9.9
VIS 50
PV 10
YP 8
FIL 7.0
CL
39,000

Total gas calibration : 50 units = 1% Methane

MW In 9.0 / MW Out 9.1

Take returns thru gas buster (trapped Gas)

CG=373

CG=258

MW In 8.9 / MW Out 8.9

WOB 20-25K
RPM 0
20/259
SPR 3750
GPM 378

Chlk: med gry lt gry mott
frm-mod hd brit i.p.
blky-plty dull microxln

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frm-mod hd brit i.p.
blky-plty dull microxln

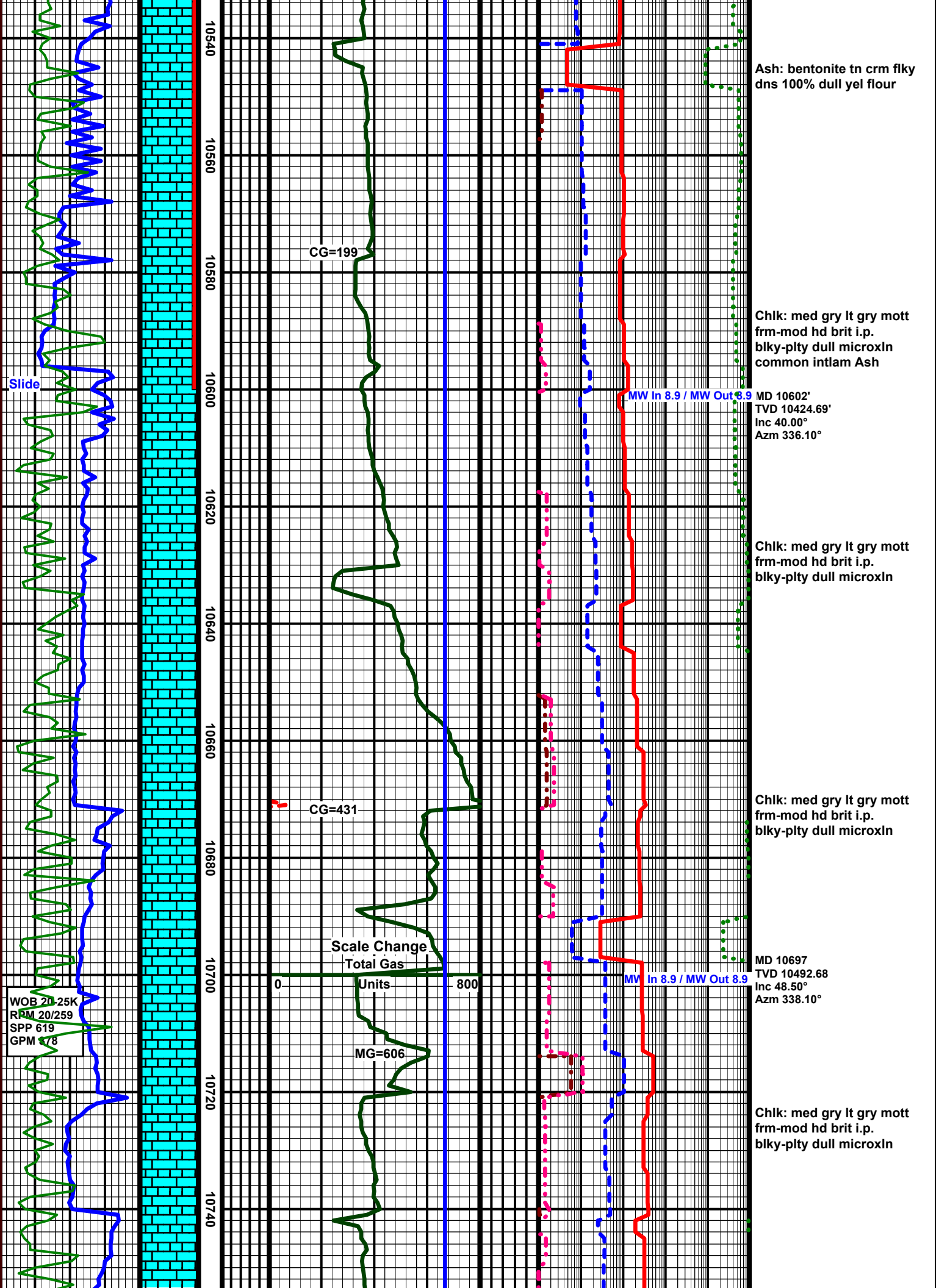
MD 10413'
TVD 10265.23'
Inc 23.3°
Azm 330.5°

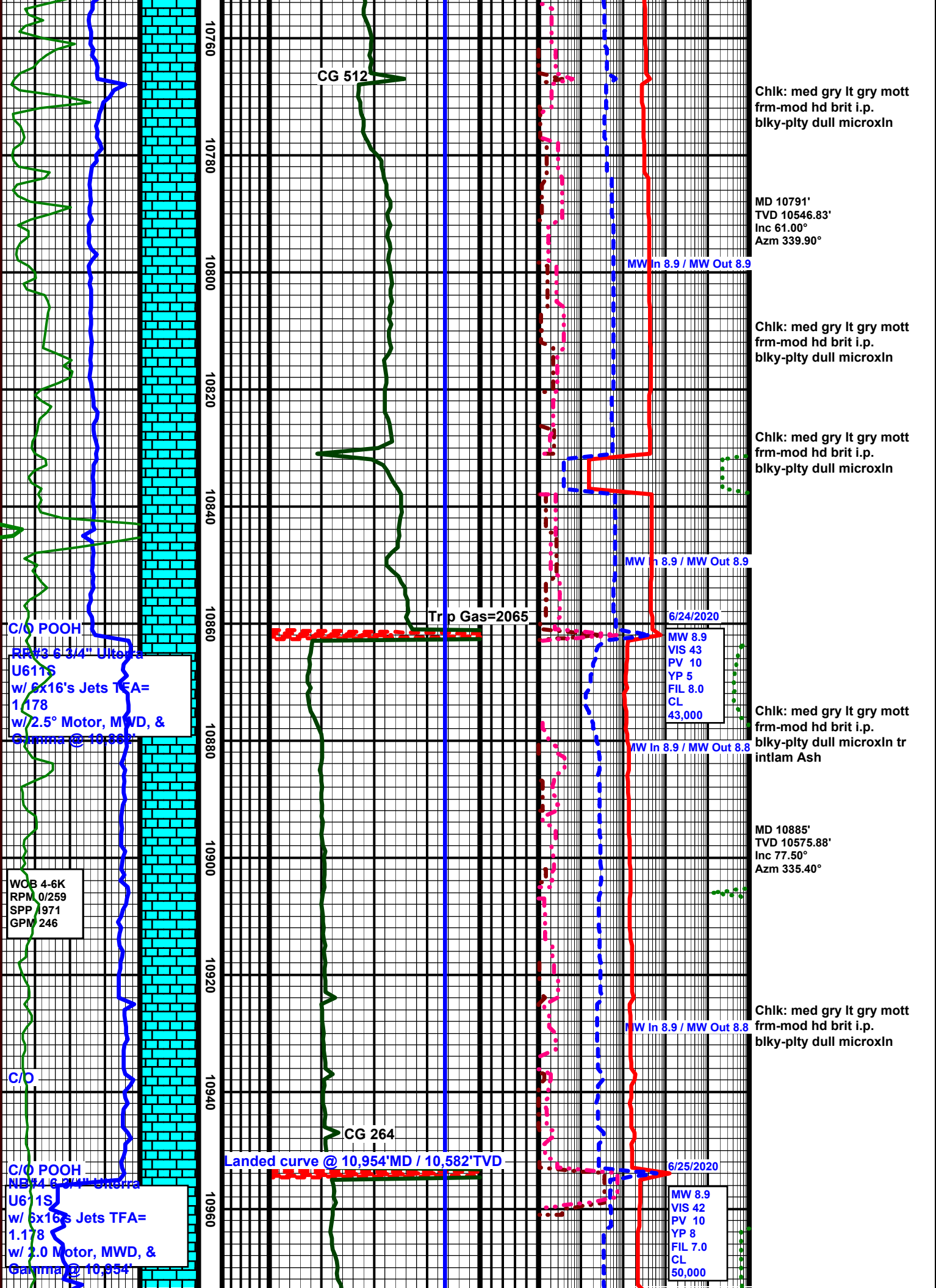
Chlk: med gry lt gry mott
frm-mod hd brit i.p.
blky-plty dull microxln

