



100000


NB 3/4" Ultrerra U611S  
 w/ 1x18, 2x15's, 3x16's Jets TFA= 1.183  
 w/ 2° Motor, MWD, & Gamma

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

MW 11.1  
VIS 48  
PV 13  
YP 9  
FIL 8  
CL  
42.000

06/01/2020

MD 10423'  
ANG 47.5°  
AZM 328.8°  
TVD 10325.12'

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

MD 10447'  
ANG 46.90°  
AZM 324.20°  
TVD 10341.43'

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

MD 10478'  
ANG 51.10°  
AZM 322.40°  
TVD 10361.76'

MD 10509'  
ANG 53.10°  
AZM 321.10°  
TVD 10380.81'

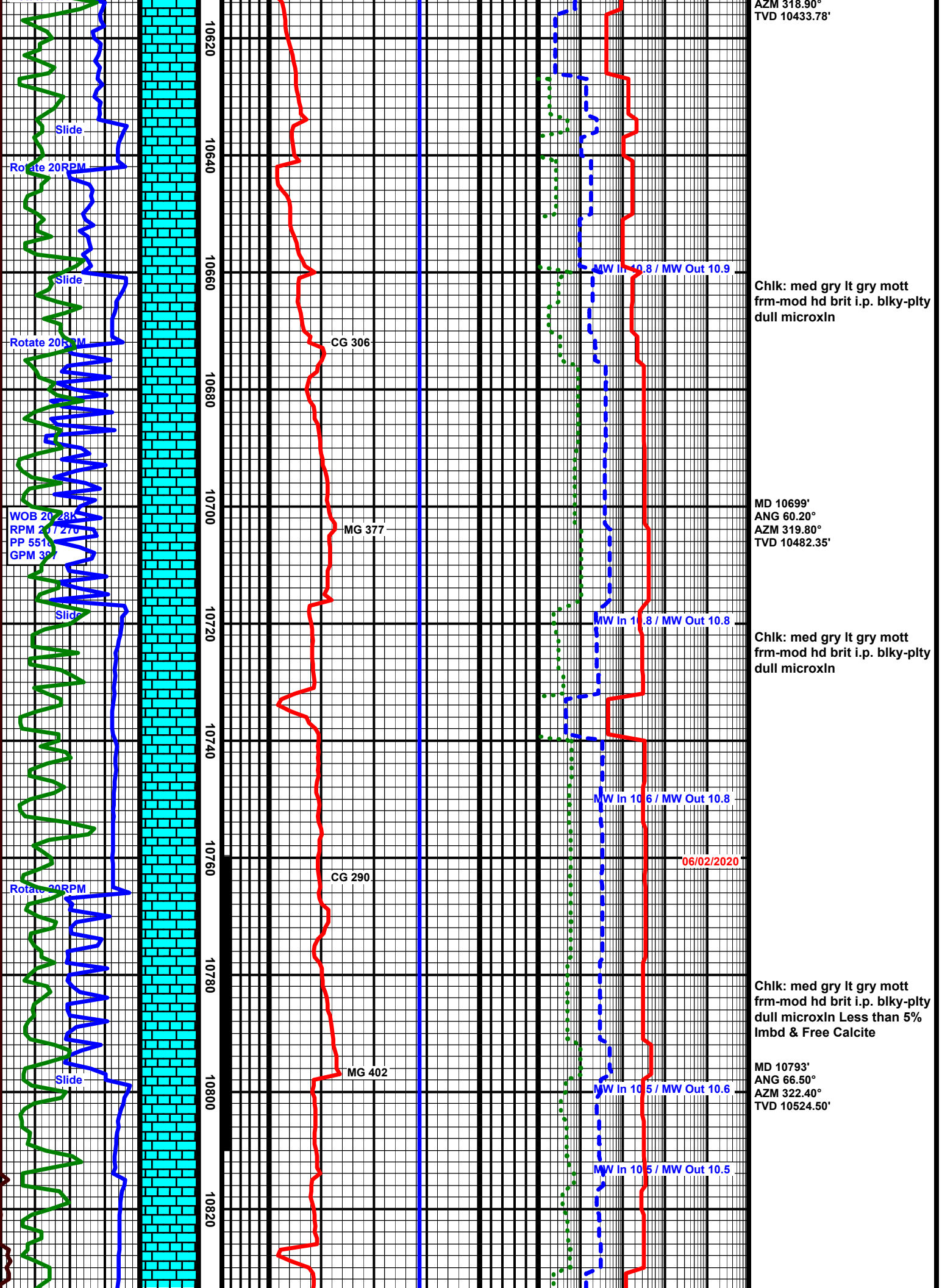
**Chlk: med gry lt gry mott  
frm-mod hd brit i.p. blkyltly  
dull microxln Less than 5%  
Imbd Calcite**

