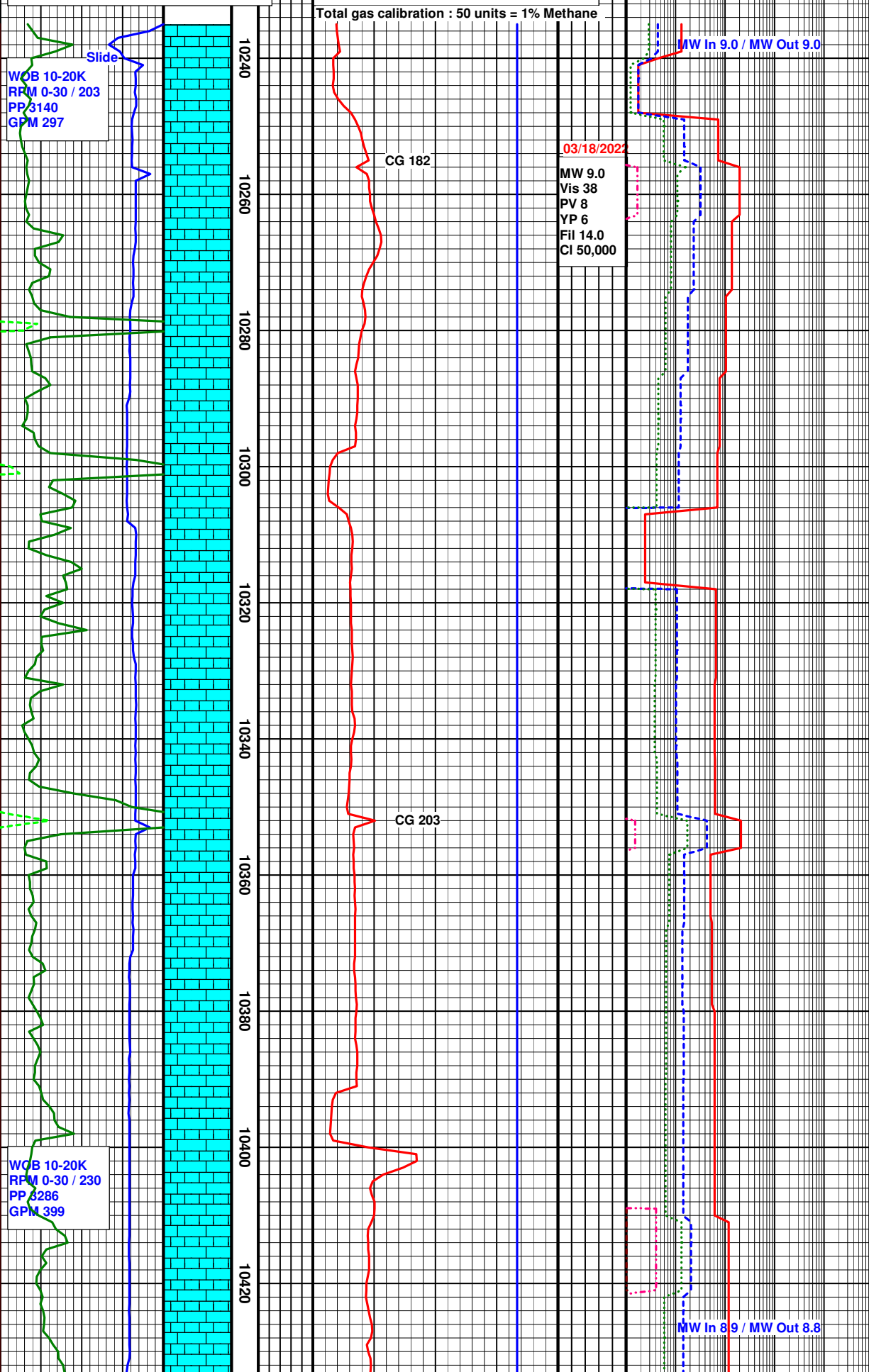




7 5/8" 29.7# casing @ 10,148' MD  
Tested to 2162psi w/ 8.9ppg MW  
EMW = 13.0ppg

**Total gas calibration : 50 units = 1% Methane**



Chlk: lt gry gry tn mott frm  
brit i.p. blky plty flky dull  
microxln

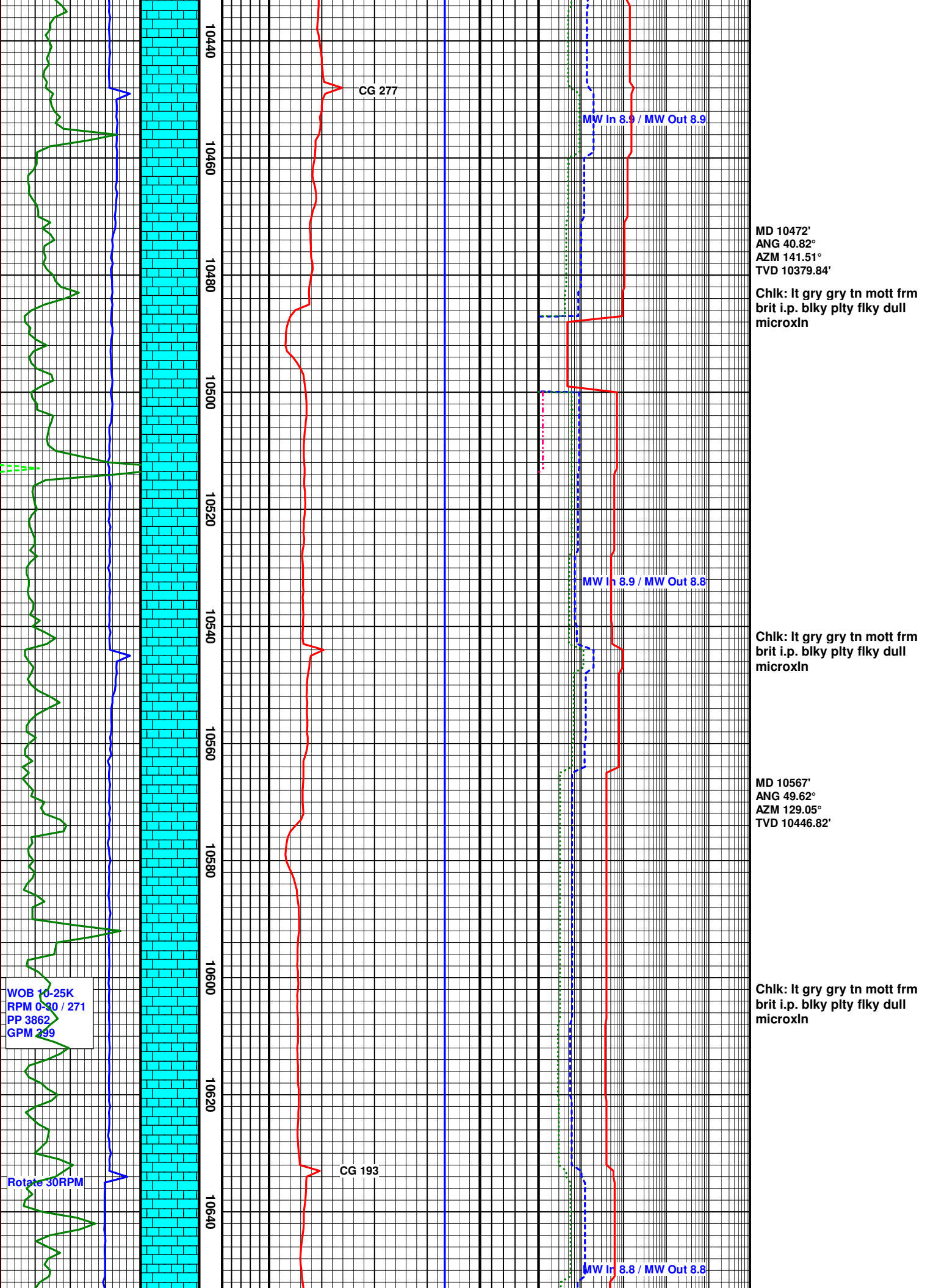
MD 10283'  
ANG 23.35°  
AZM 138.54°  
TVD 10219.74'

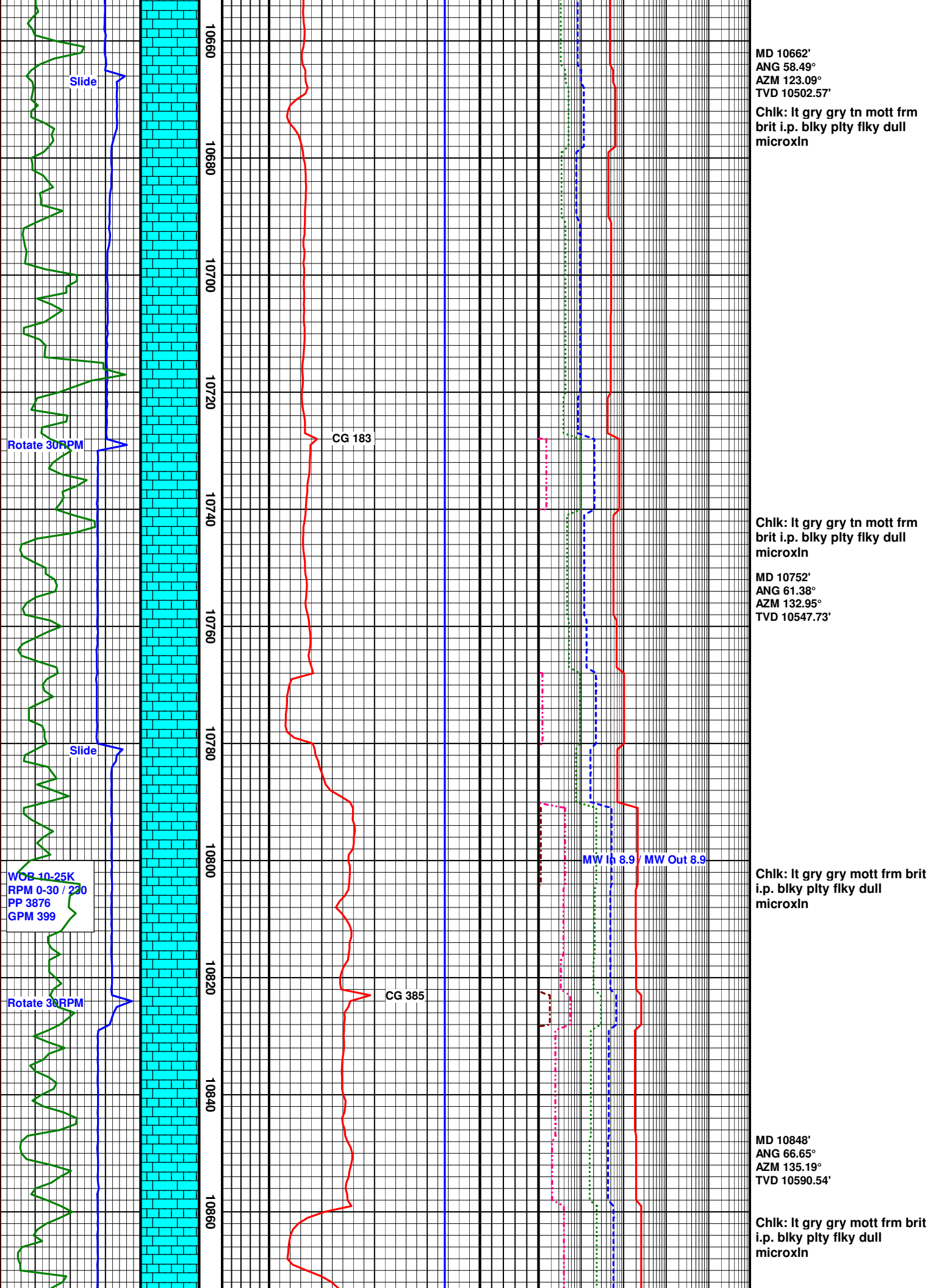
Chlk: It gry gry tn mott frm  
brit i.p. blky plty flky dull  
microxln