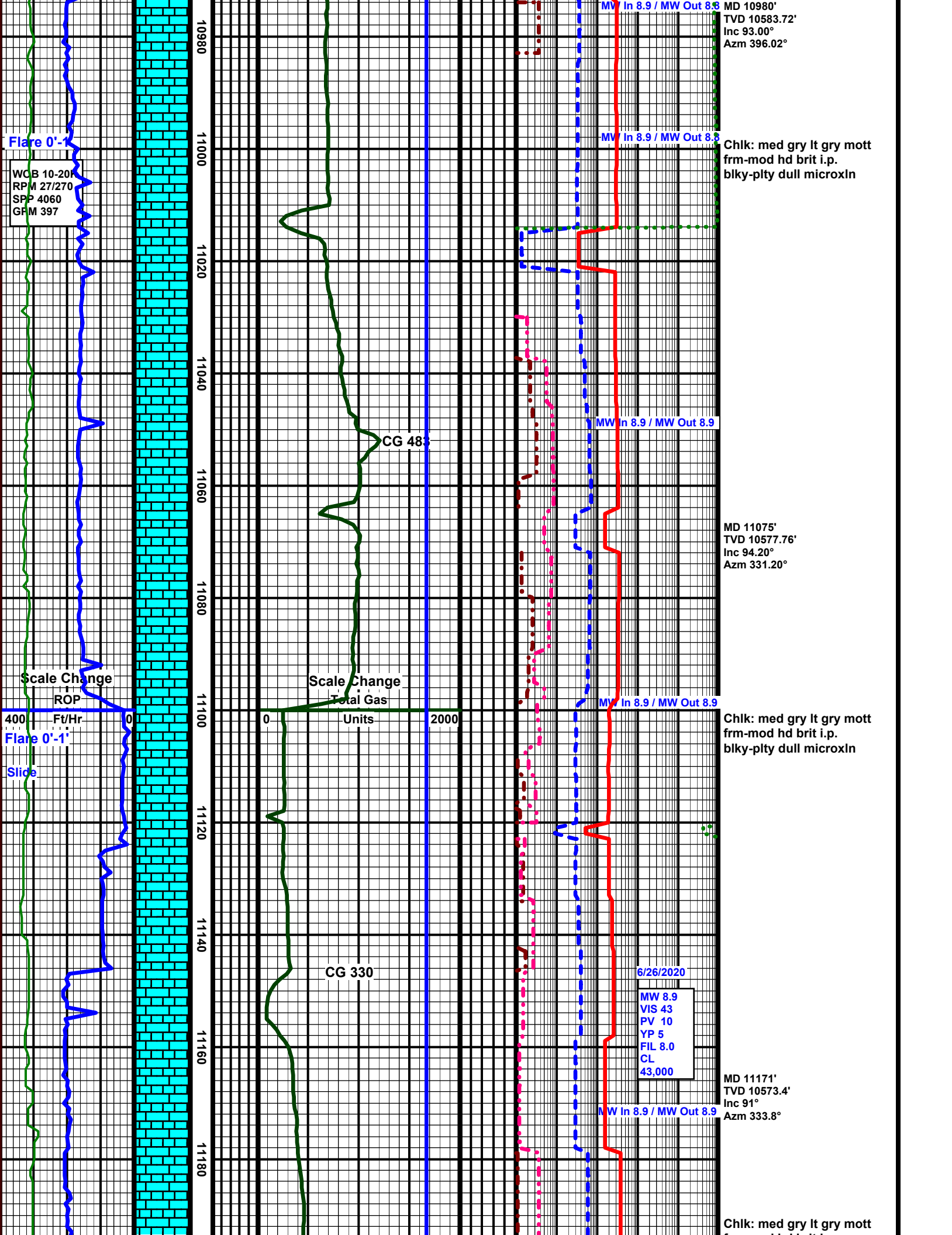
Chlk: med gry lt gry mott
frm-mod hd brit i.p.
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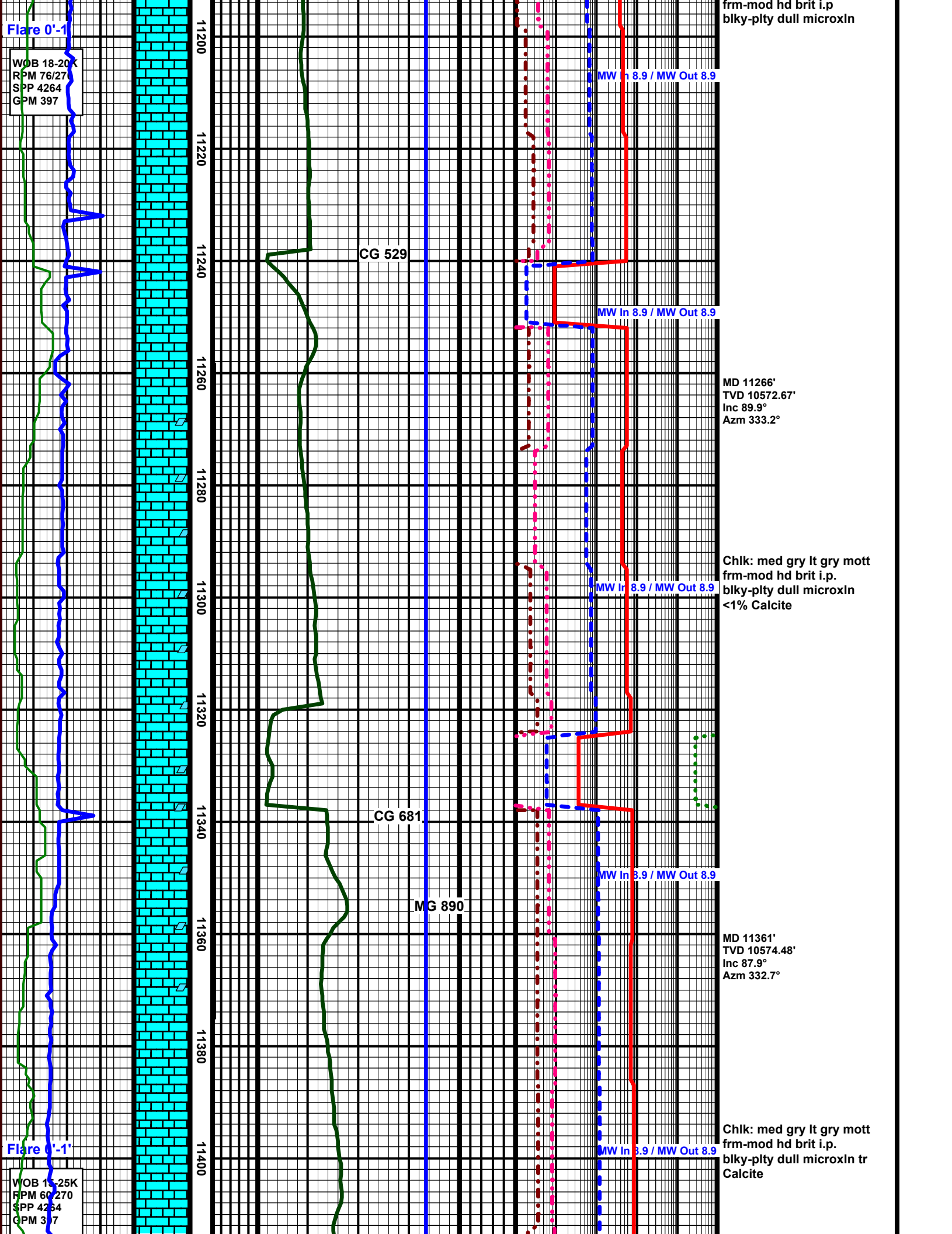
Chlk: med gry lt gry mott
frm-mod hd brit i.p.
blky-plty dull microxln

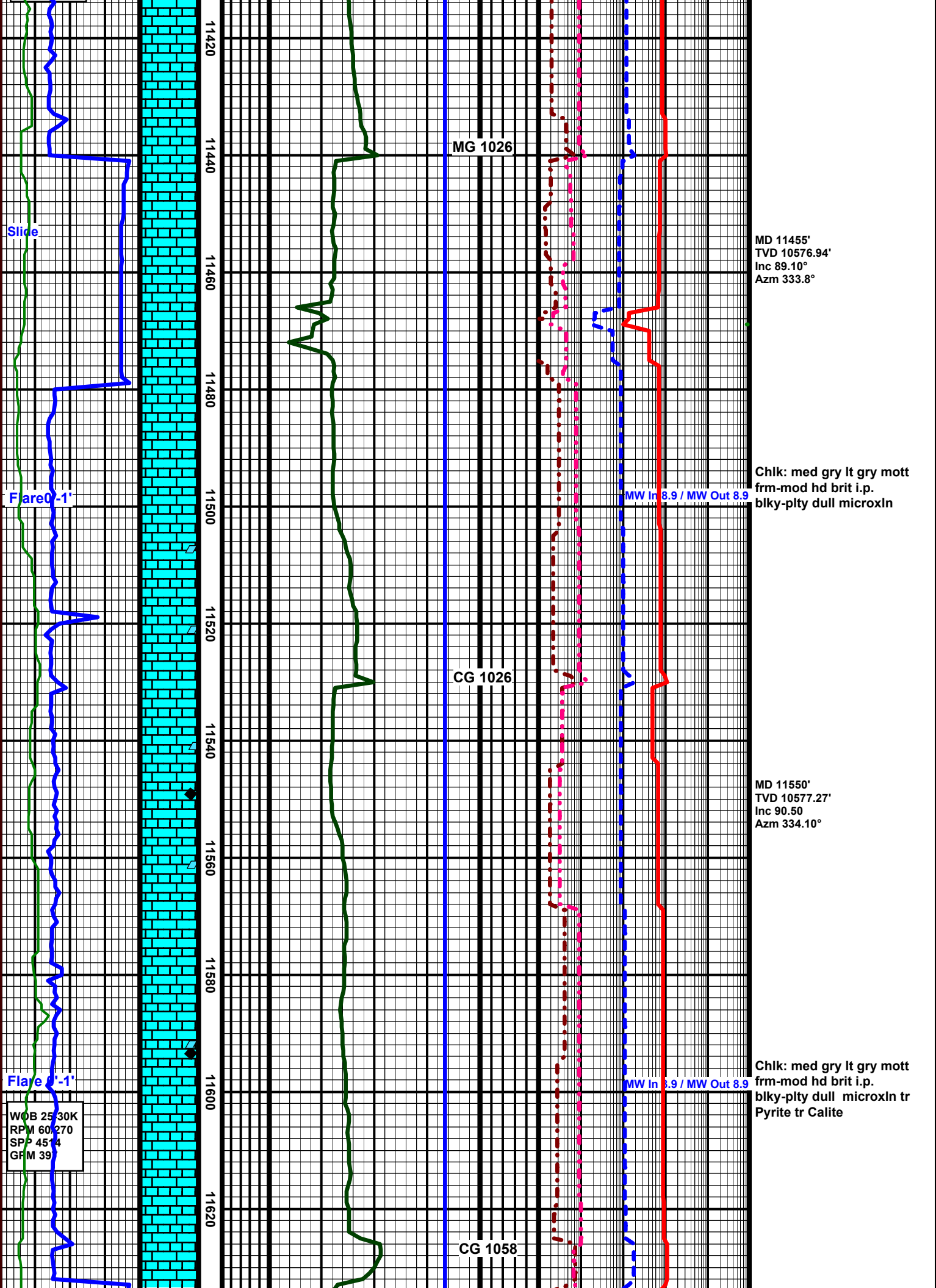
MD 10508'
TVD 10349.01'
Inc 32.7°
Azm 330.6°