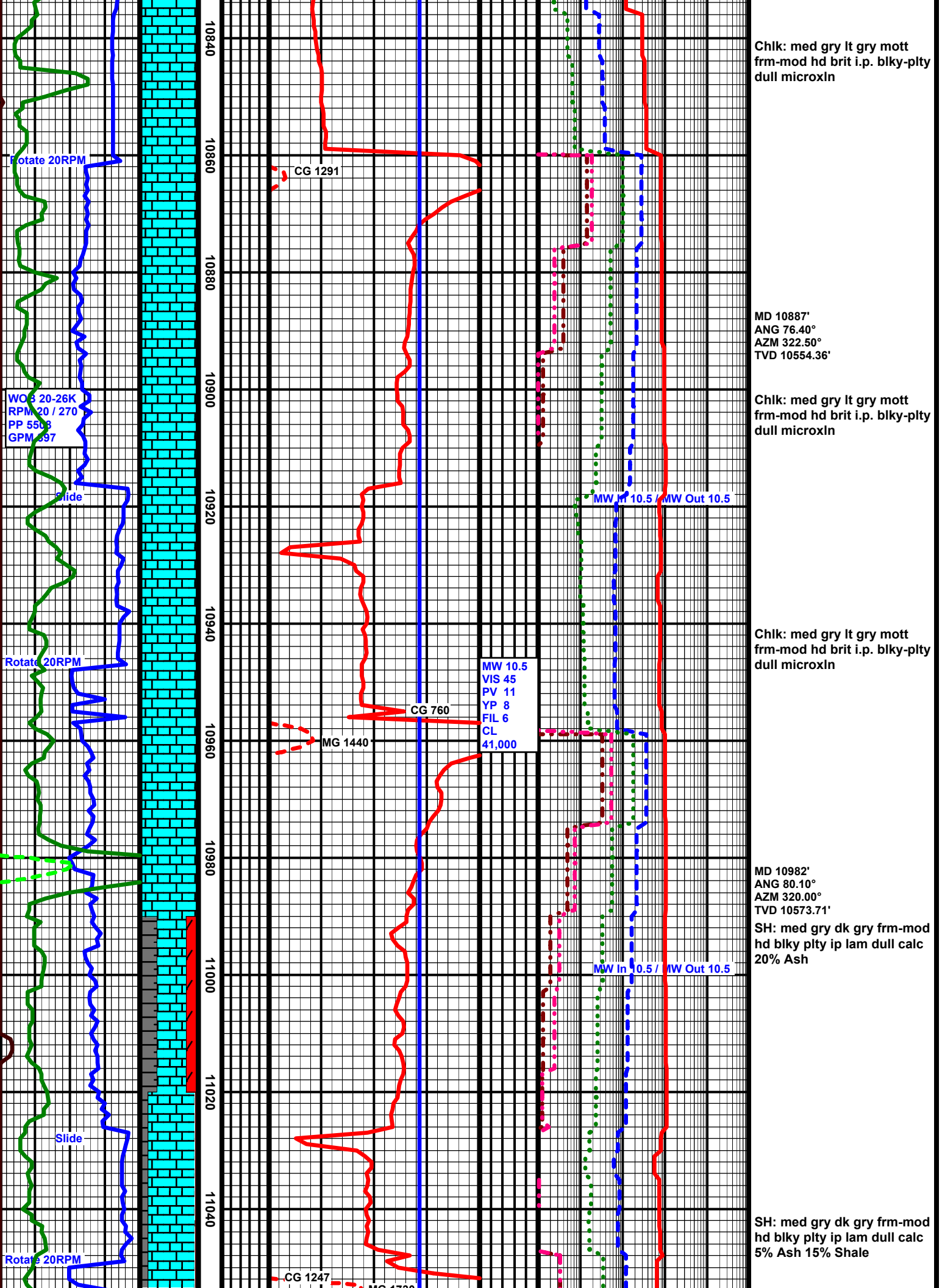
MD 10541'  
ANG 55.60°  
AZM 320.20°  
TVD 10399.46'

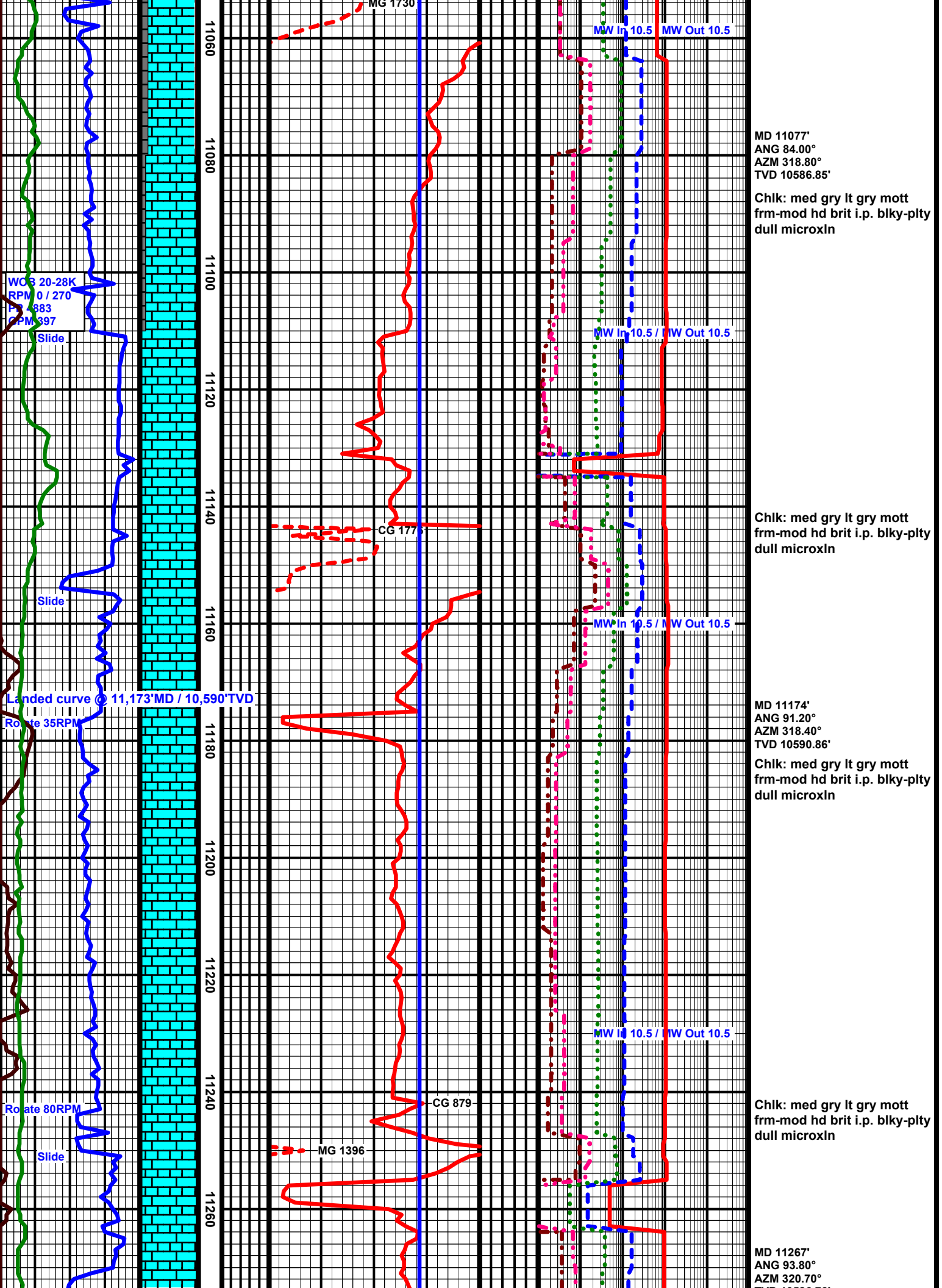
MD 10572'  
ANG 57.00°  
AZM 319.30°  
TVD 10416.66'