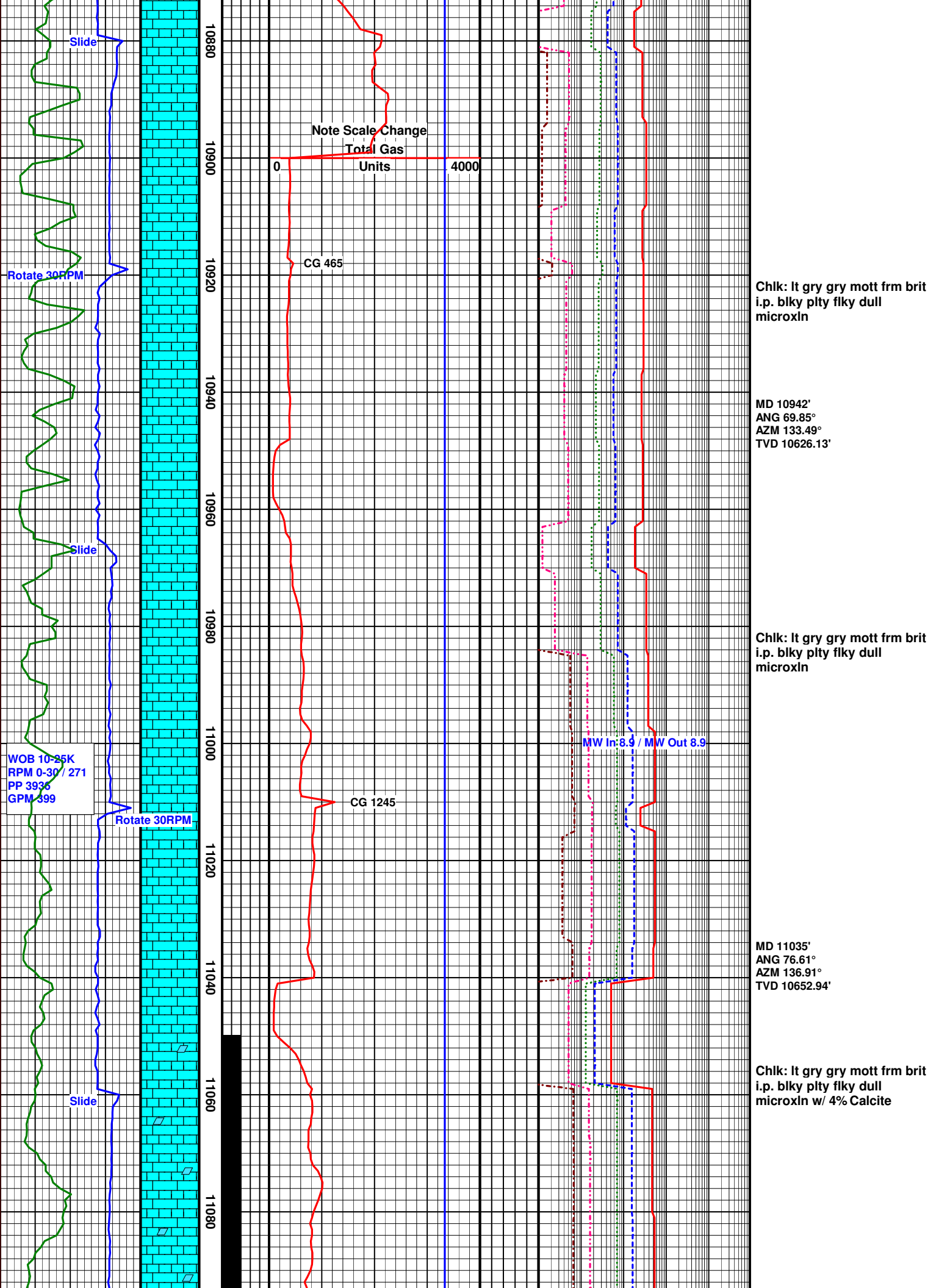
Chlk: lt gry gry tn mott frm  
brit i.p. blky plty flky dull  
microxln

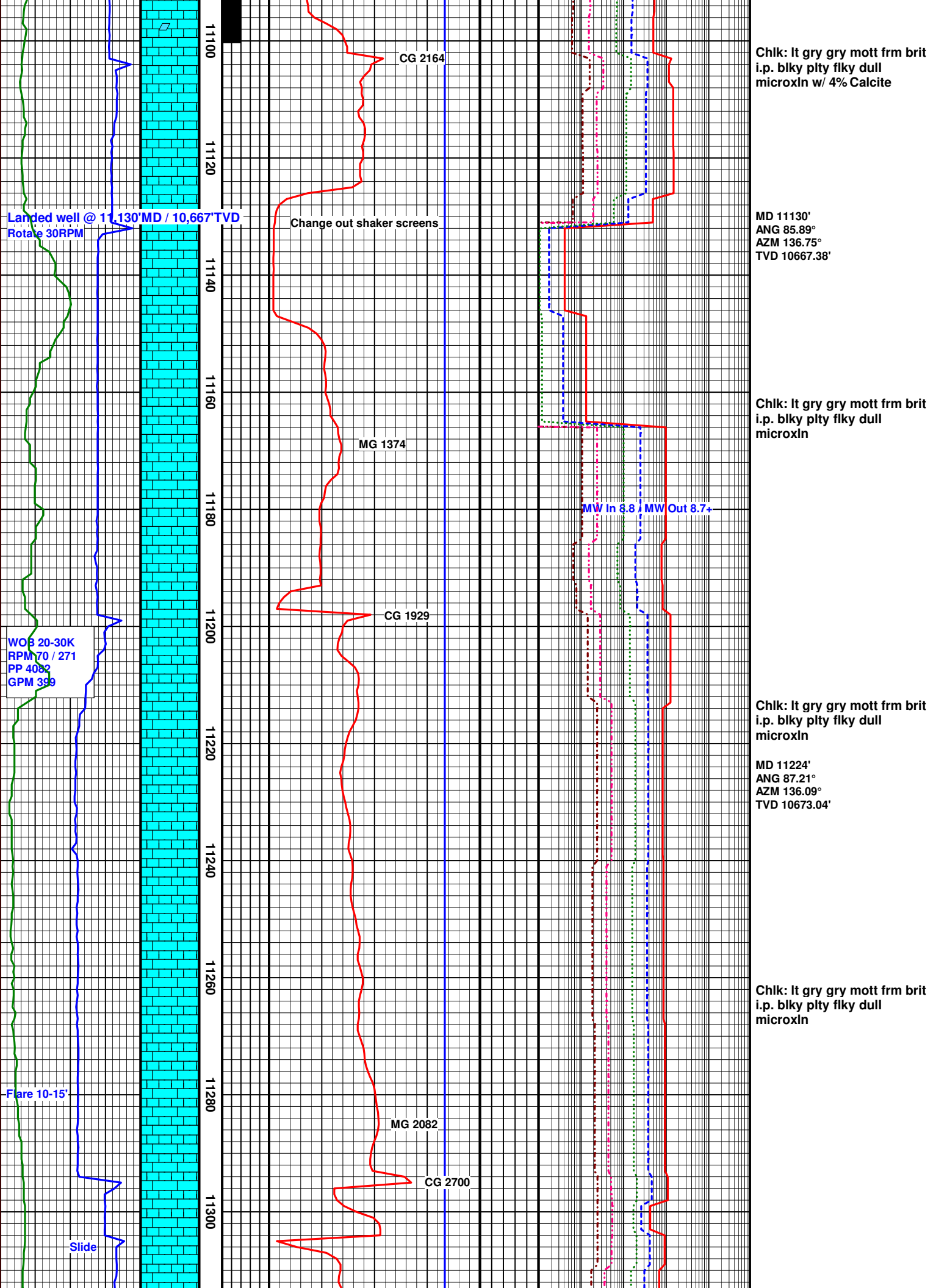
MD 10378'  
ANG 31.47°  
AZM 143.69°  
TVD 10304.01'

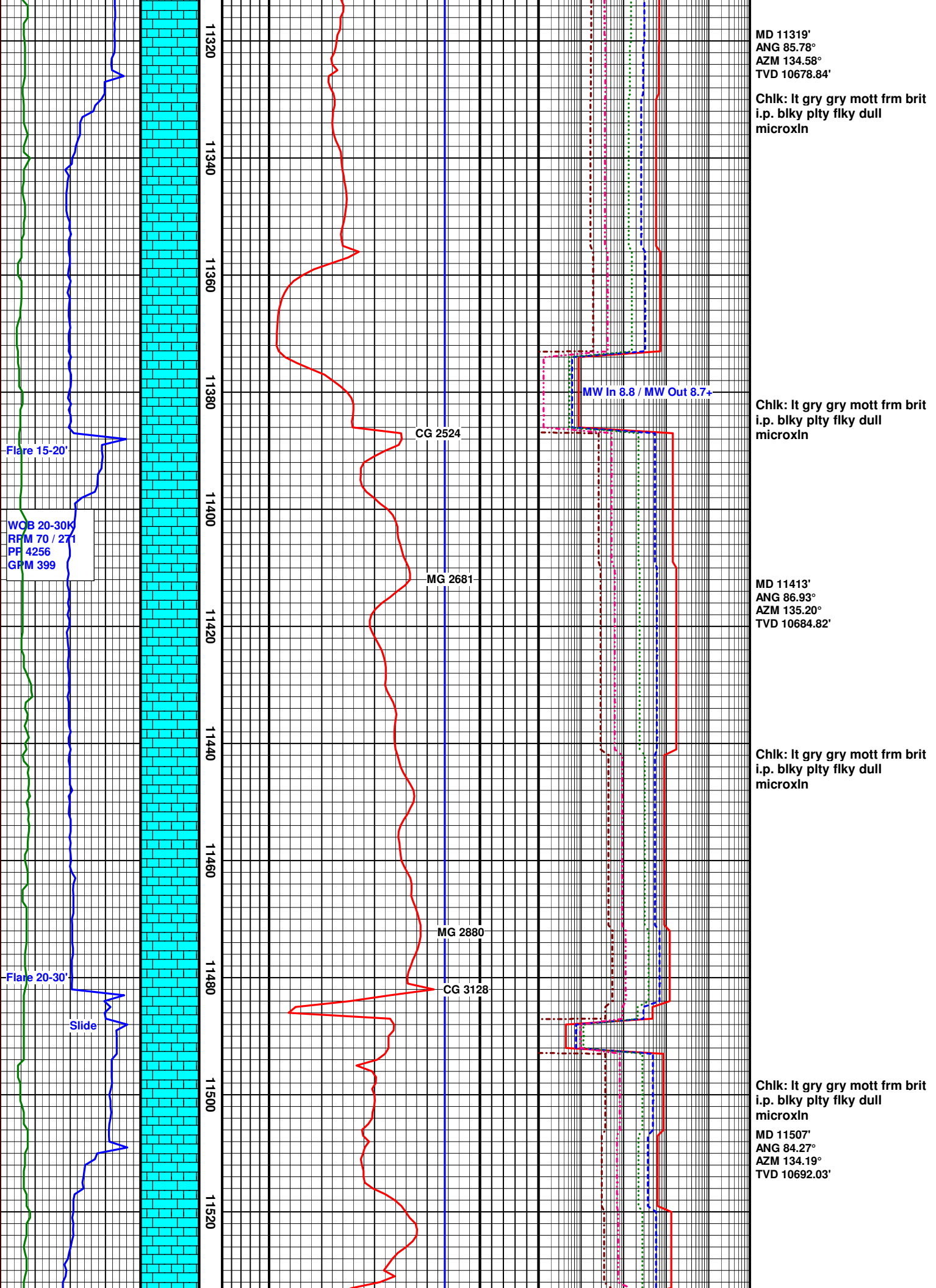
Chlk: It gry gry tn mott frm  
brit i.p. blky plty flky dull  
microxln