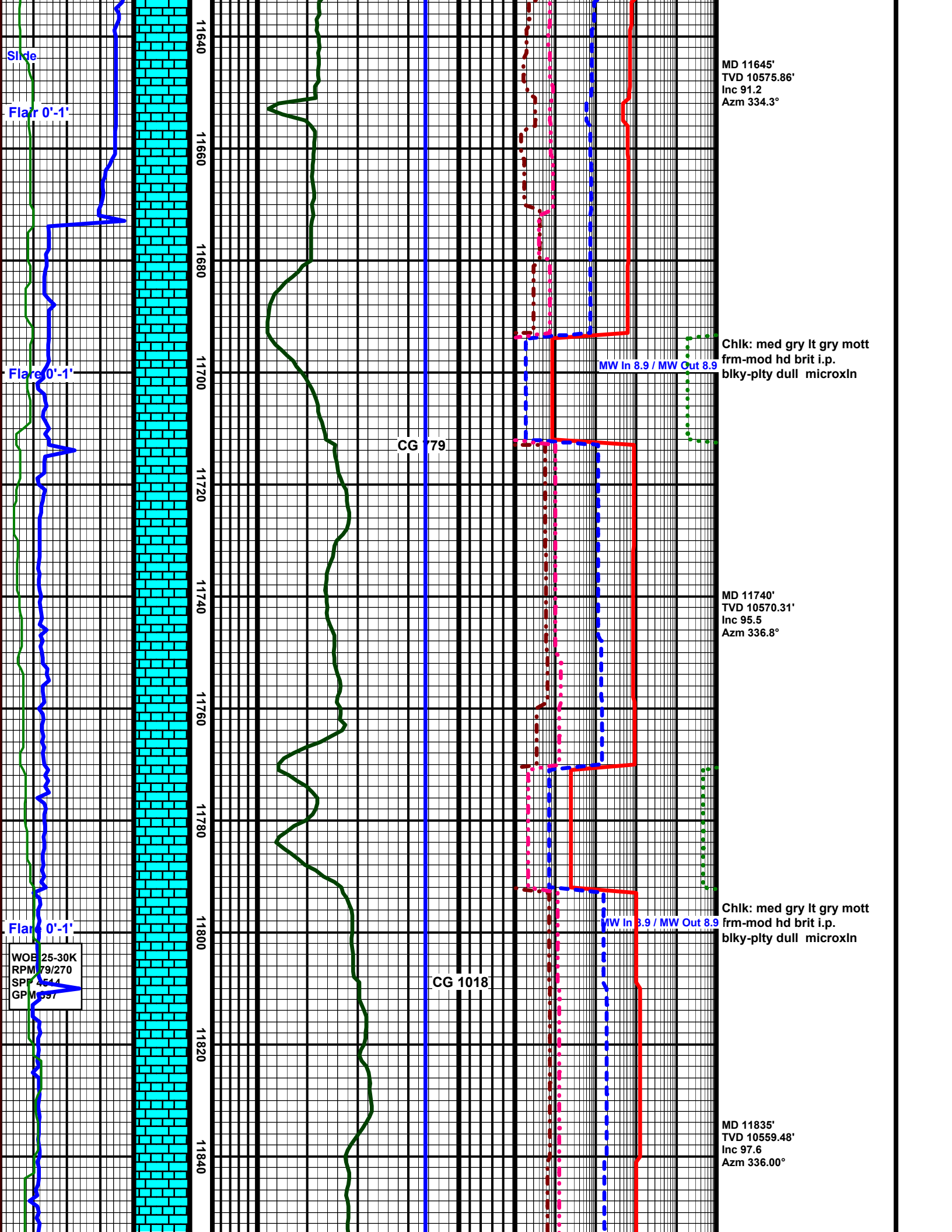


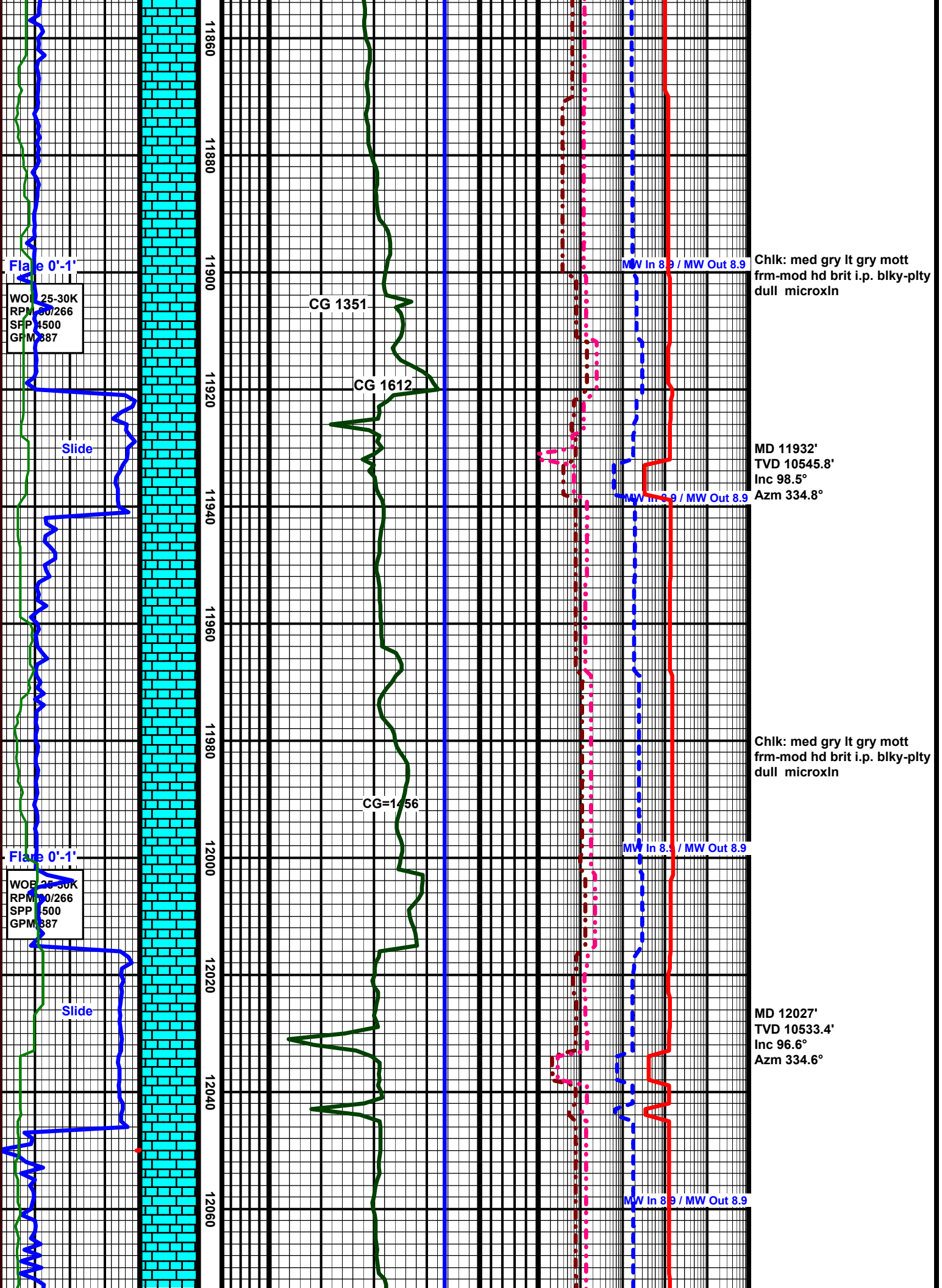


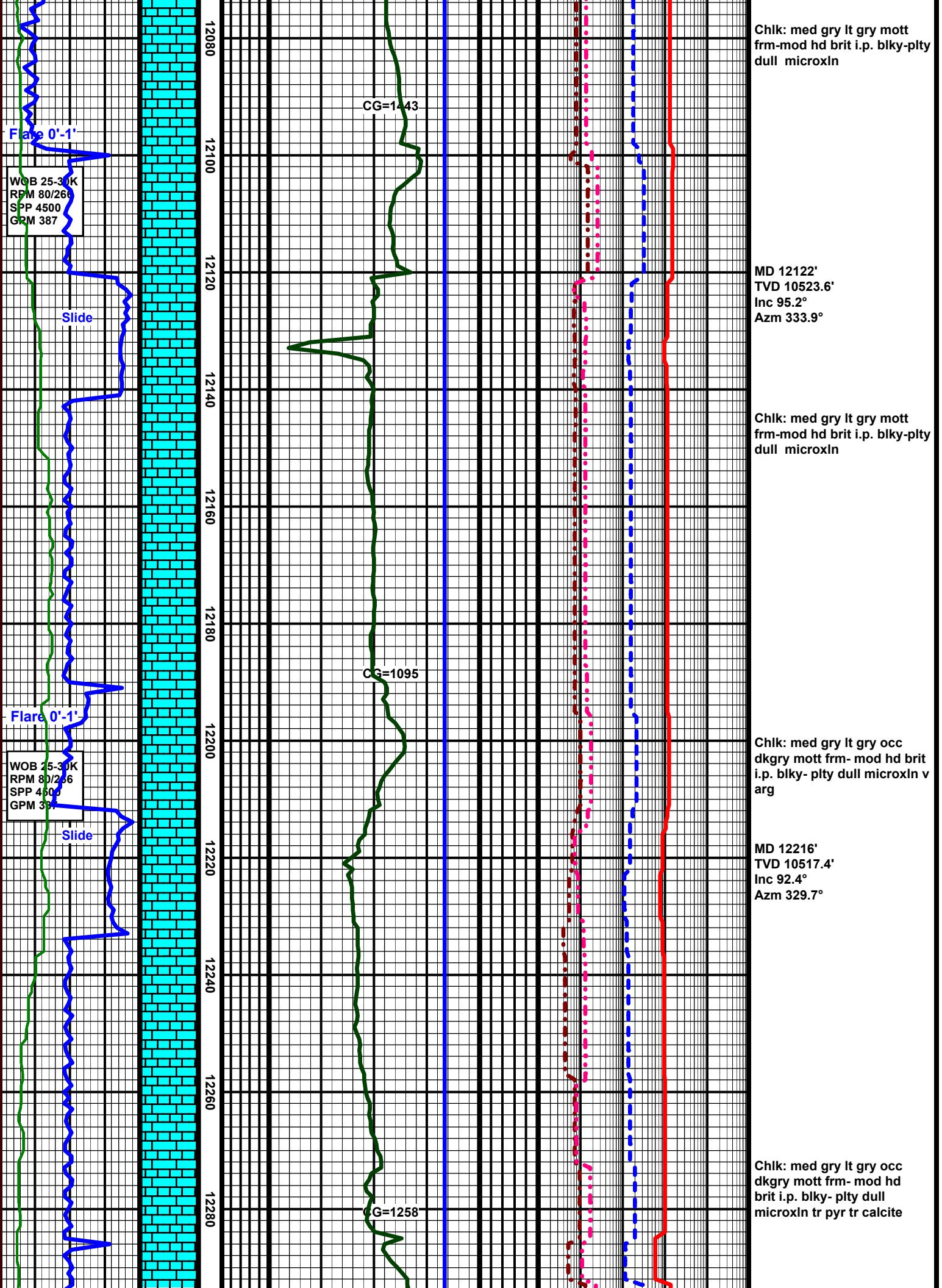


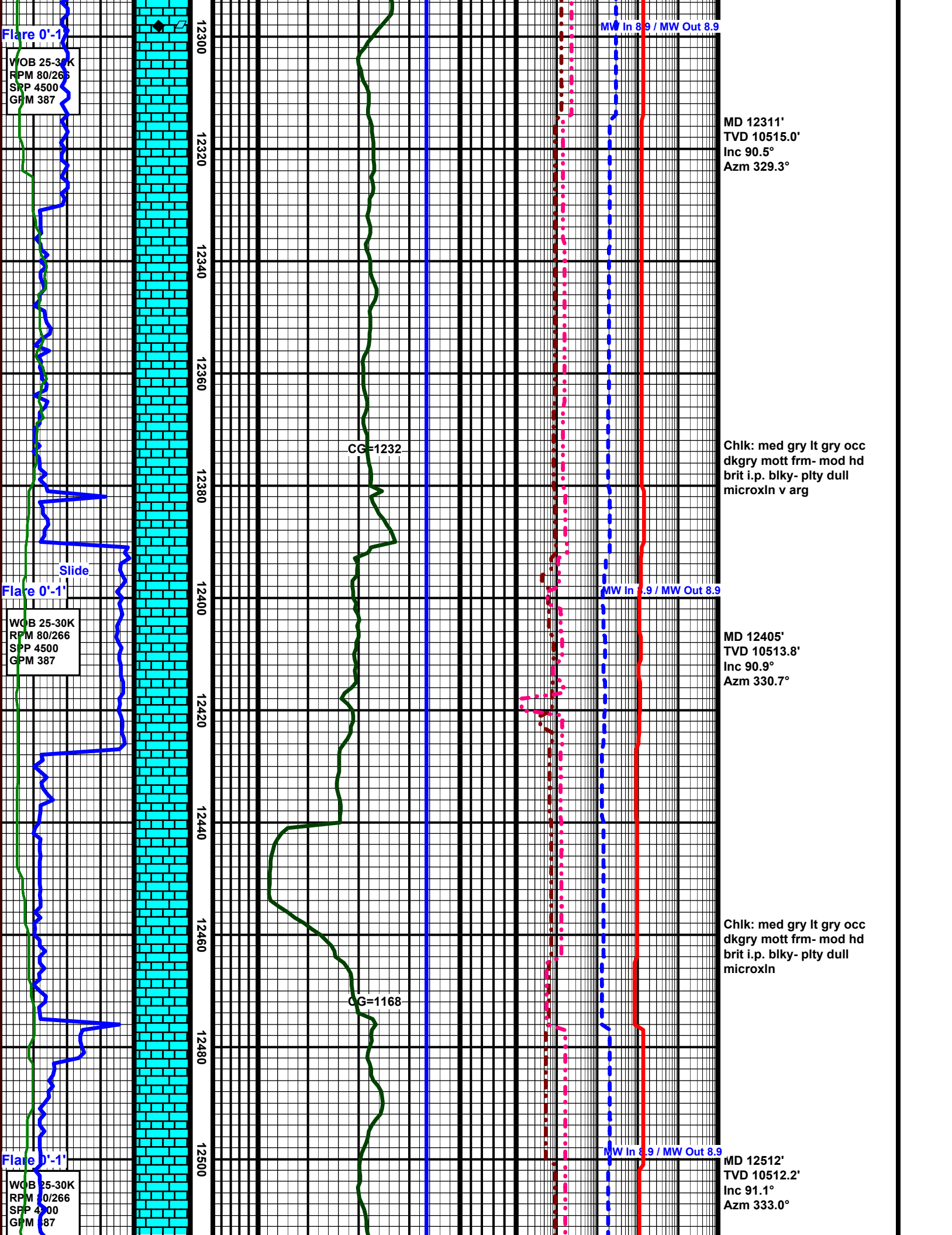