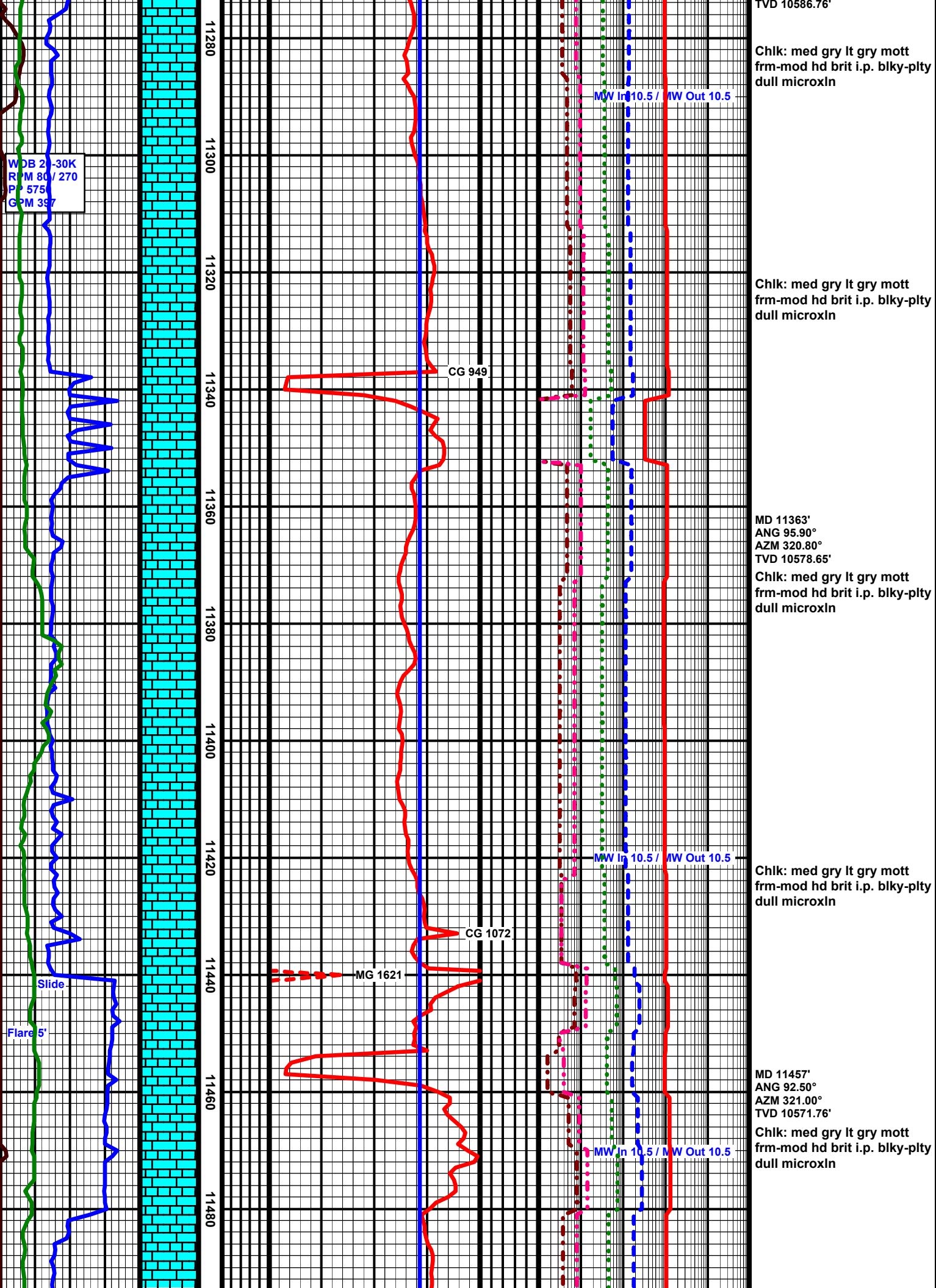
Chlk: med gry lt gry mott  
frm-mod hd brit i.p. blky-plty  
dull microxln