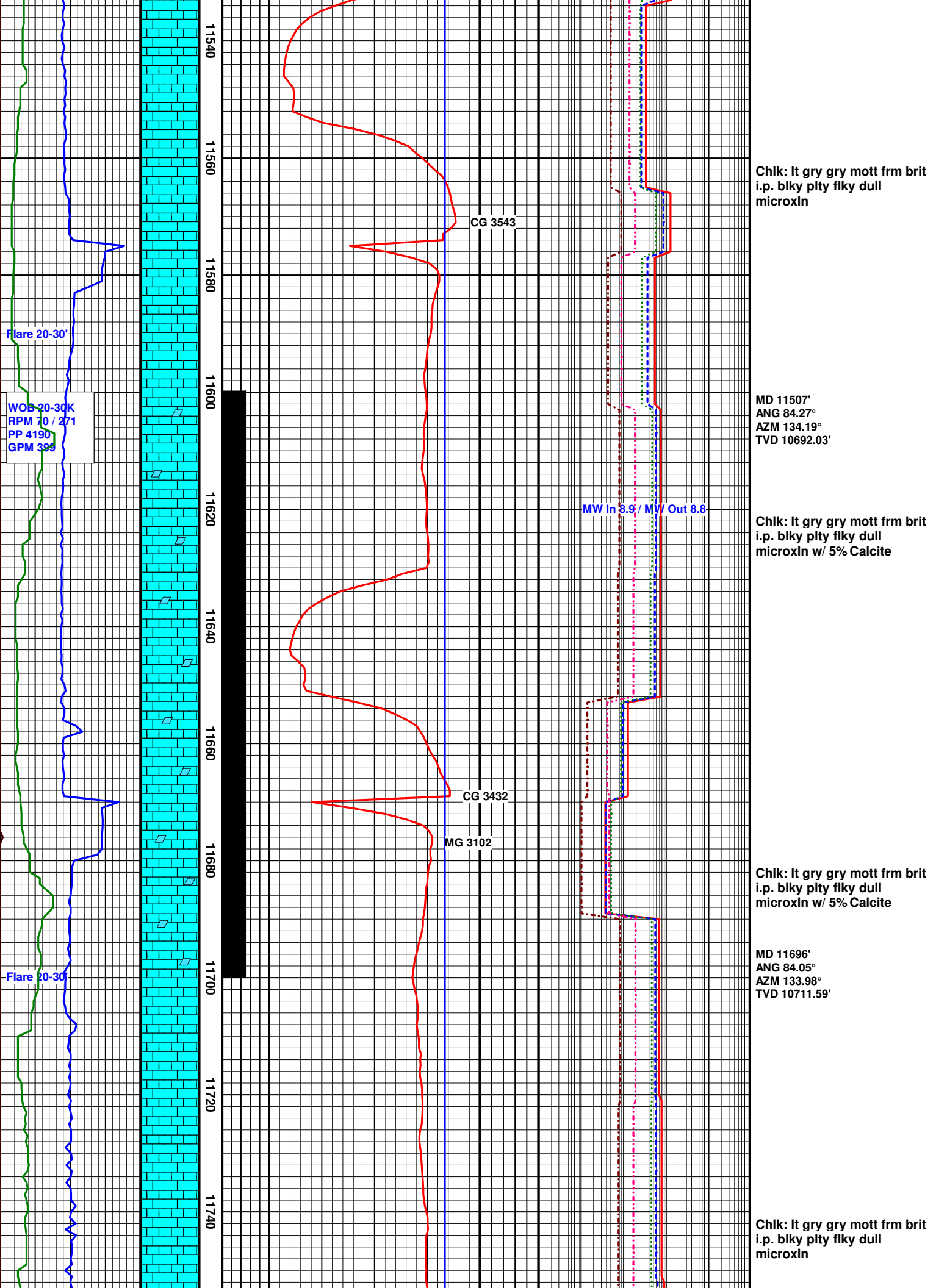




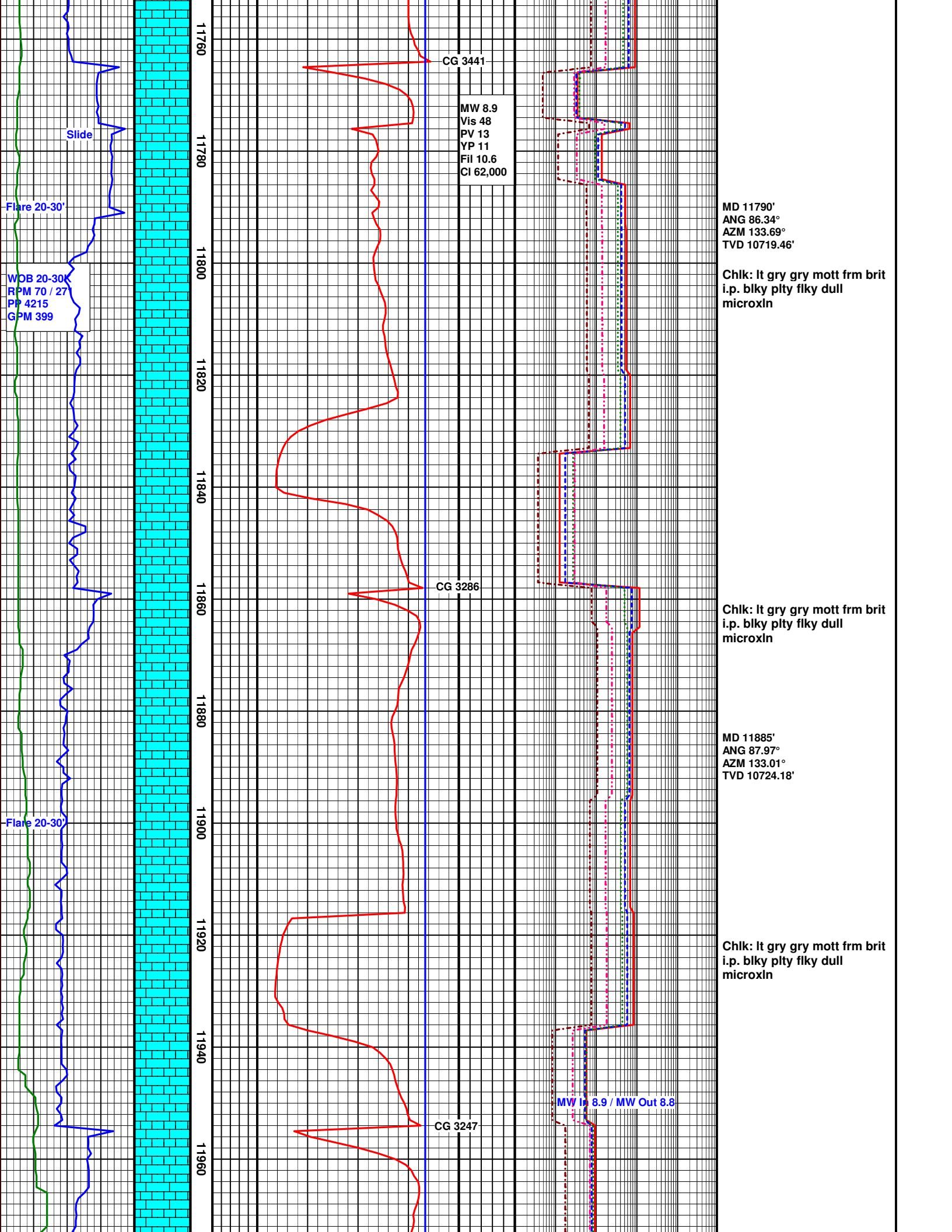


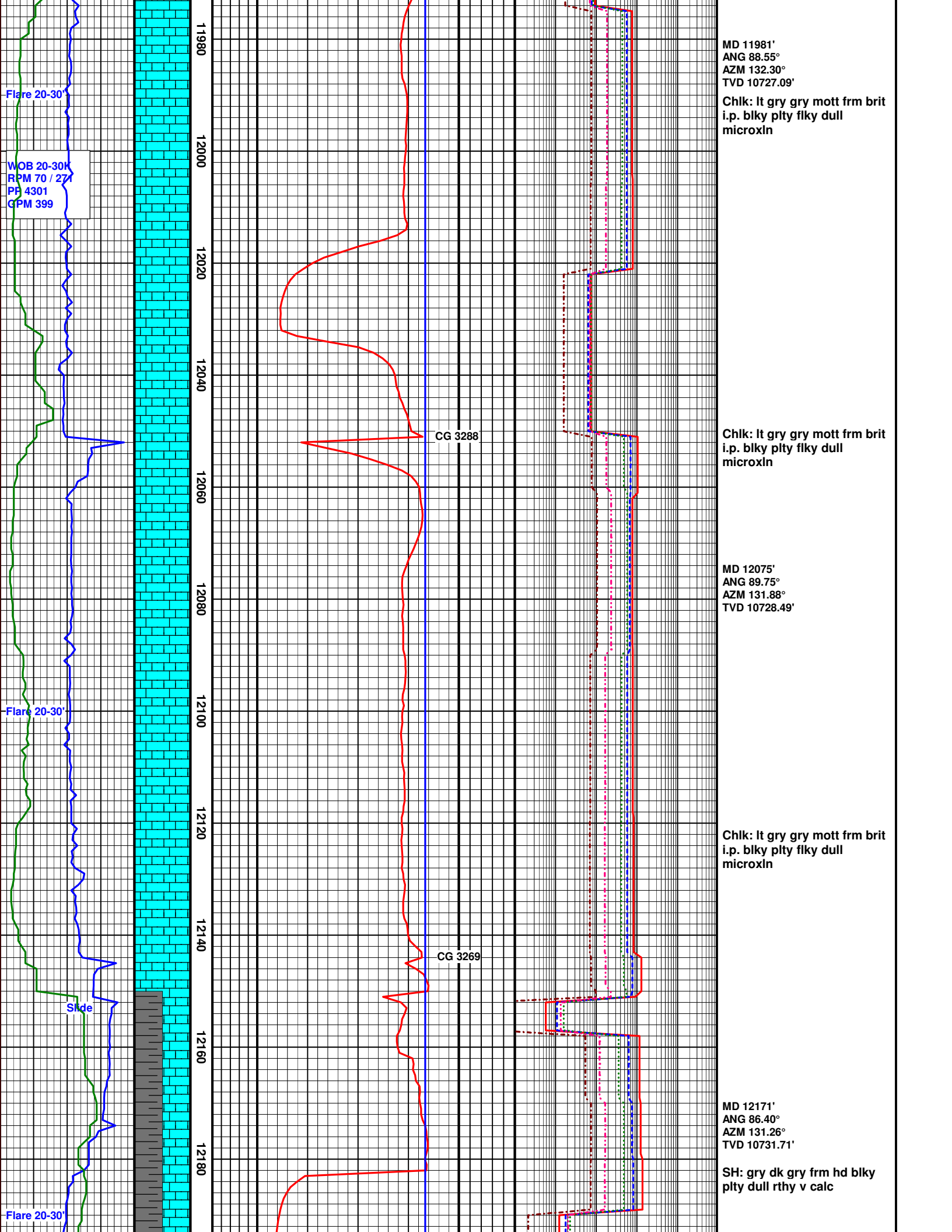


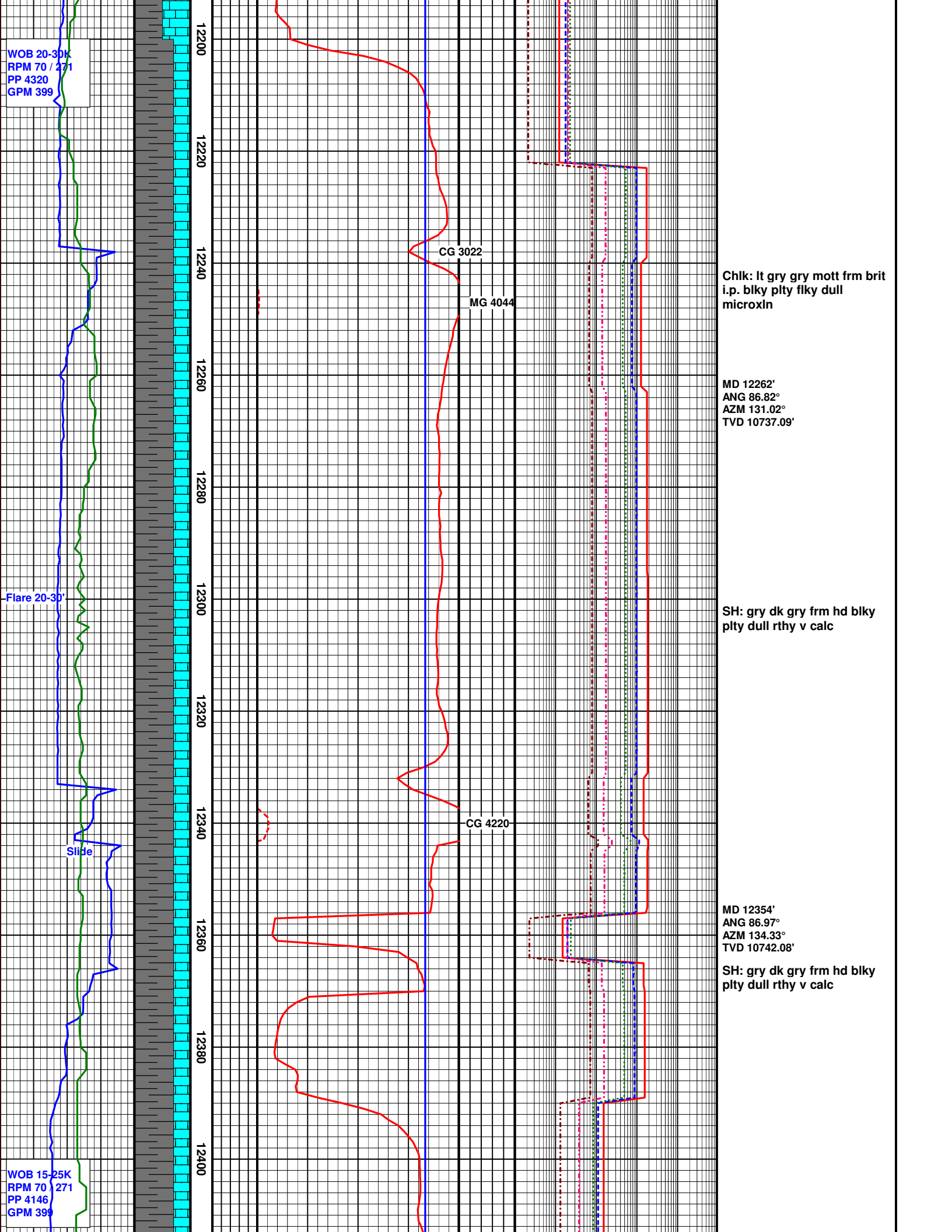


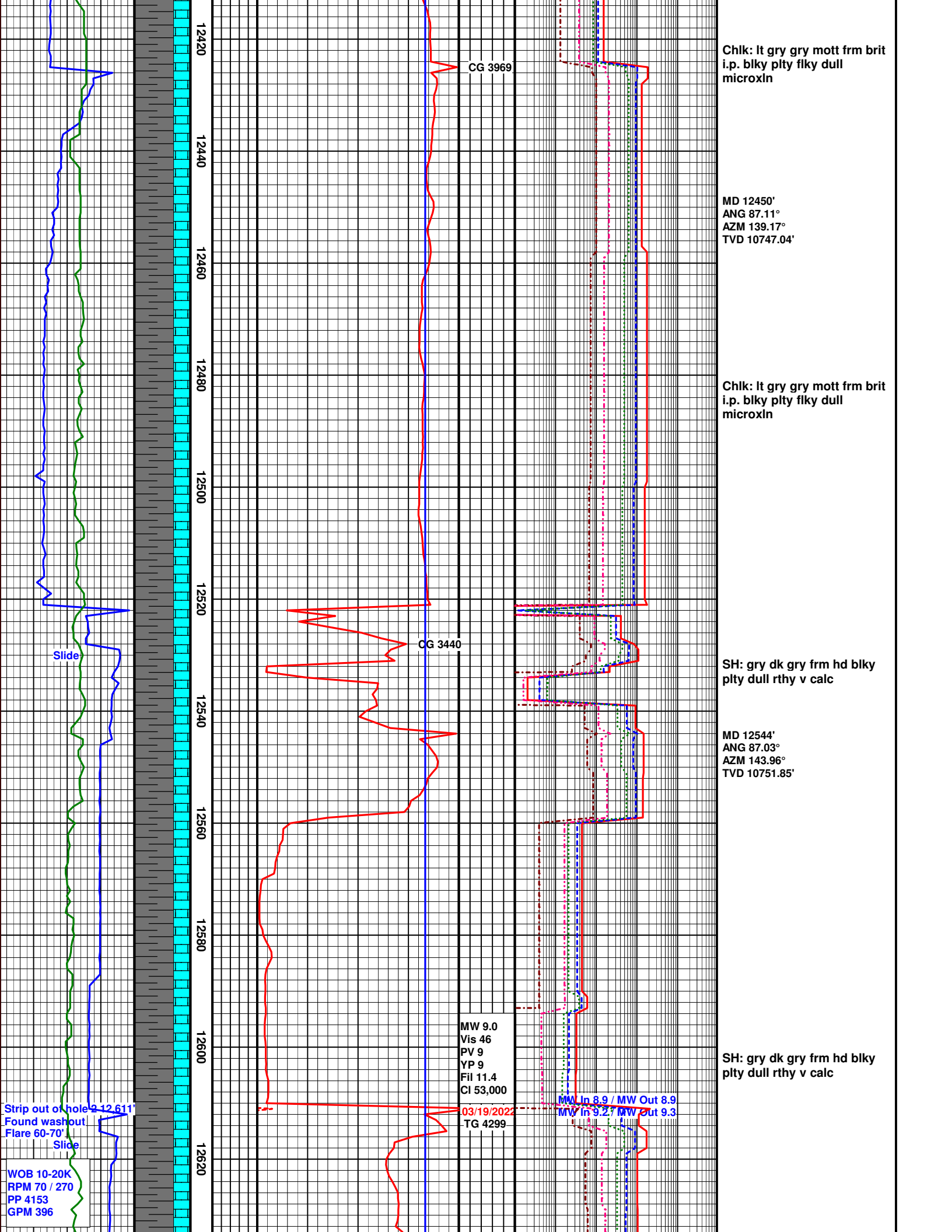