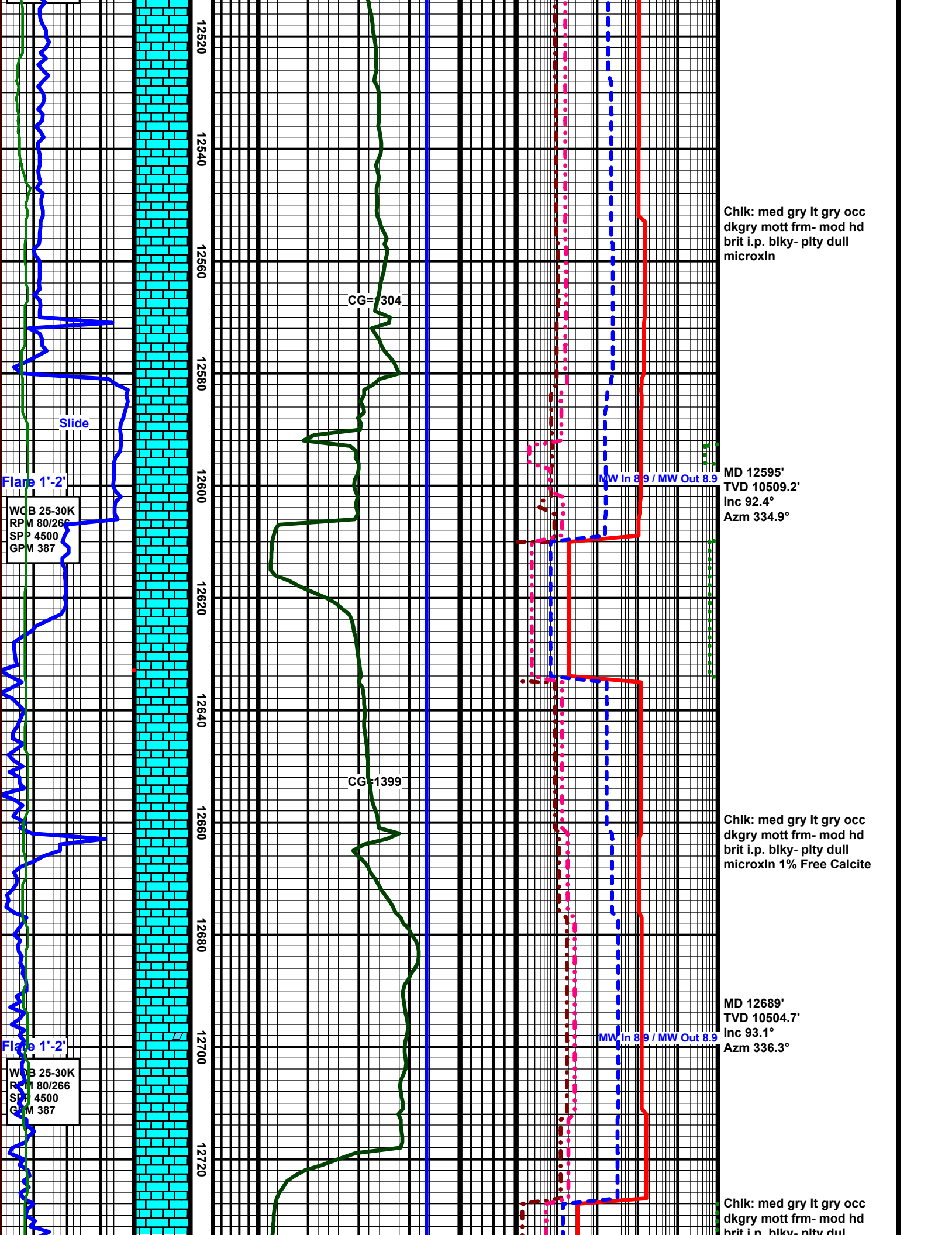


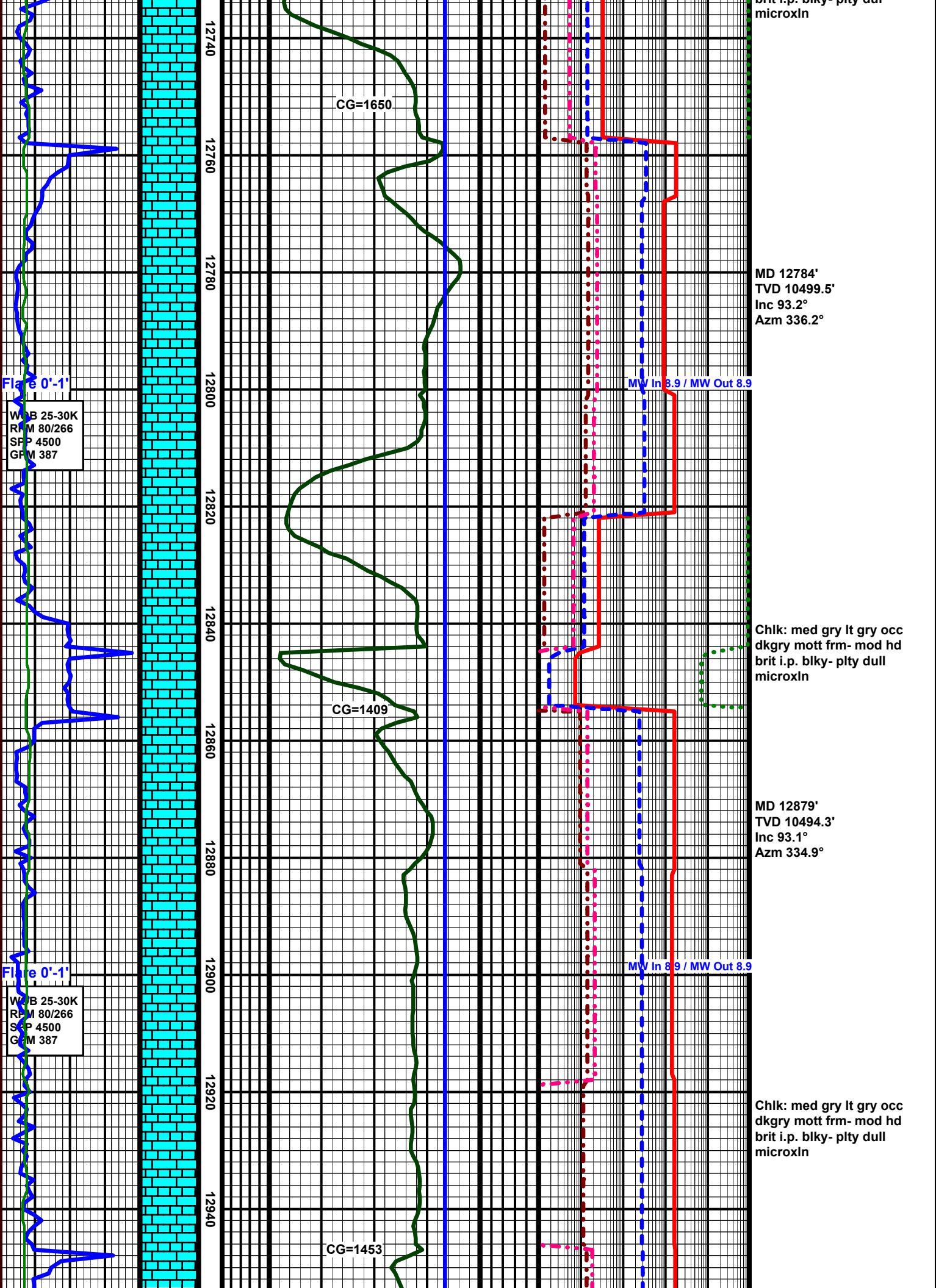


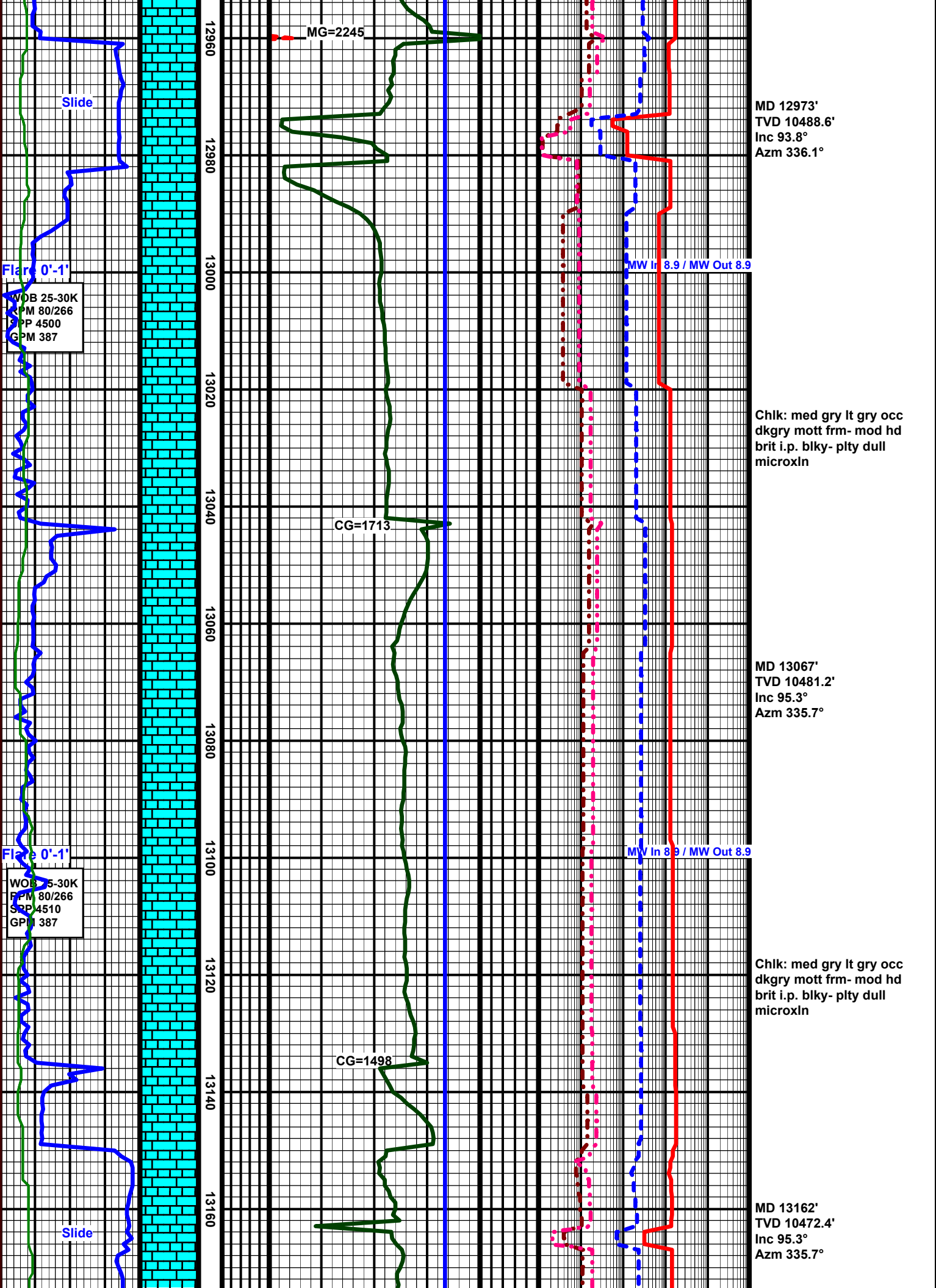


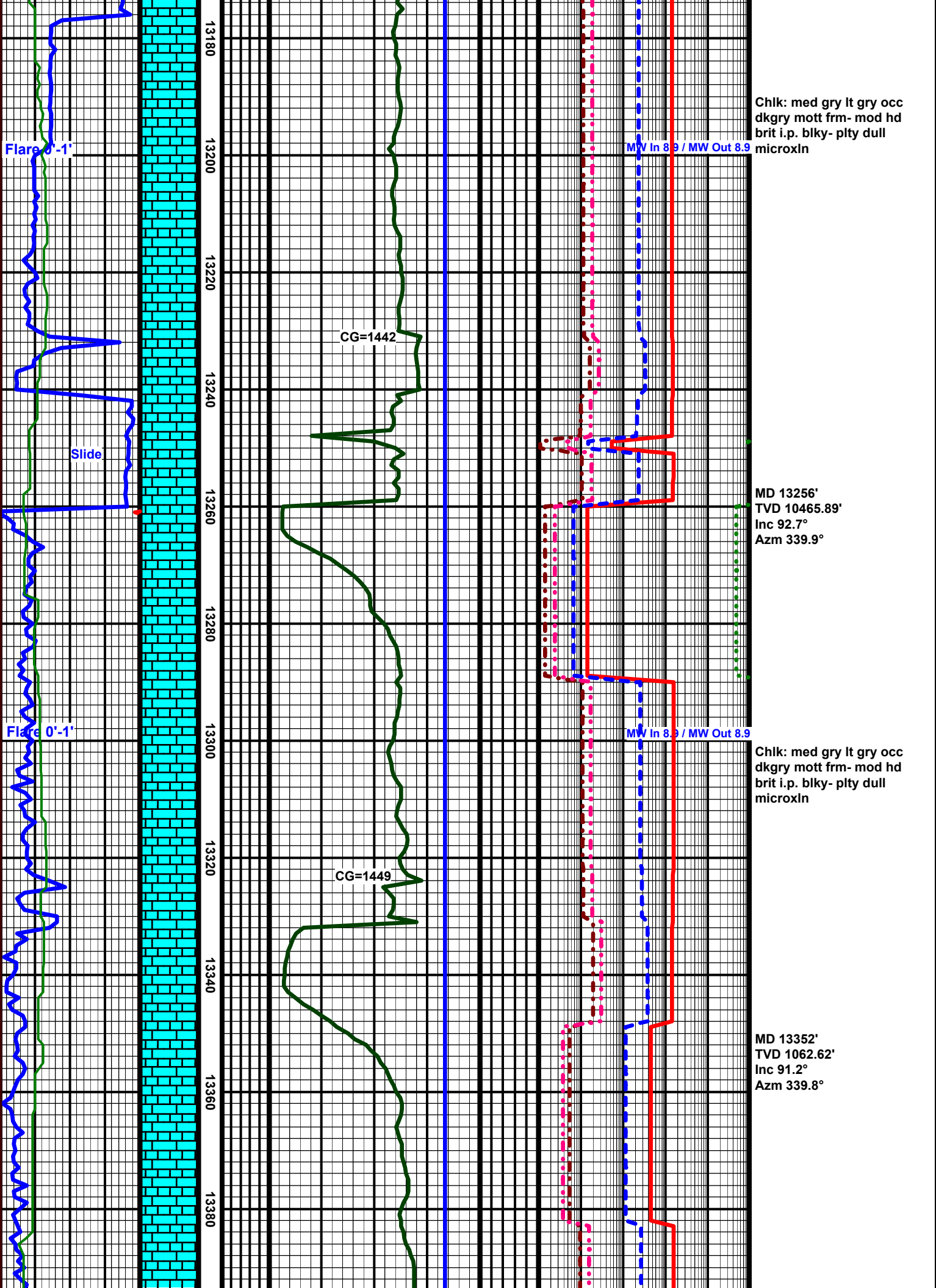