MD 10604'  
ANG 58.30°









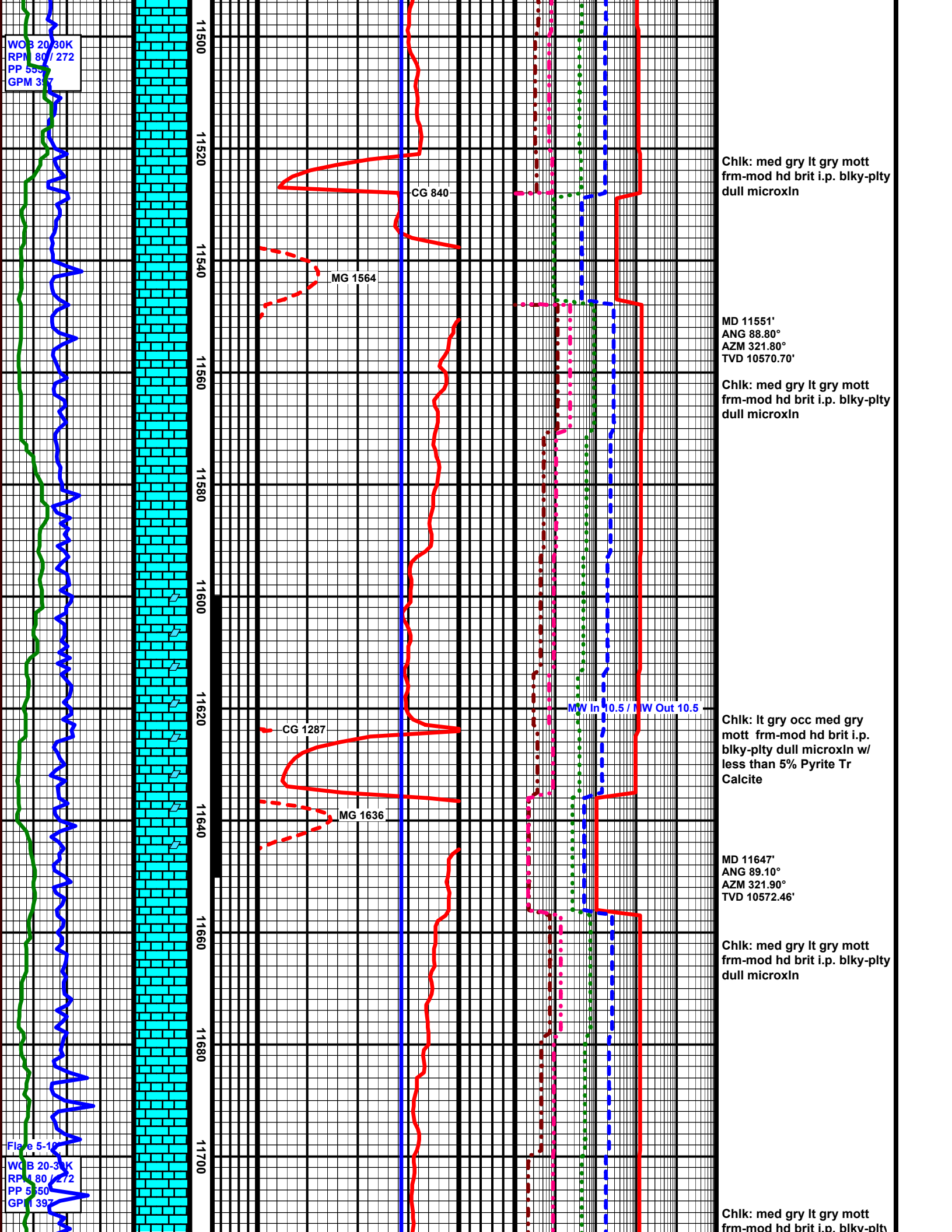
TVD 10586.76'