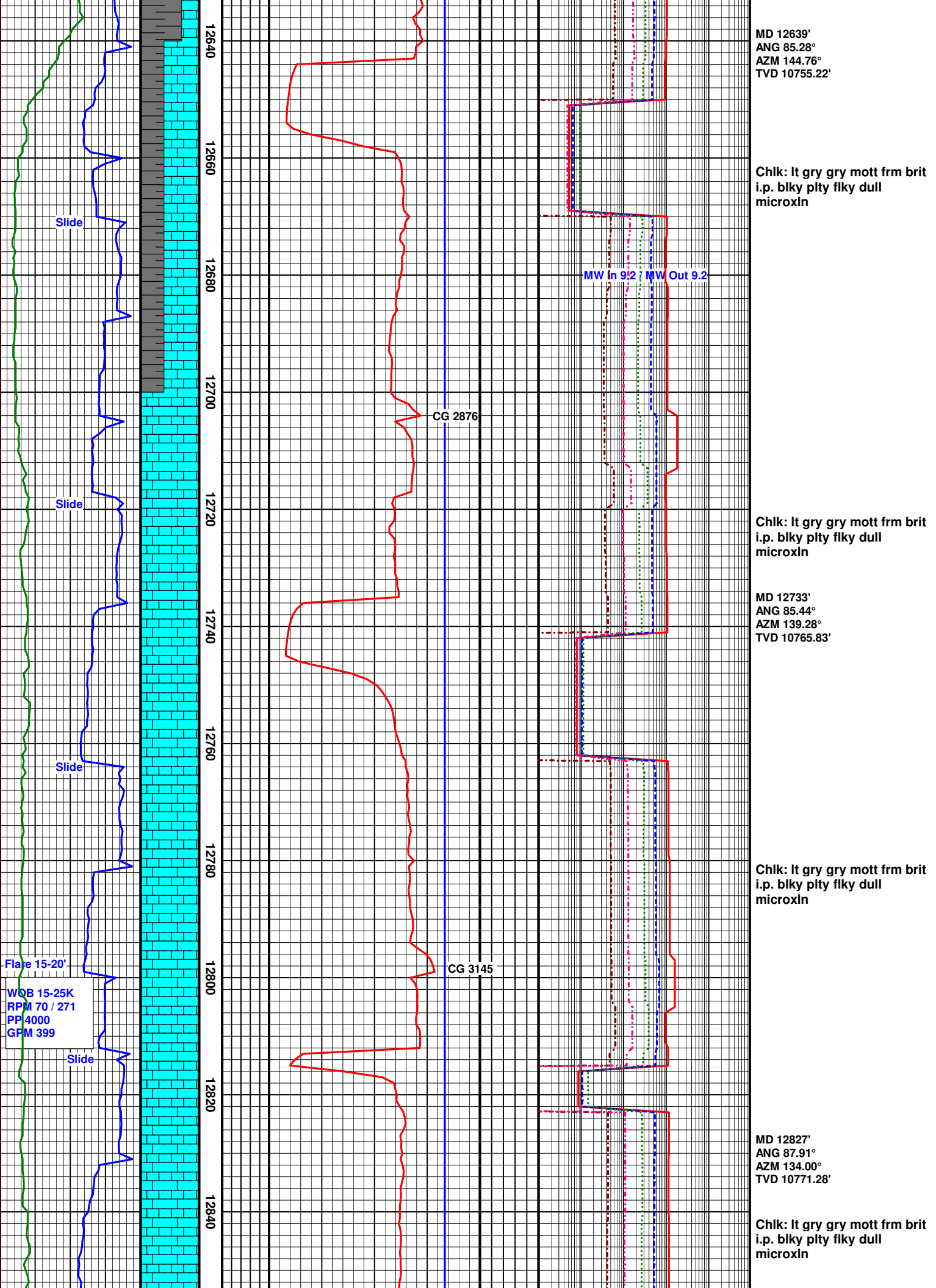


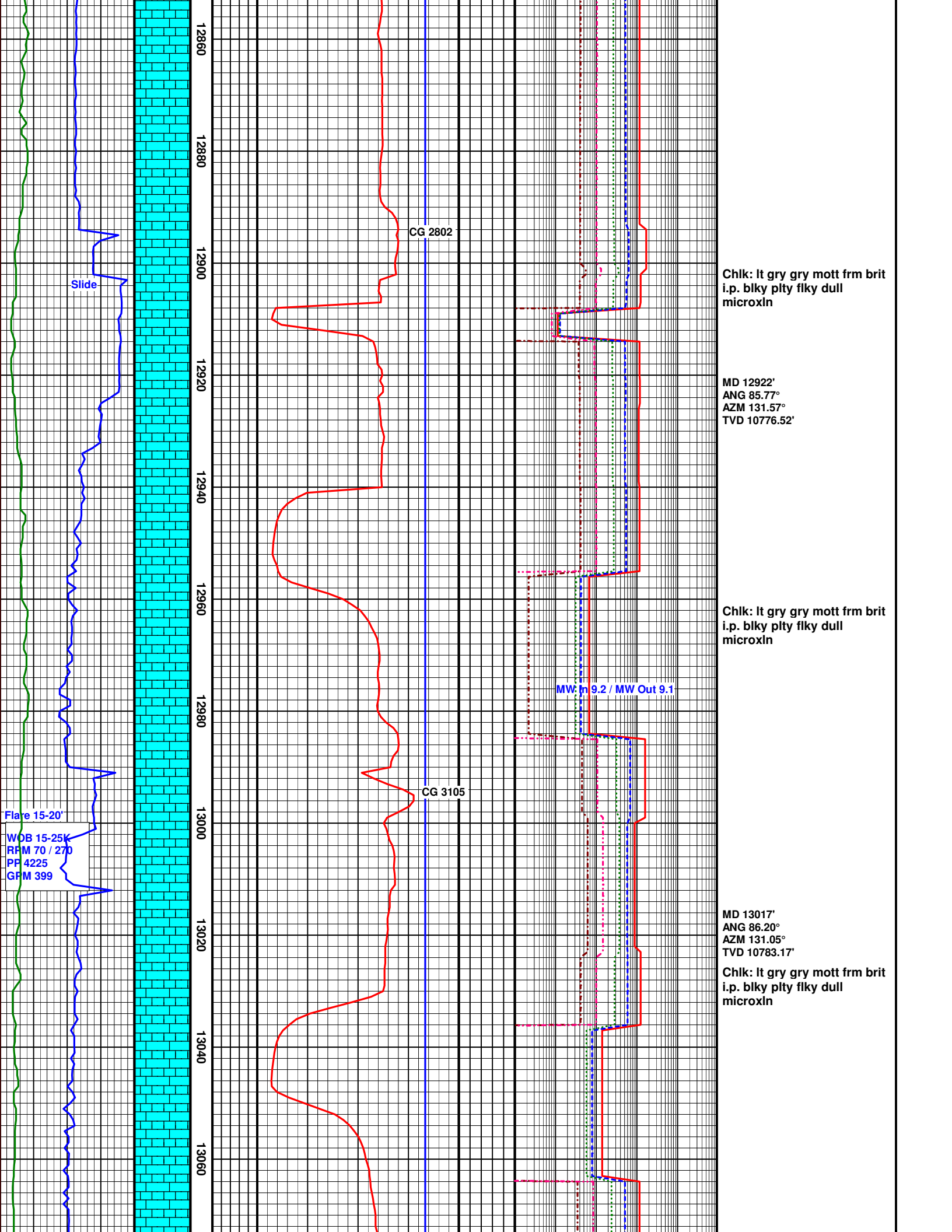


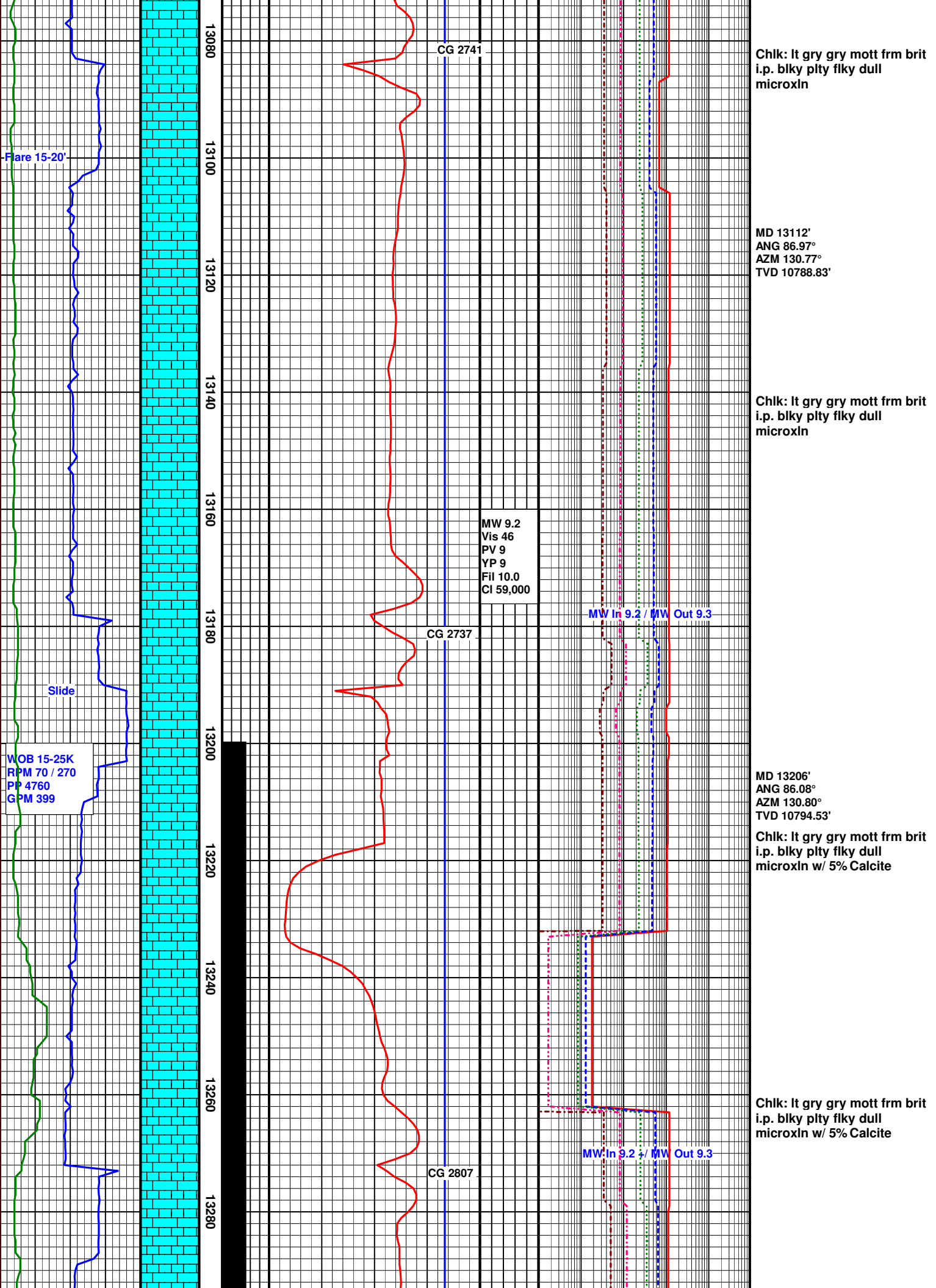


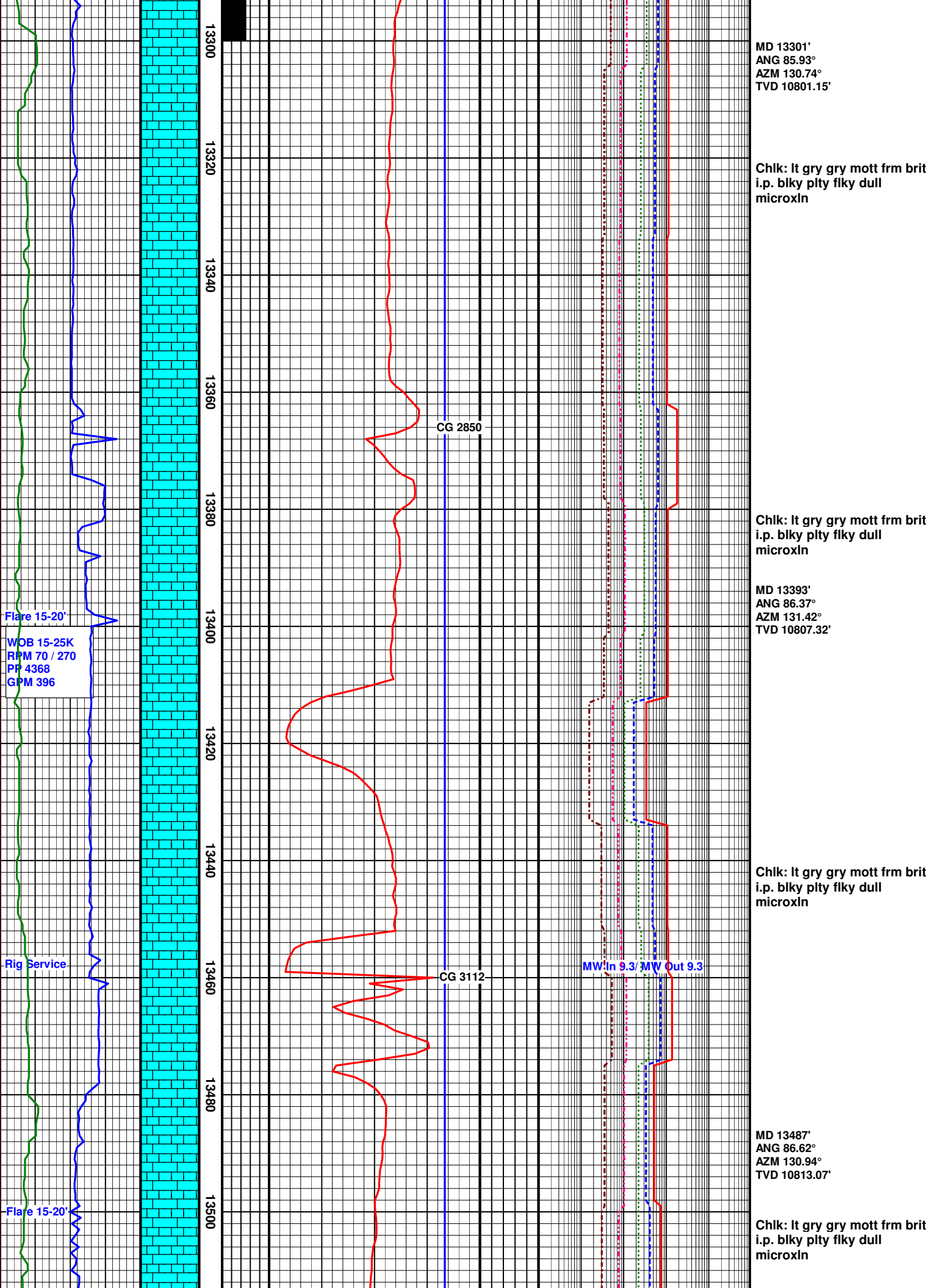












MD 13301'  
ANG 85.93°  
AZM 130.74°  
TVD 10801.15'

Chlk: lt gry gry mott frm brit  
i.p. blkly plty filky dull  
microxln

CG 2850

Chlk: lt gry gry mott frm brit  
i.p. blkly plty filky dull  
microxln

MD 13393'  
ANG 86.37°  
AZM 131.42°  
TVD 10807.32'