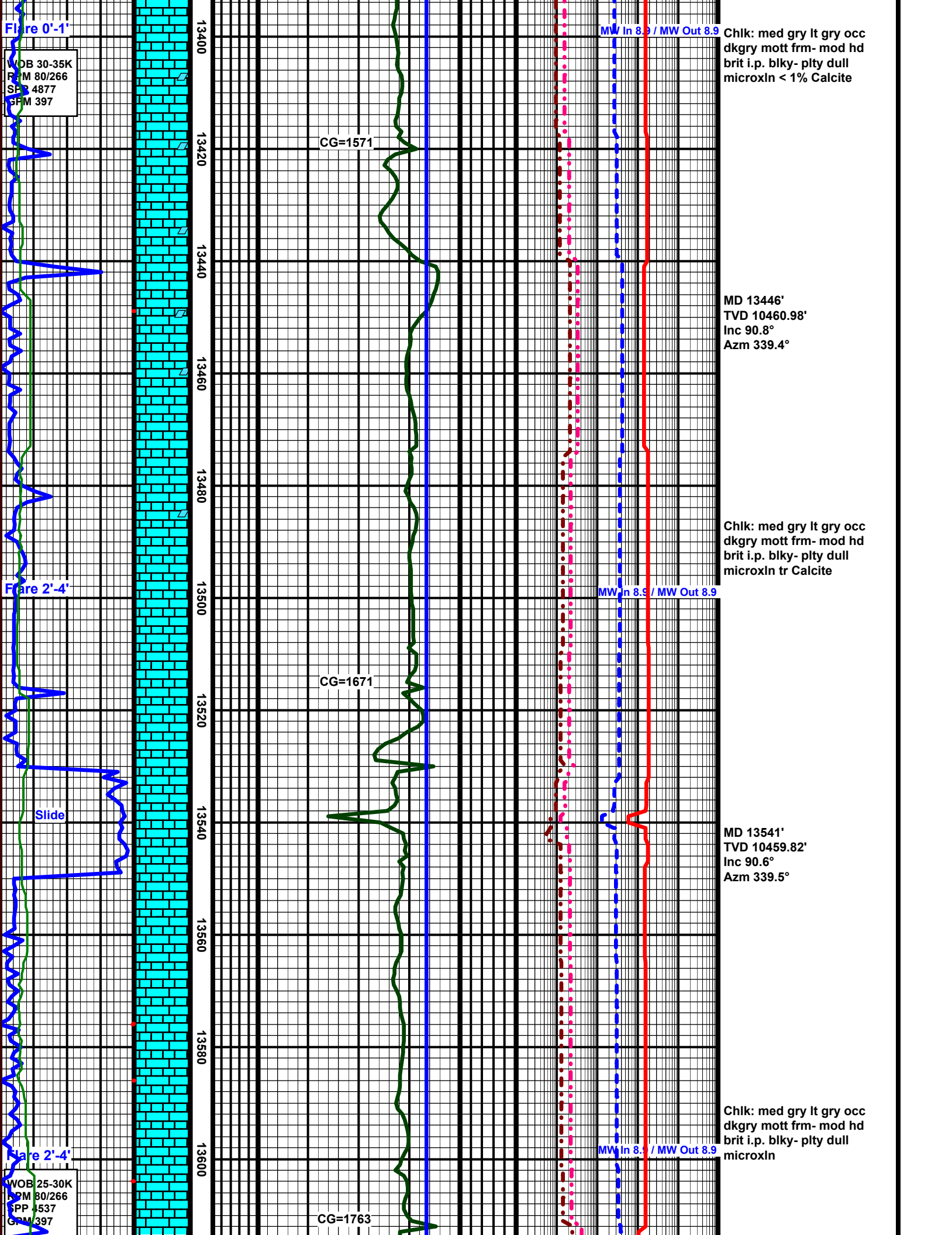


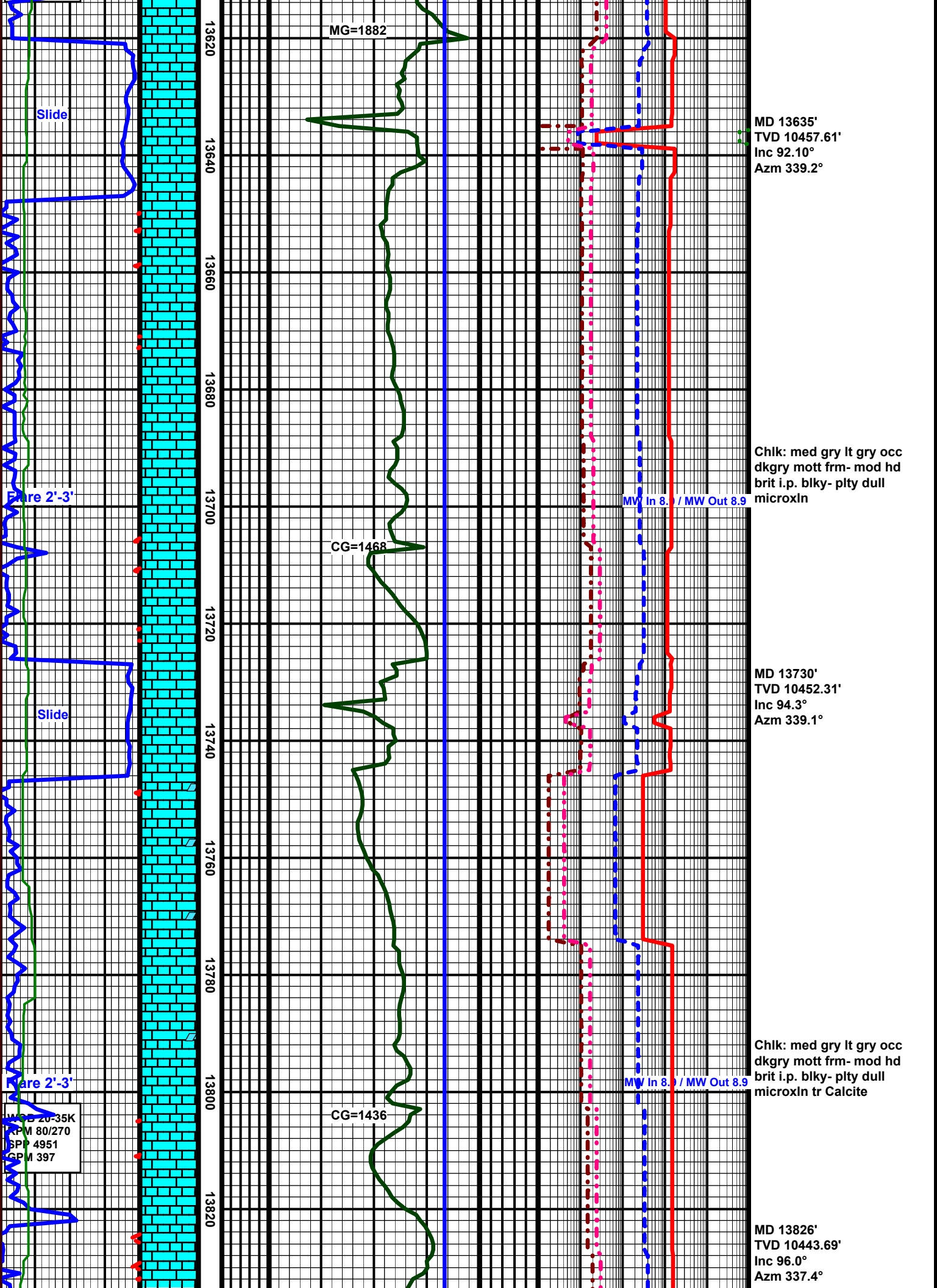


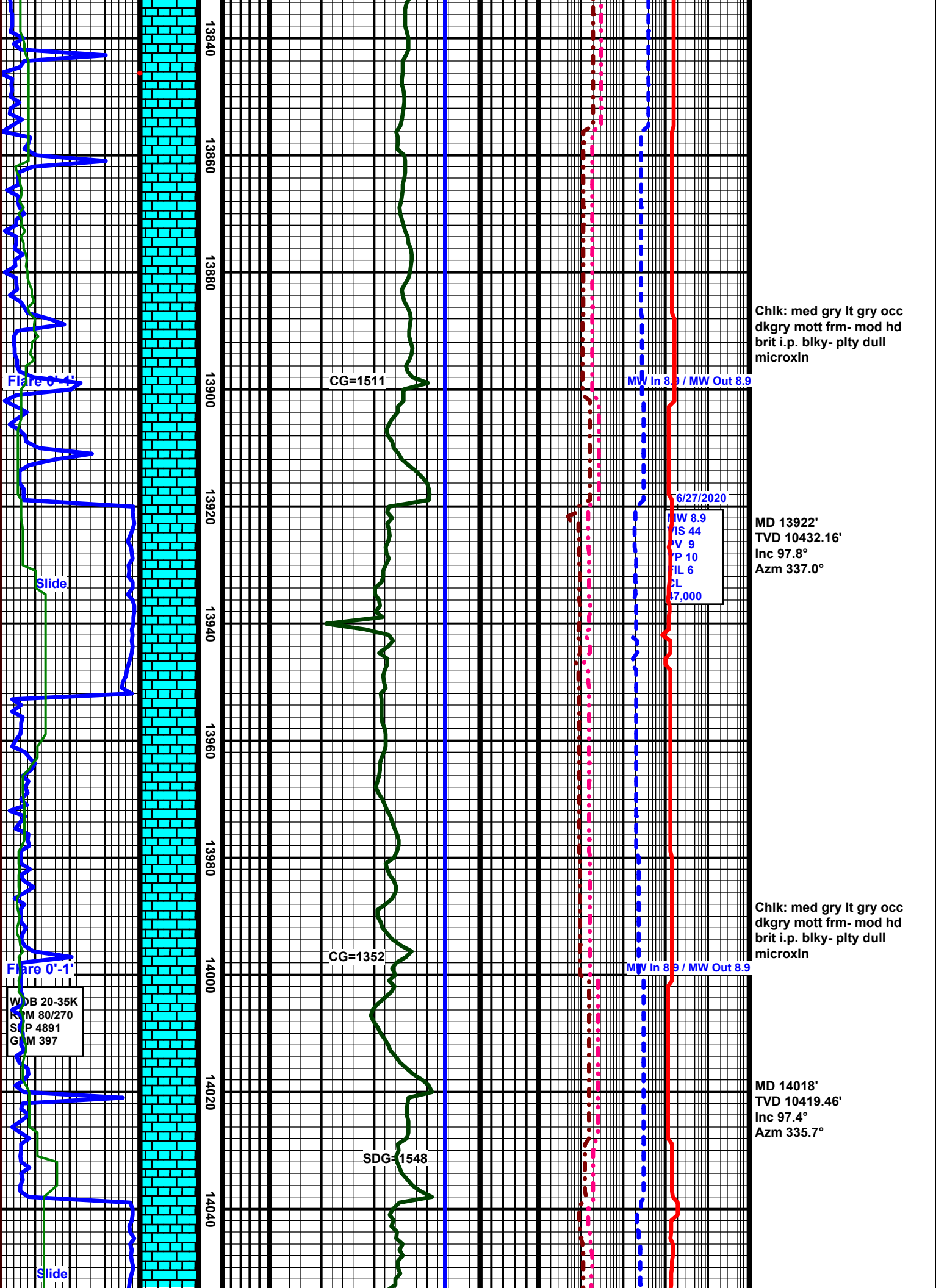


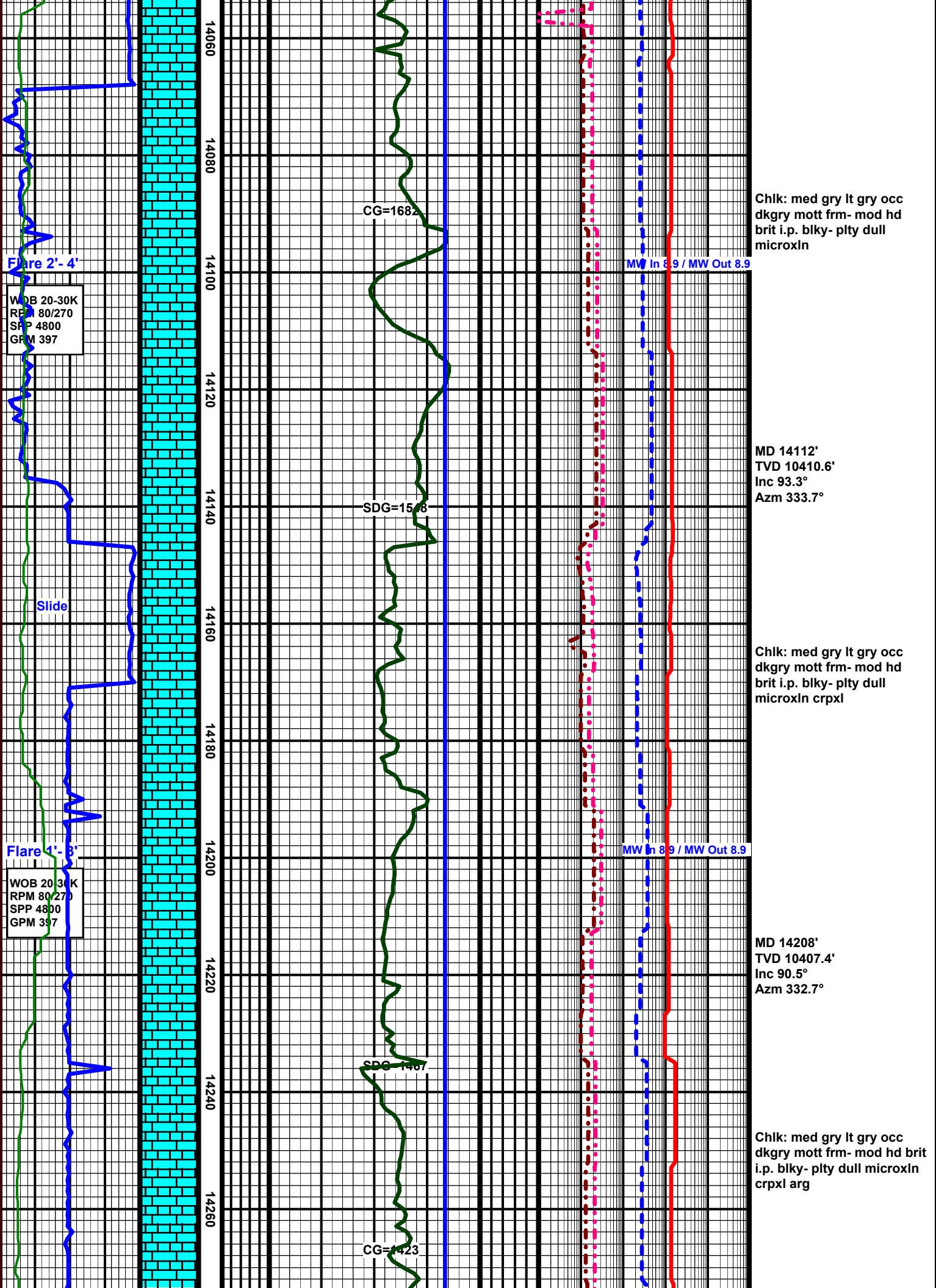