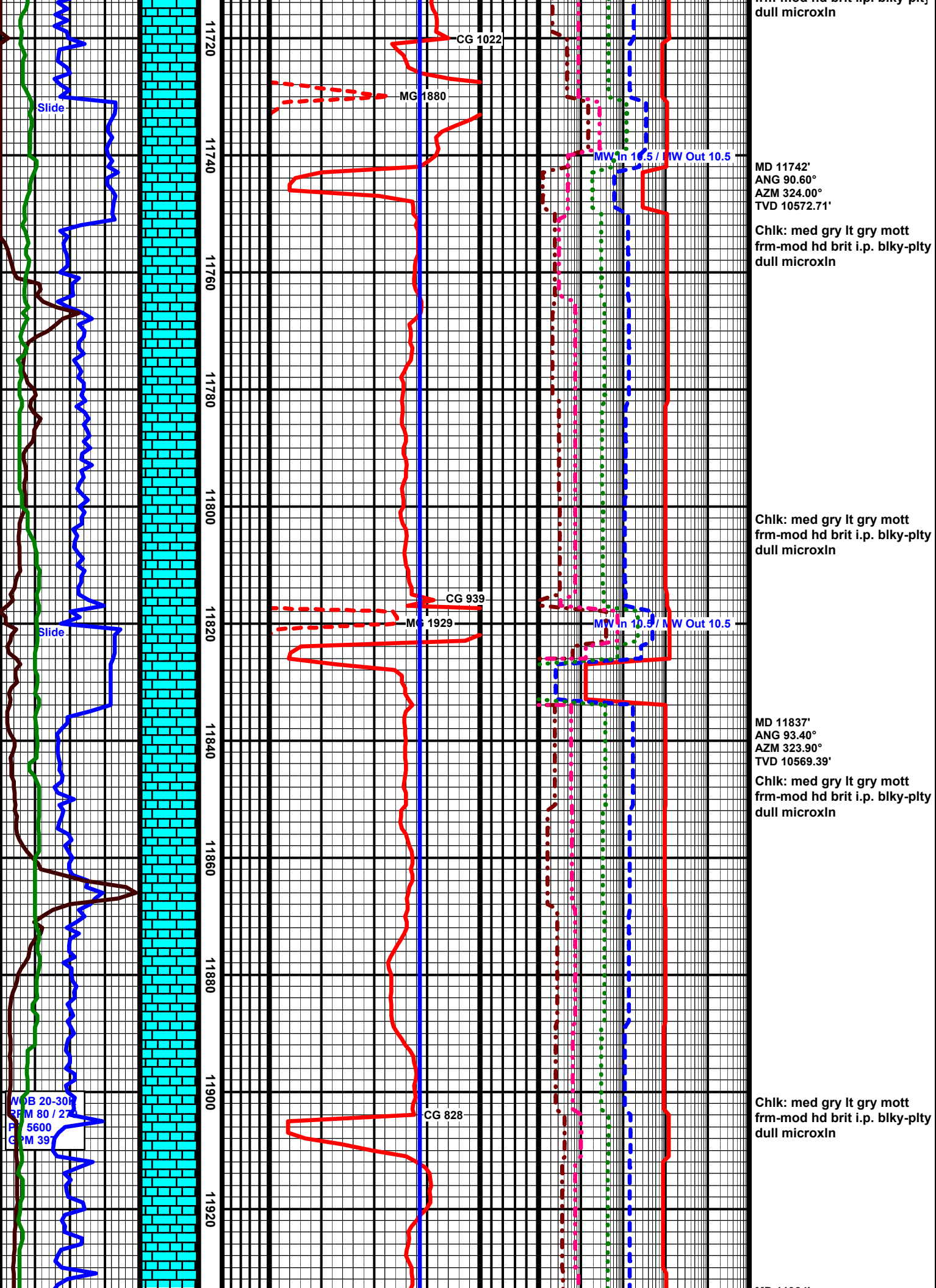
Chlk: med gry lt gry mott  
frm-mod hd brit i.p. blk-pty  
dull microxln

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

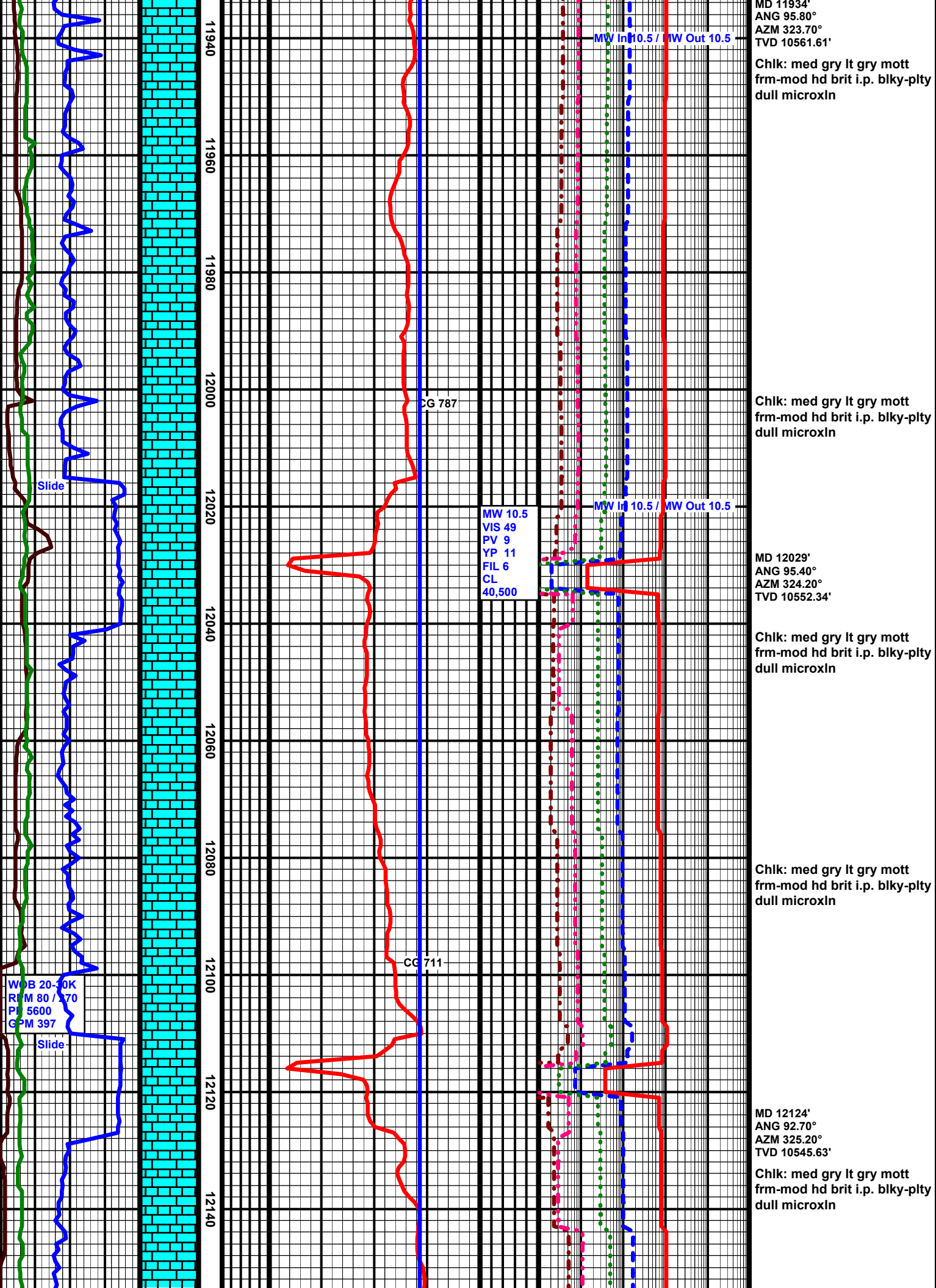
Chlk: med gry lt gry mott  
frm-mod hd brit i.p. blk-pty  
dull microxln