Flare 15-20'  
WOB 15-25K  
RPM 70 / 270  
PR 4368  
GPM 396

Chlk: lt gry gry mott frm brit  
i.p. blkly plty filky dull  
microxln

Rig Service

CG 3112

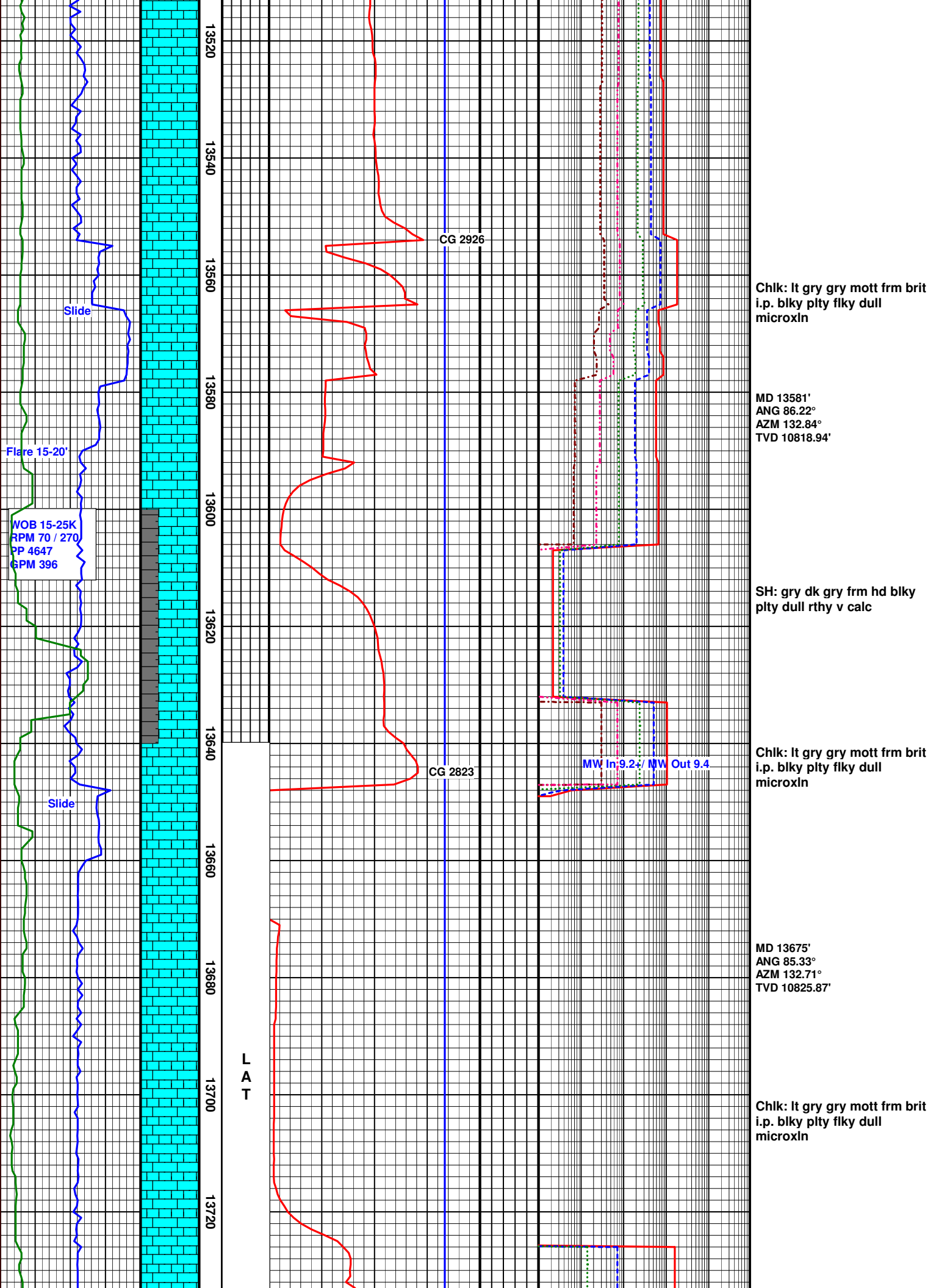
MW In 9.3 MW Out 9.3

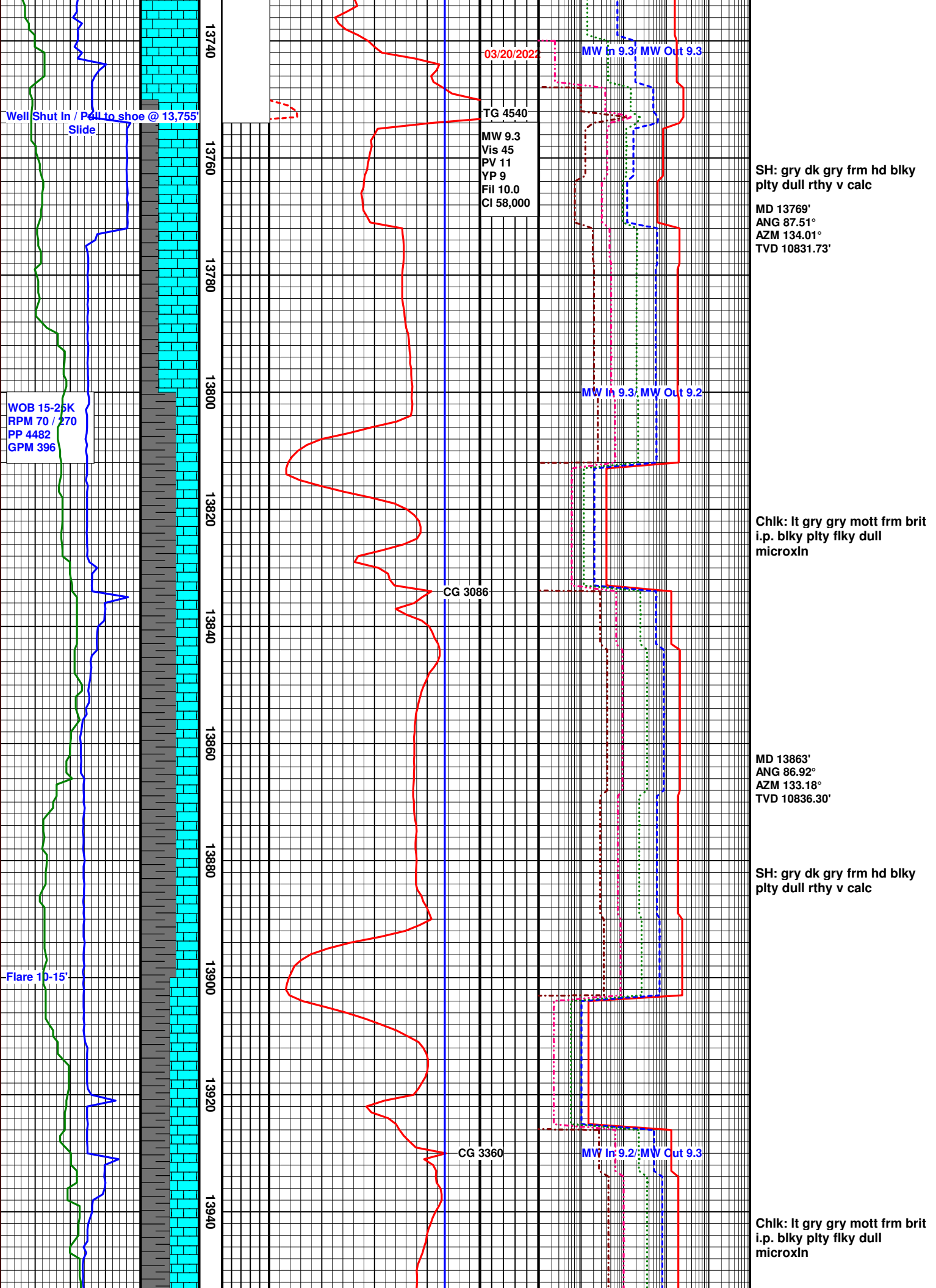
MD 13487'  
ANG 86.62°  
AZM 130.94°  
TVD 10813.07'

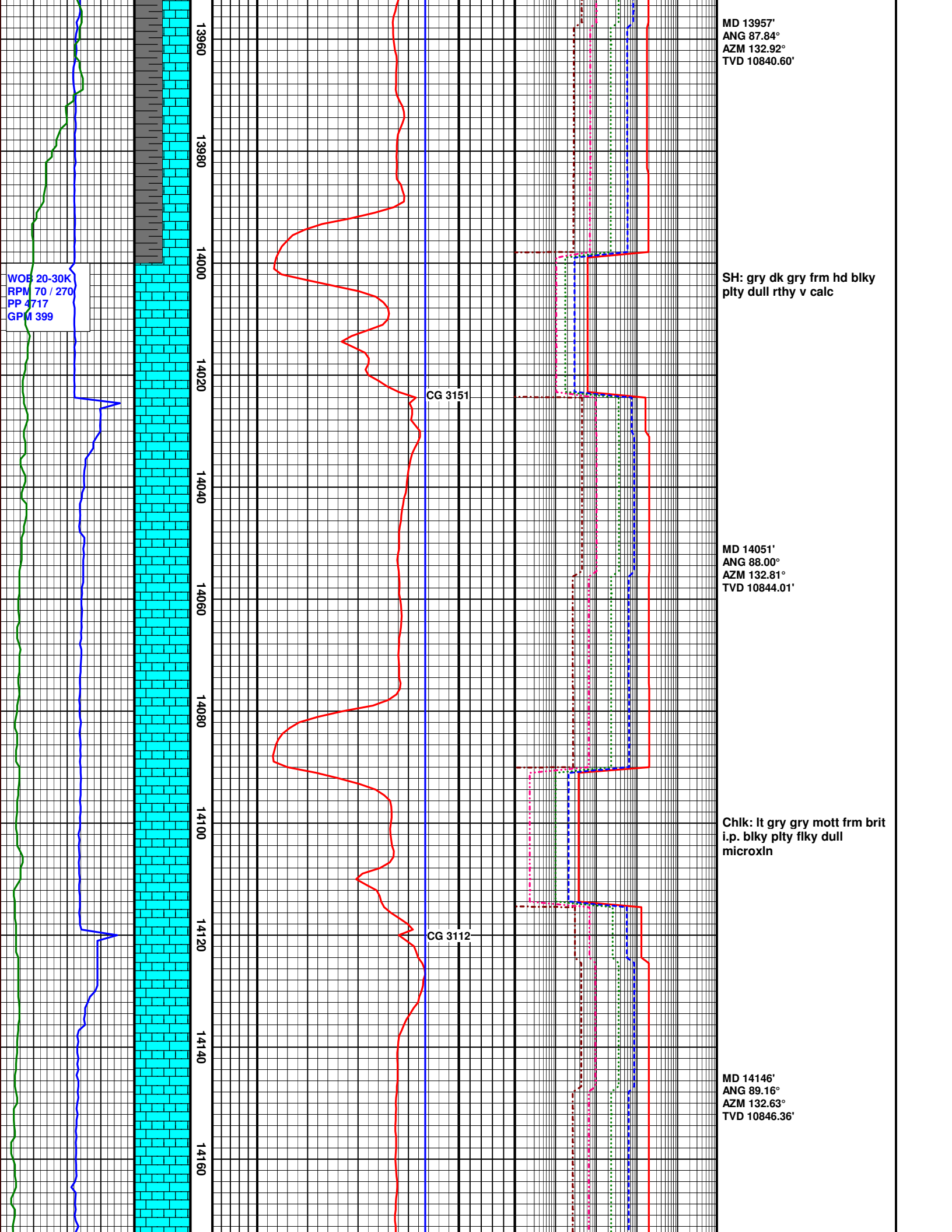
Chlk: lt gry gry mott frm brit  
i.p. blkly plty filky dull  
microxln

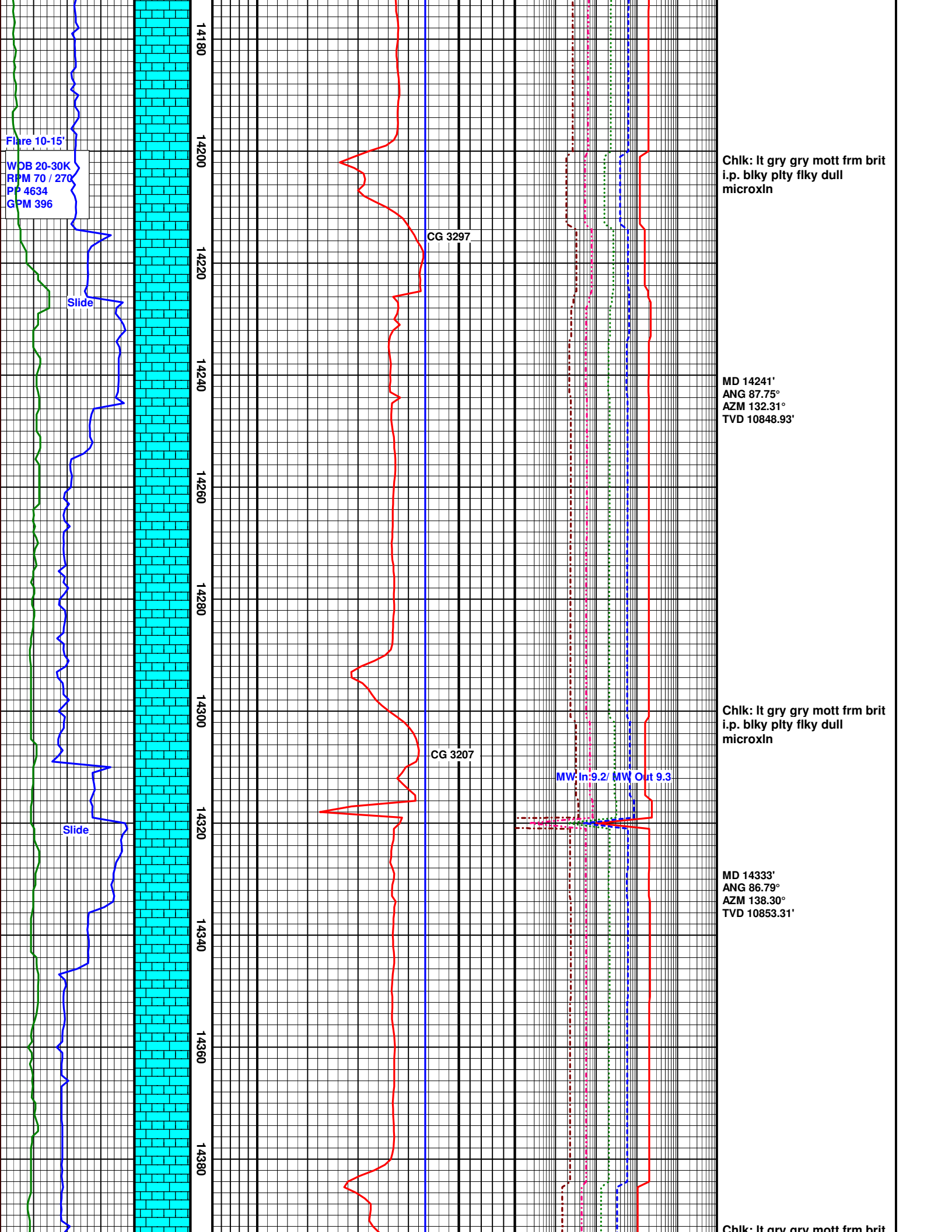
Flare 15-20'