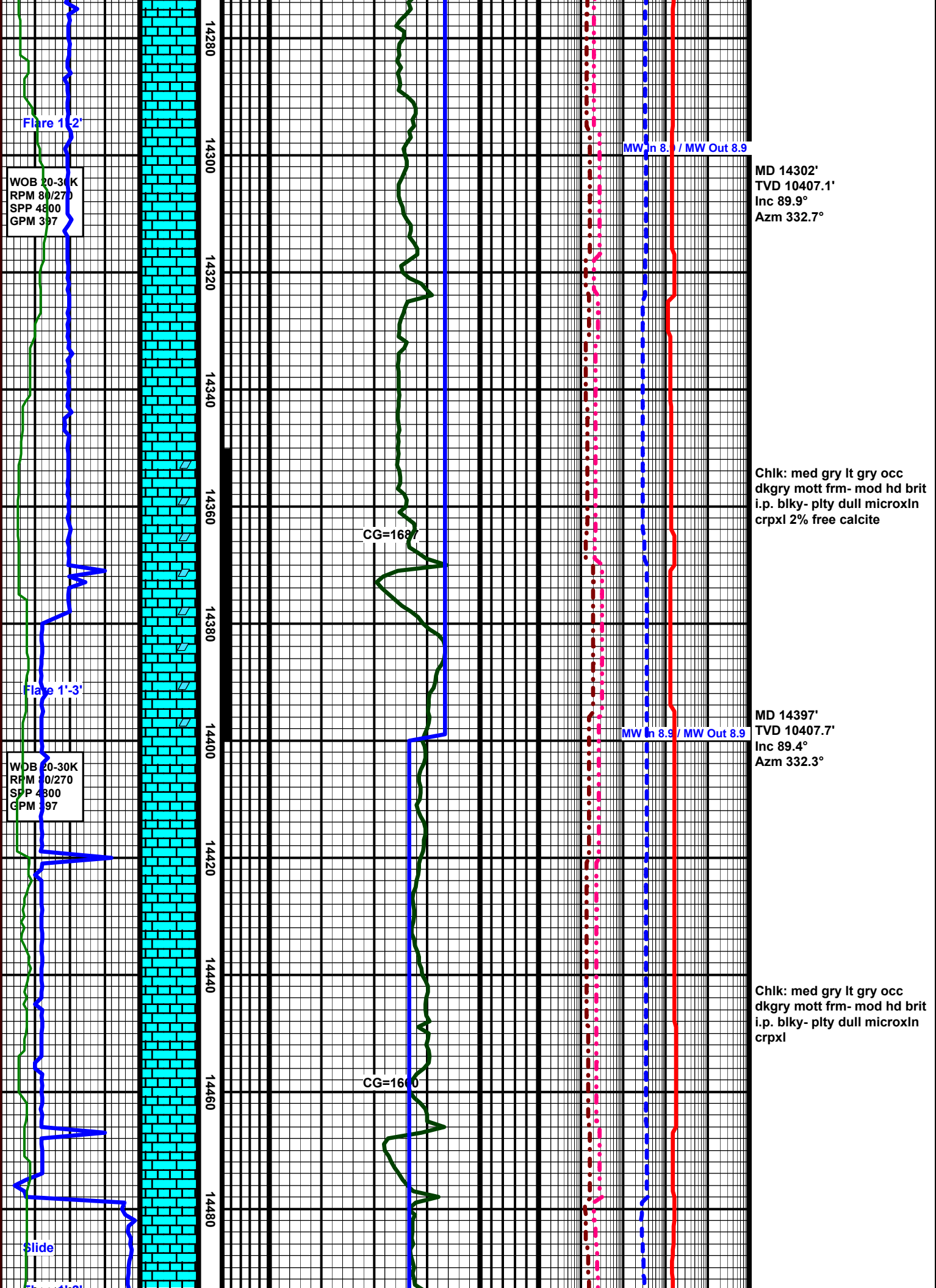










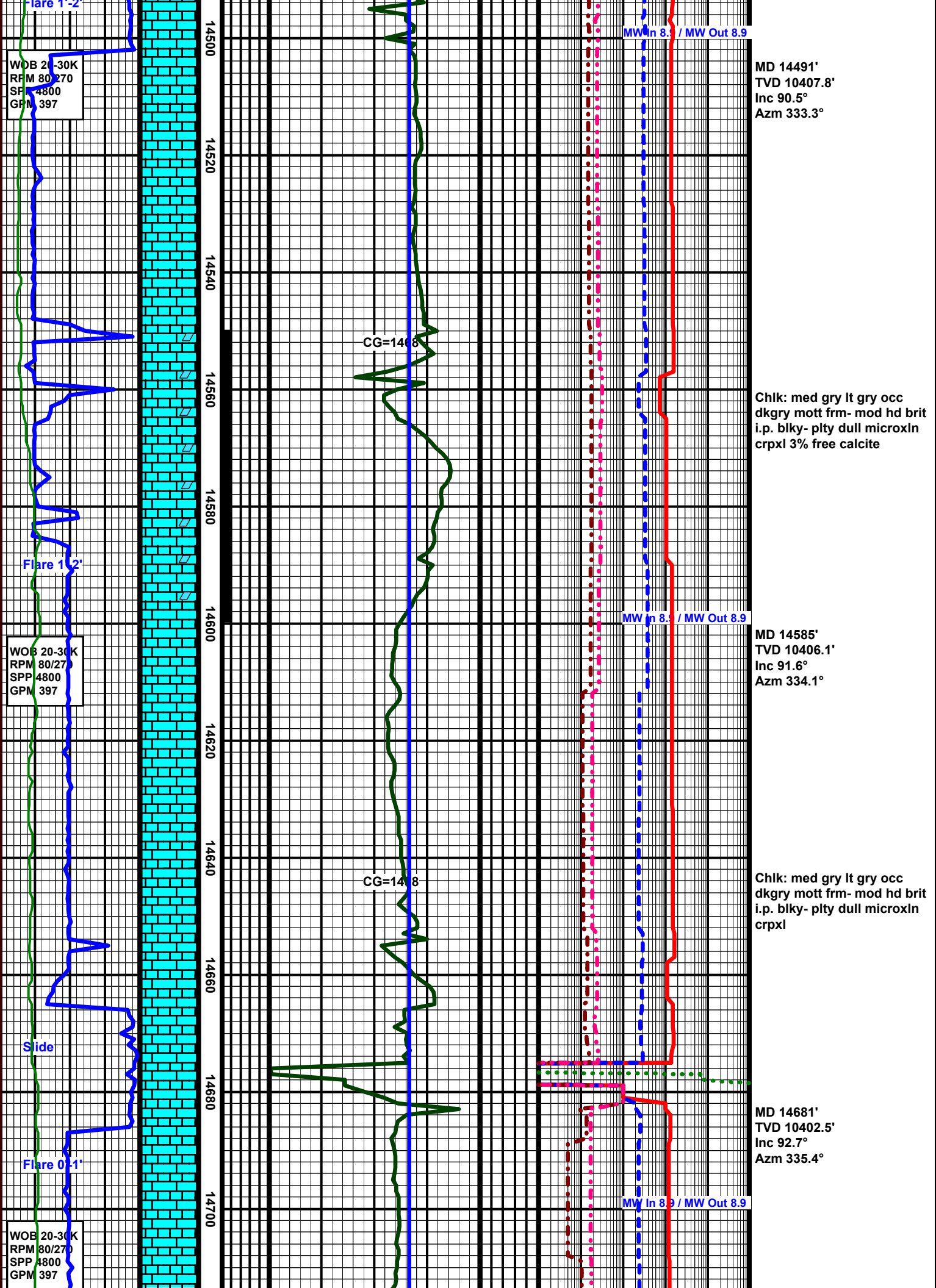


MD 14302'
TVD 10407.1'
Inc 89.9°
Azm 332.7°

Chlk: med gry lt gry occ
dkgry mott frm- mod hd brit
i.p. blk- pty dull microxln
crpxl 2% free calcite

MD 14397'
TVD 10407.7'
Inc 89.4°
Azm 332.3°

Chlk: med gry lt gry occ
dkgry mott frm- mod hd brit
i.p. blk- pty dull microxln
crpxl