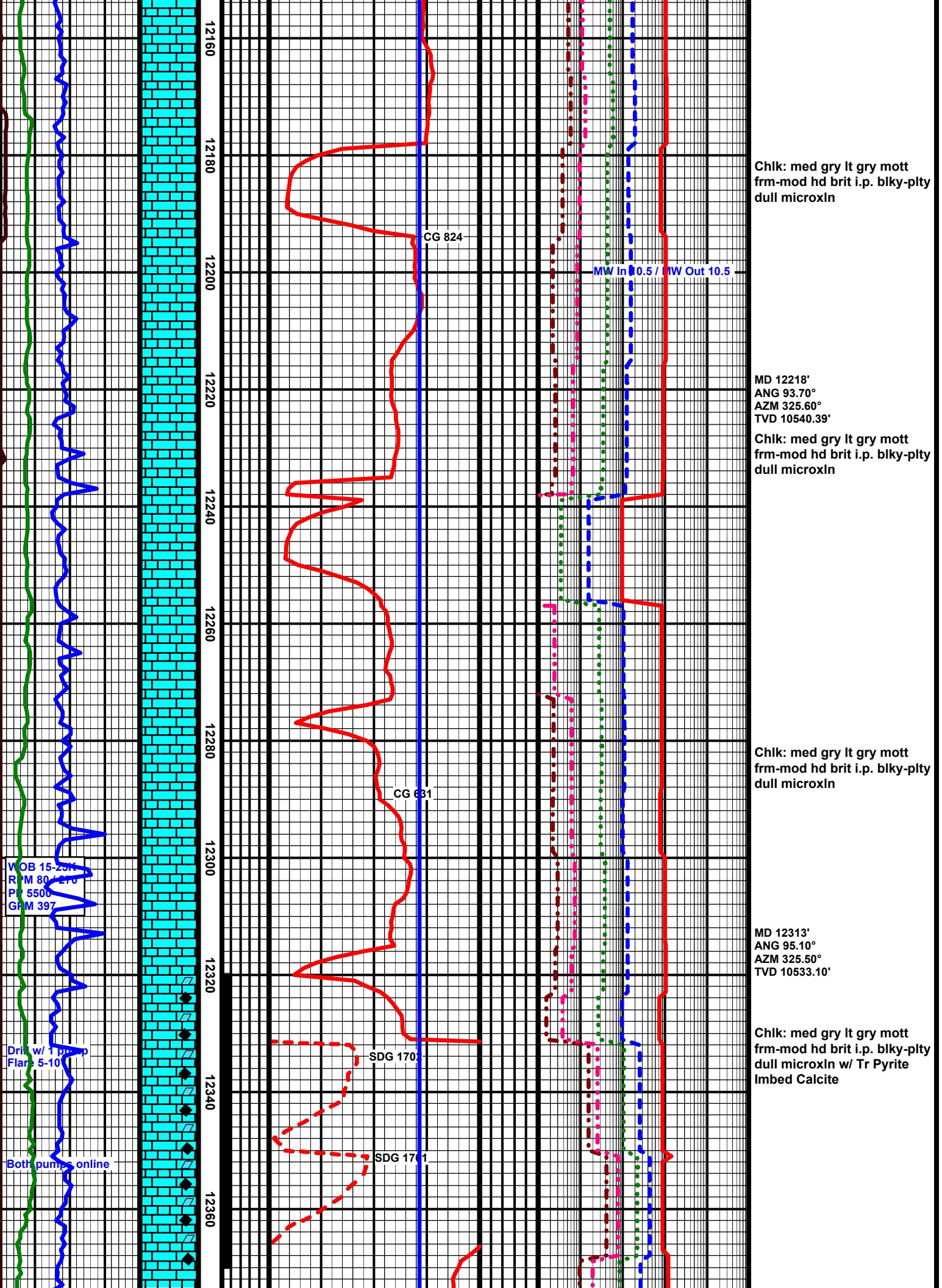
Chlk: med gry lt gry mott  
frm-mod hd brit i.p. blk-pty  
dull microxln