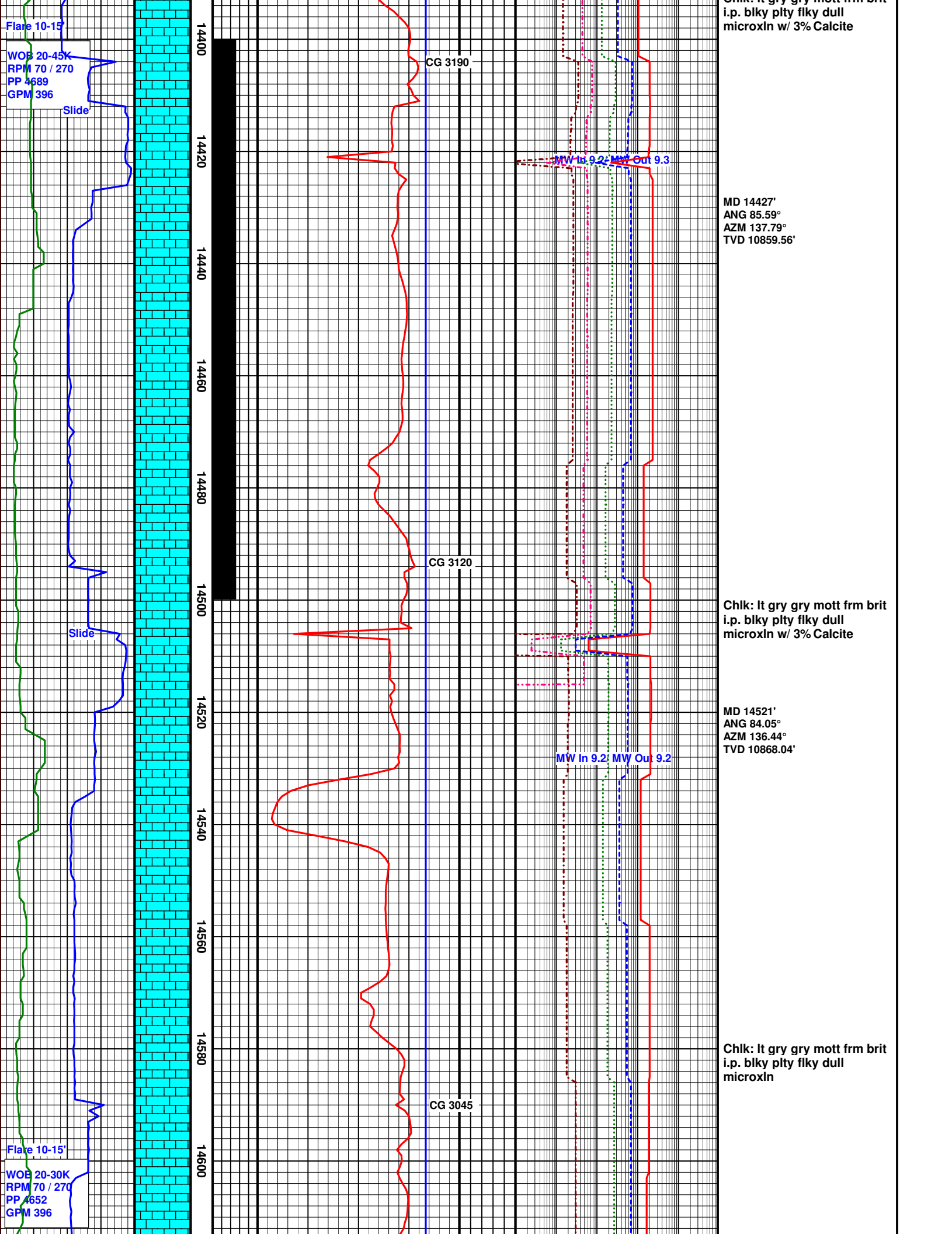


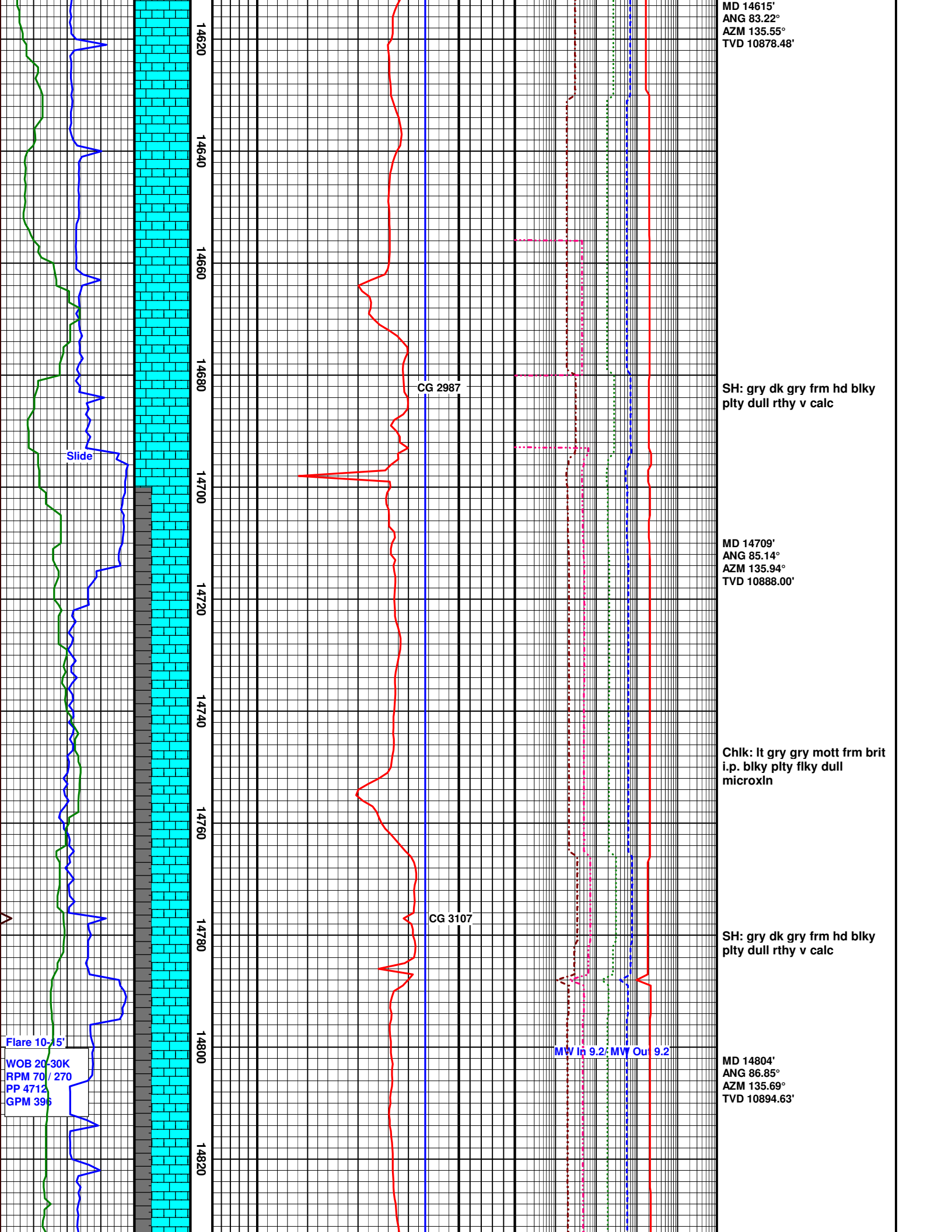












MD 14615'  
ANG 83.22°  
AZM 135.55°  
TVD 10878.48'

SH: gry dk gry frm hd blkly  
plty dull rthy v calc

MD 14709'  
ANG 85.14°  
AZM 135.94°  
TVD 10888.00'

Chlk: lt gry gry mott frm brit  
i.p. blkly plty flky dull  
microxln

SH: gry dk gry frm hd blkly  
plty dull rthy v calc

MD 14804'  
ANG 86.85°  
AZM 135.69°  
TVD 10894.63'

CG 2987

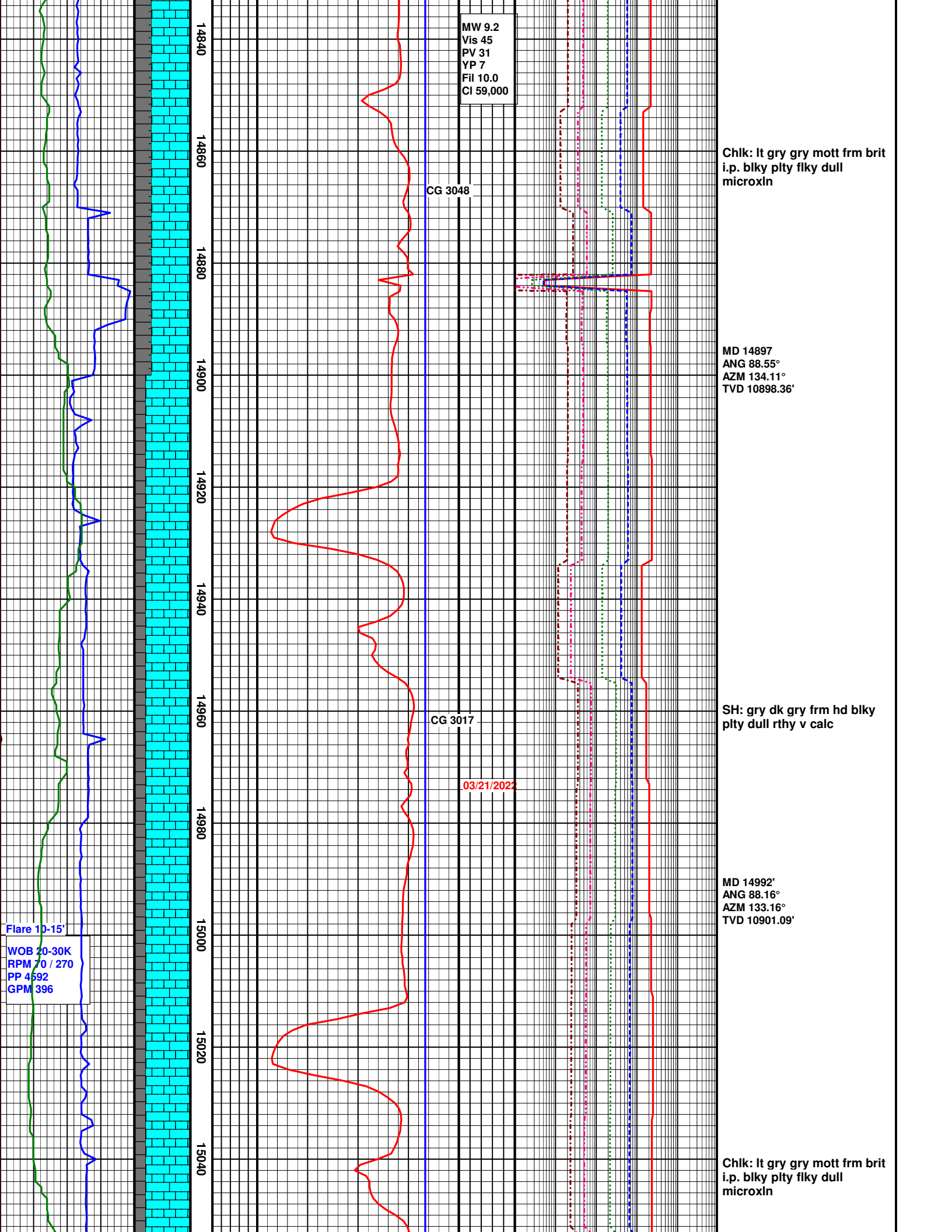
CG 3107

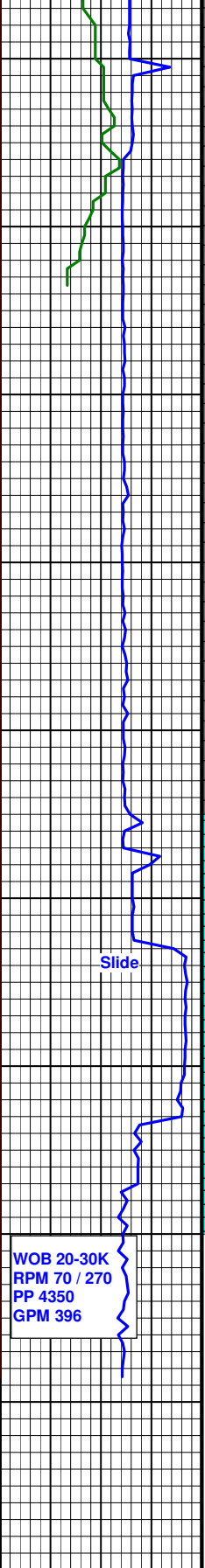
MW In 9.2 MW Out 9.2

Slide

Flare 10-15'