WOB 20-30K
RPM 80/270
SPP 4800
GPM 397

WOB 20-30K
RPM 80/270
SPP 4800
GPM 397

WOB 20-30K
RPM 80/270
SPP 4800
GPM 397

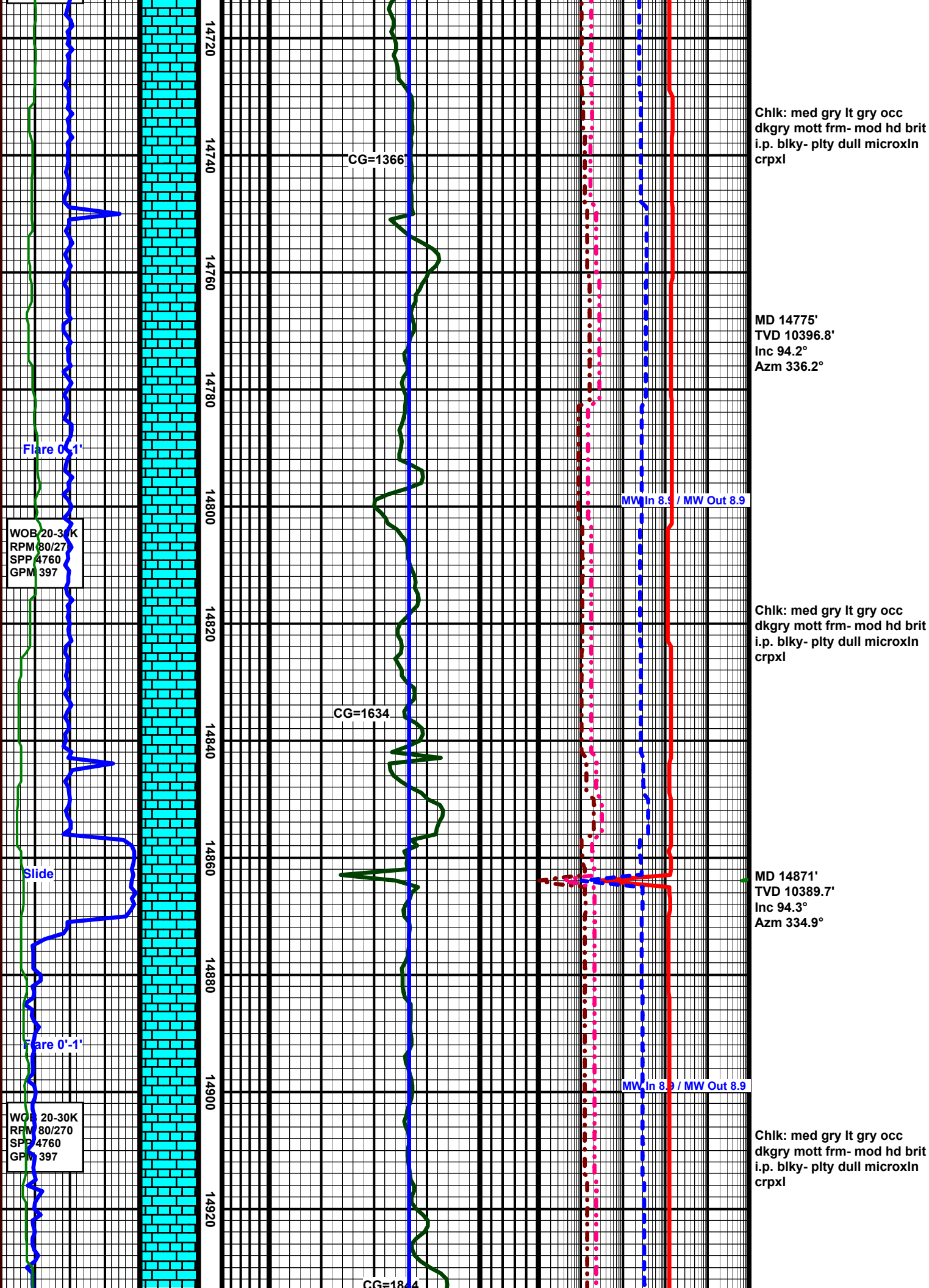
MD 14491'
TVD 10407.8'
Inc 90.5°
Azm 333.3°

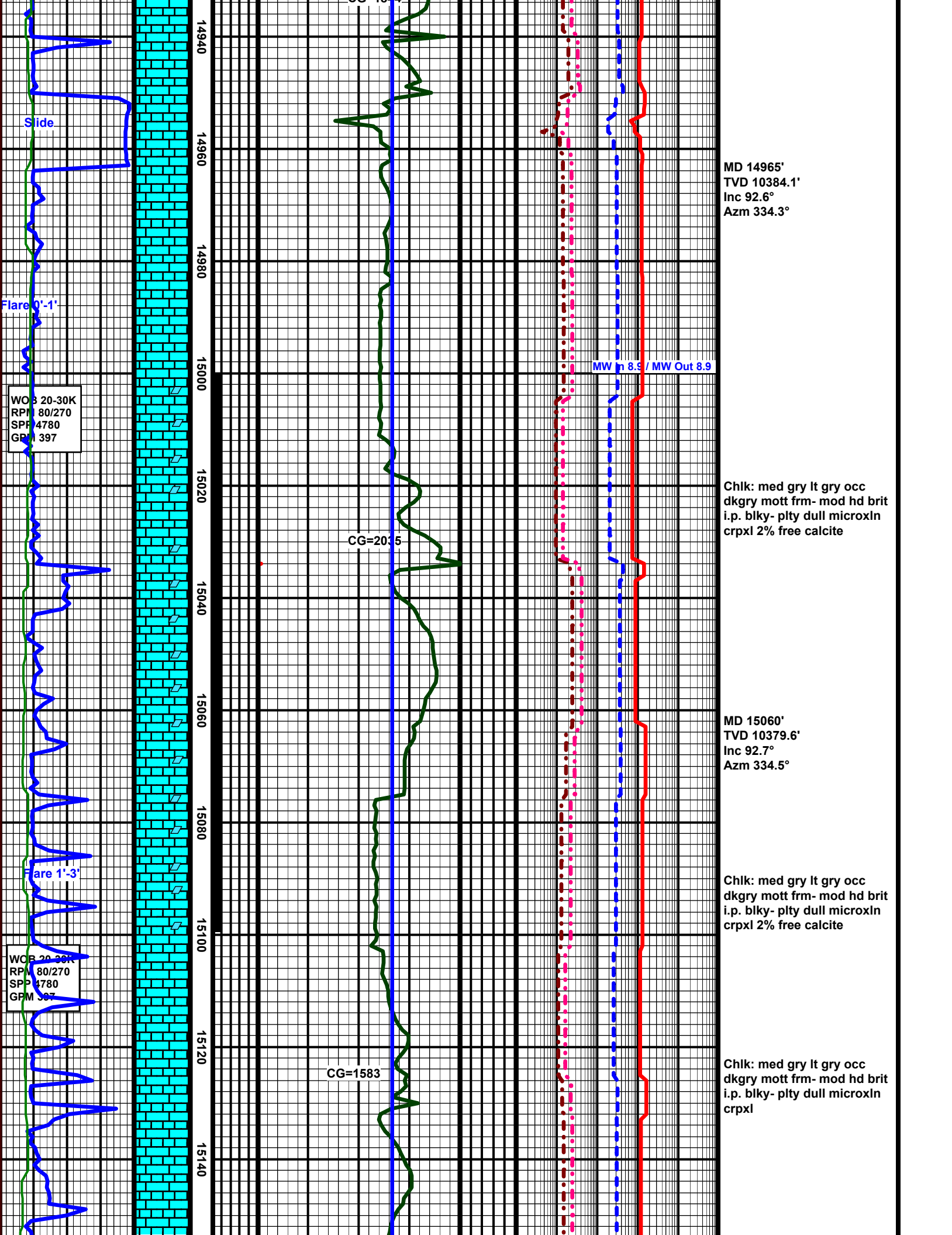
Chlk: med gry lt gry occ
dk gry mott frm- mod hd brit
i.p. blk- pty dull microxln
crpxl 3% free calcite

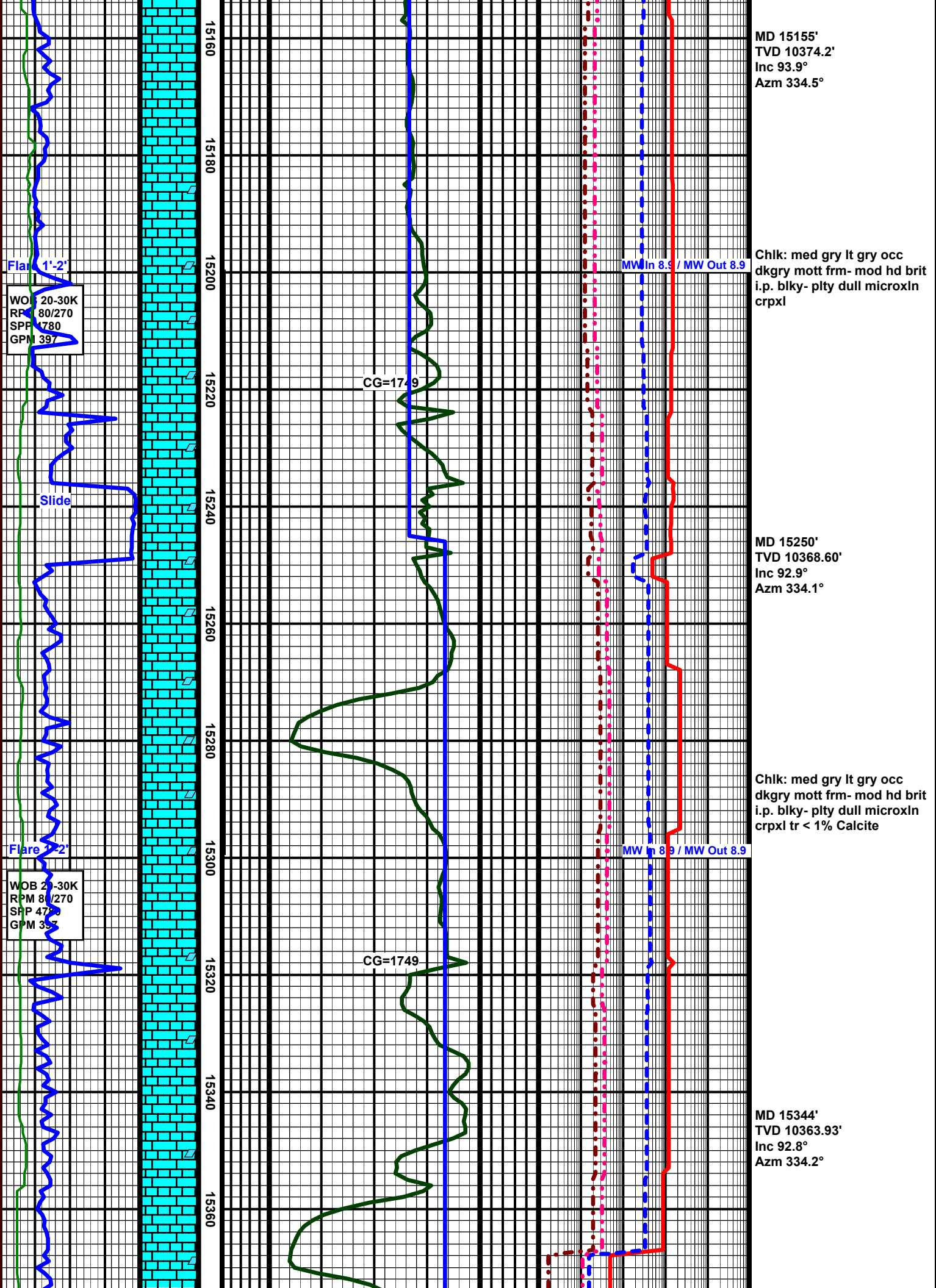
MD 14585'
TVD 10406.1'
Inc 91.6°
Azm 334.1°

Chlk: med gry lt gry occ
dk gry mott frm- mod hd brit
i.p. blk- pty dull microxln
crpxl

MD 14681'
TVD 10402.5'
Inc 92.7°
Azm 335.4°







MD 15155'
TVD 10374.2'
Inc 93.9°
Azm 334.5°

Chlk: med gry lt gry occ
dkgry mott frm- mod hd brit
i.p. blk- plty dull microxln
crpxl

MD 15250'
TVD 10368.60'
Inc 92.9°
Azm 334.1°

Chlk: med gry lt gry occ
dkgry mott frm- mod hd brit
i.p. blk- plty dull microxln
crpxl tr < 1% Calcite

MD 15344'
TVD 10363.93'
Inc 92.8°
Azm 334.2°