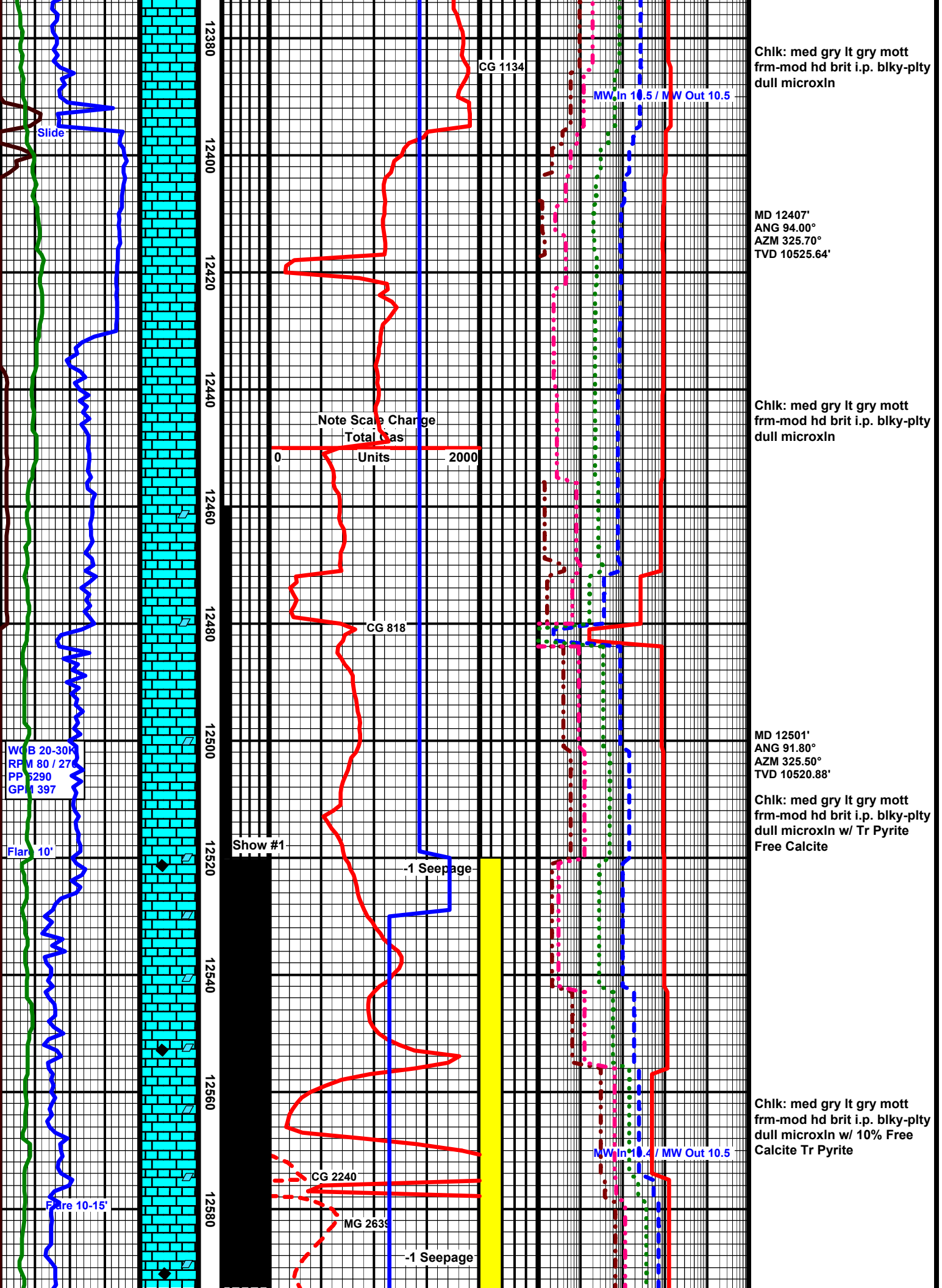


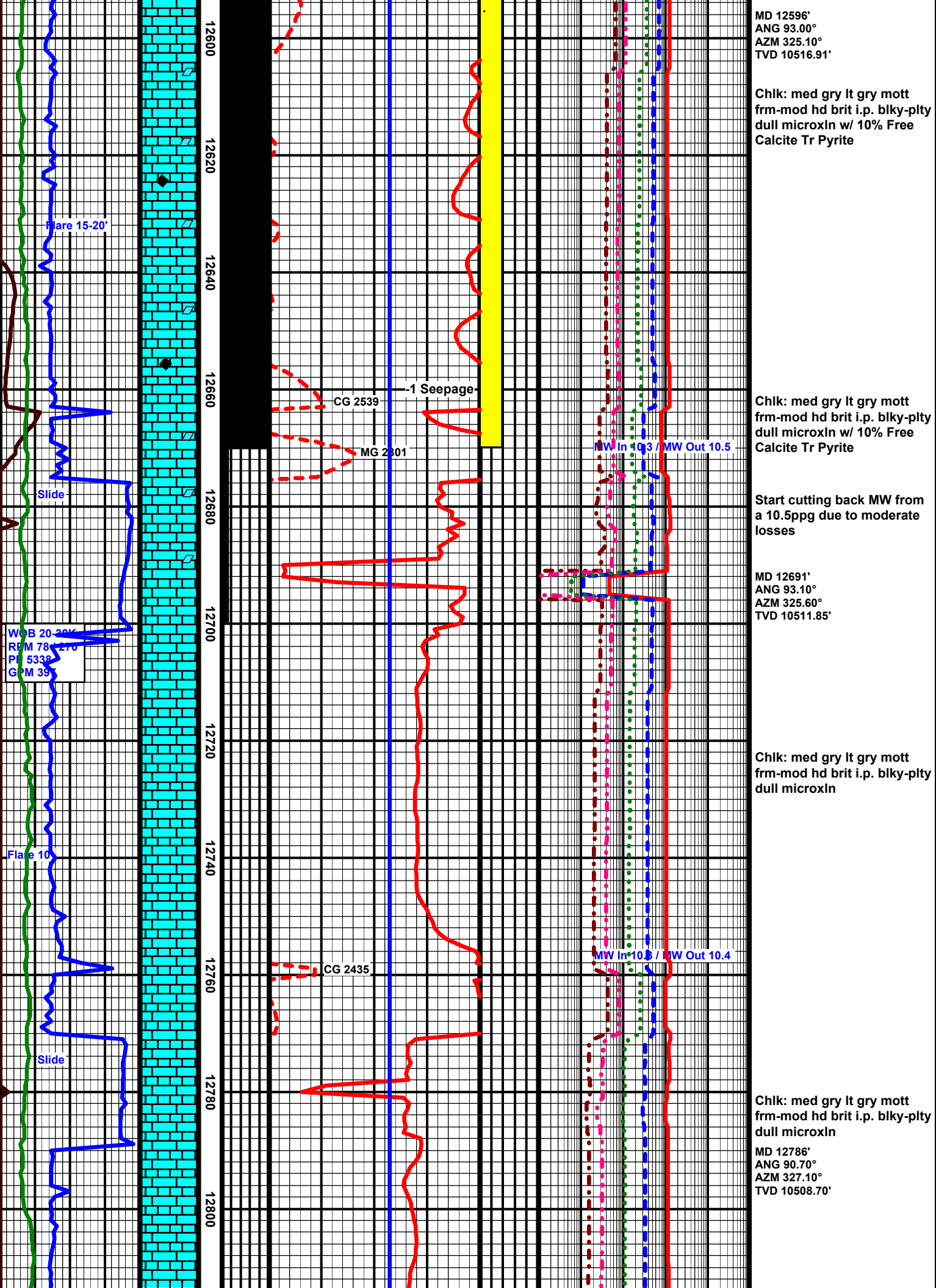












MD 12596'  
ANG 93.00°  
AZM 325.10°  
TVD 10516.91'

Chlk: med gry lt gry mott  
frm-mod hd brit i.p. blkly-plty  
dull microxln w/ 10% Free  