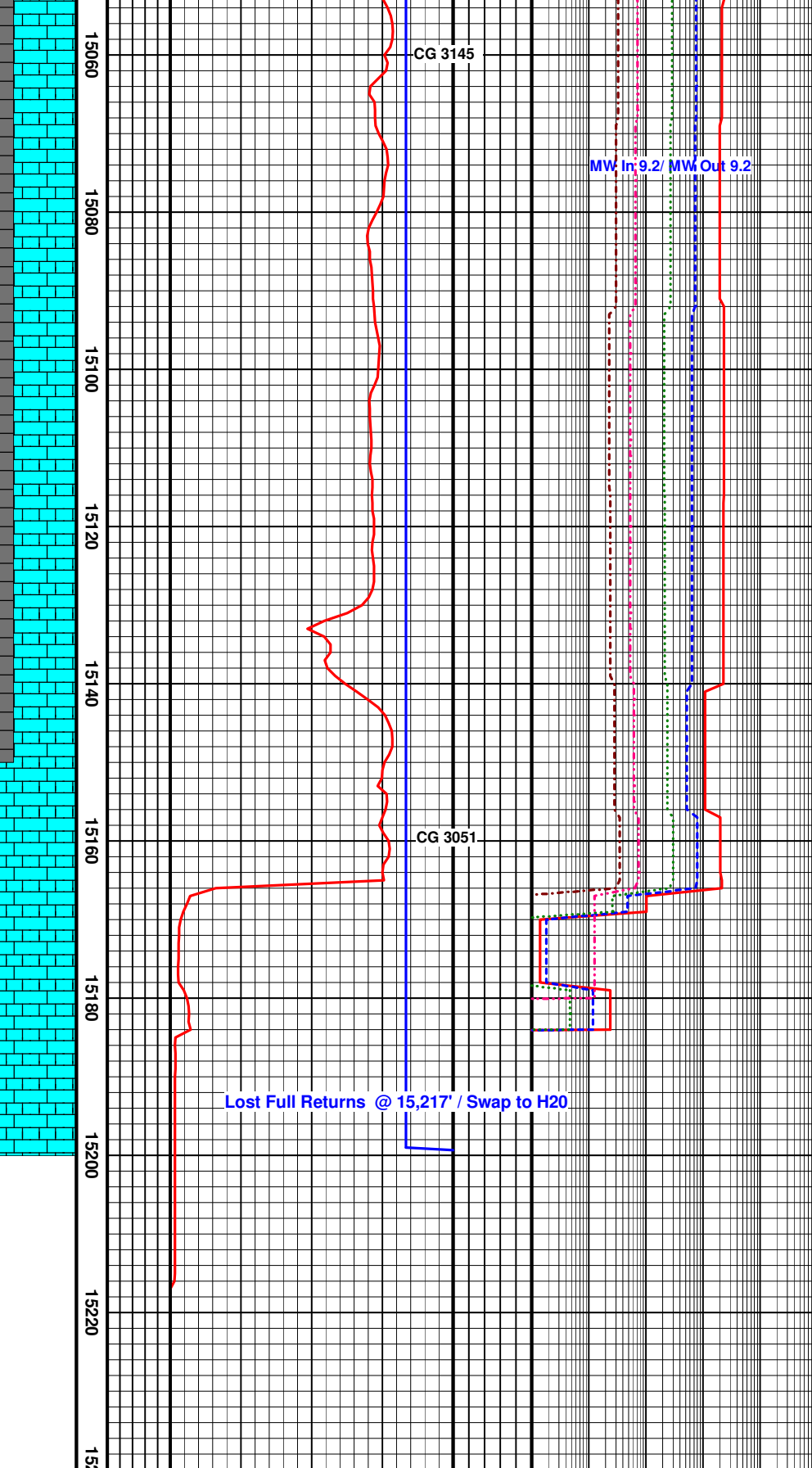
WOB 20-30K  
RPM 70 / 270  
PP 4712  
GPM 396





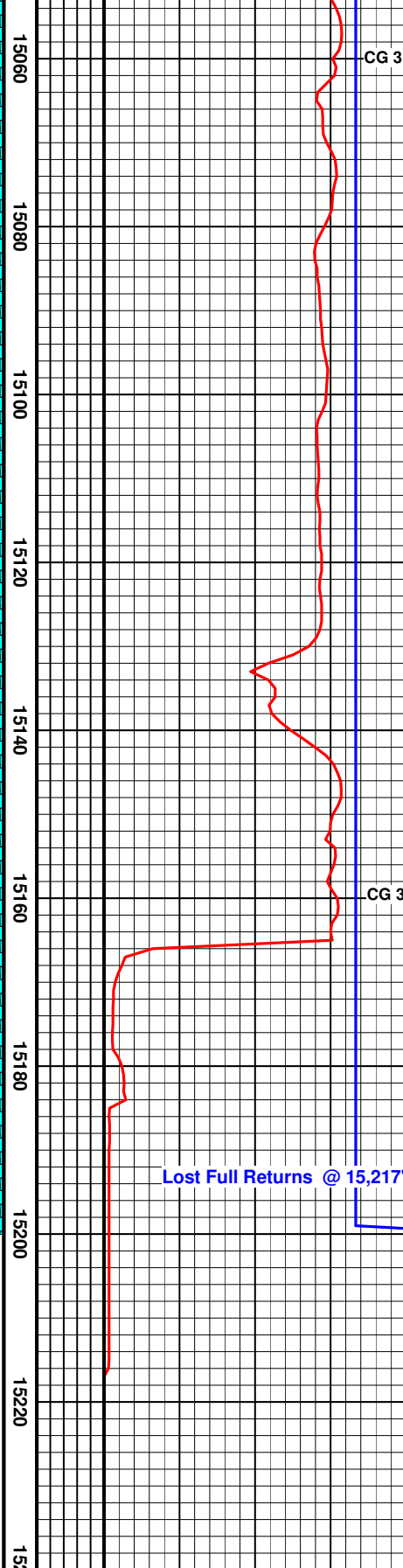
WOB 20-30K  
RPM 70 / 270  
PP 4350  
GPM 396

Gamma  
API 150  
Casing Pressure  
PSI 1000



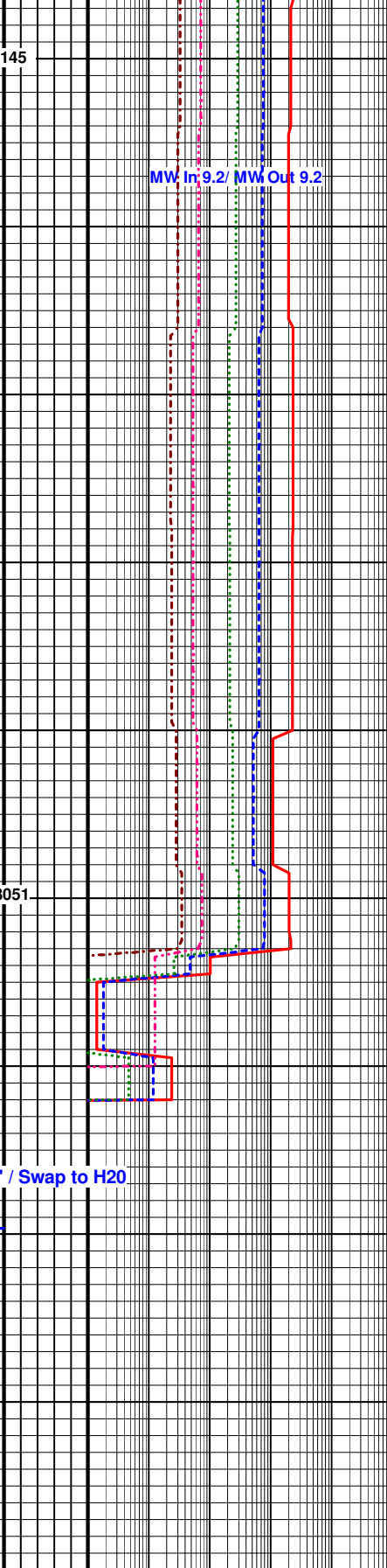
WOB 20-30K  
RPM 70 / 270  
PP 4350  
GPM 396

Gamma  
API 150  
Casing Pressure  
PSI 1000



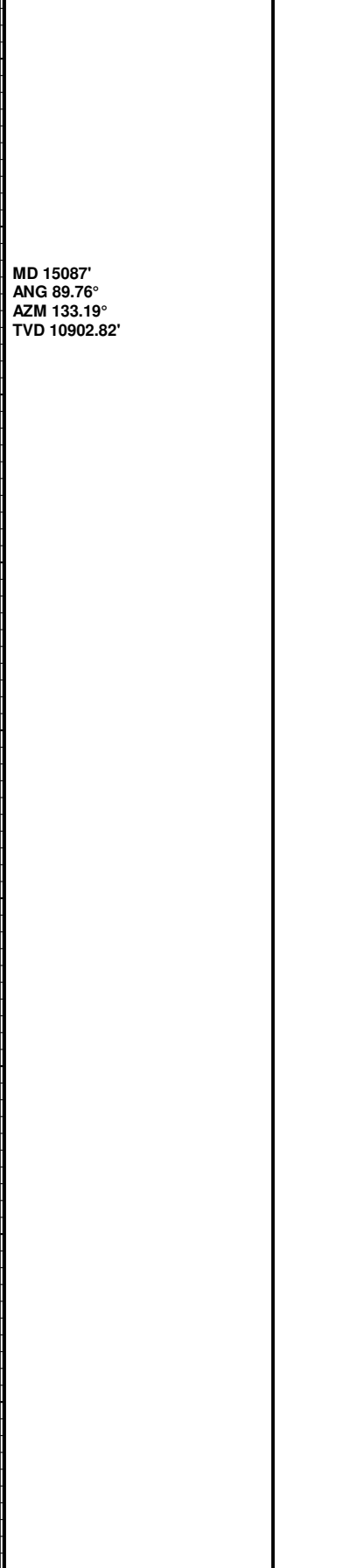
WOB 20-30K  
RPM 70 / 270  
PP 4350  
GPM 396

Gamma  
API 150  
Casing Pressure  
PSI 1000



WOB 20-30K  
RPM 70 / 270  
PP 4350  
GPM 396

Gamma  
API 150  
Casing Pressure  
PSI 1000



WOB 20-30K  
RPM 70 / 270  
PP 4350  
GPM 396

Gamma  
API 150  
Casing Pressure  
PSI 1000

MD 15087'  
ANG 89.76°  
AZM 133.19°  
TVD 10902.82'

MW In 9.2' MW Out 9.2'

CG 3145

CG 3051

Lost Full Returns @ 15,217' / Swap to H2O

NButane  
PPM 100 100000  
IButane  
PPM 100 100000  
Propane  
PPM 100 100000  
Ethane  
PPM 100 100000

Kick/Loss  
BBL S 1



PSI		1000				PS	BBL	1	100	PPM	100000	
ROP							Total Gas		Methane			
600	Ft/Hr	0				0	Units	4000	100	PPM	100000	
ROP		Lith		Frac.	Gas		Fluor	Chromatograph		Remarks		