Calcite Tr Pyrite

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frm-mod hd brit i.p. blkly-plty  
dull microxln w/ 10% Free  
Calcite Tr Pyrite

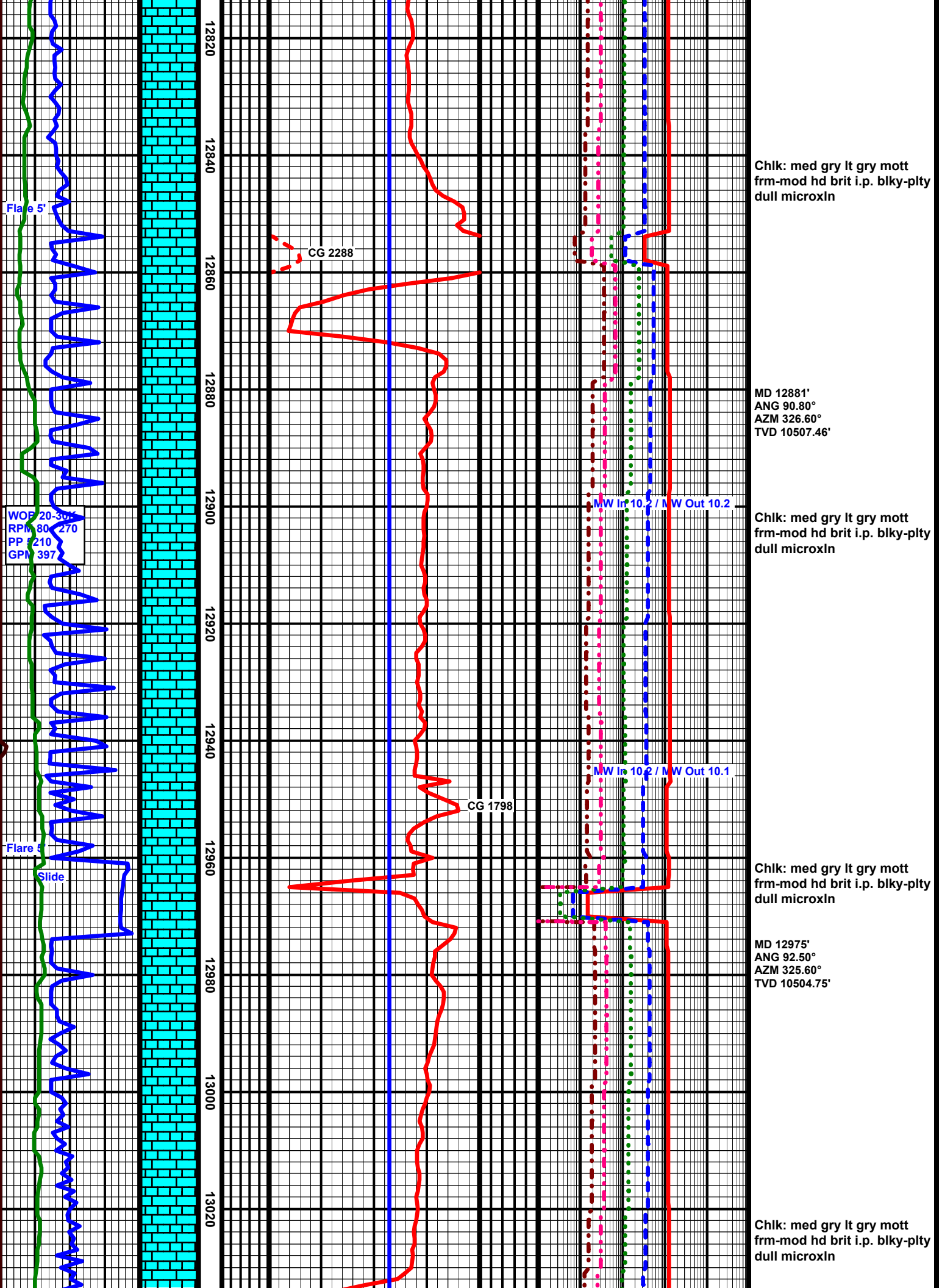
Start cutting back MW from  
a 10.5ppg due to moderate  
losses

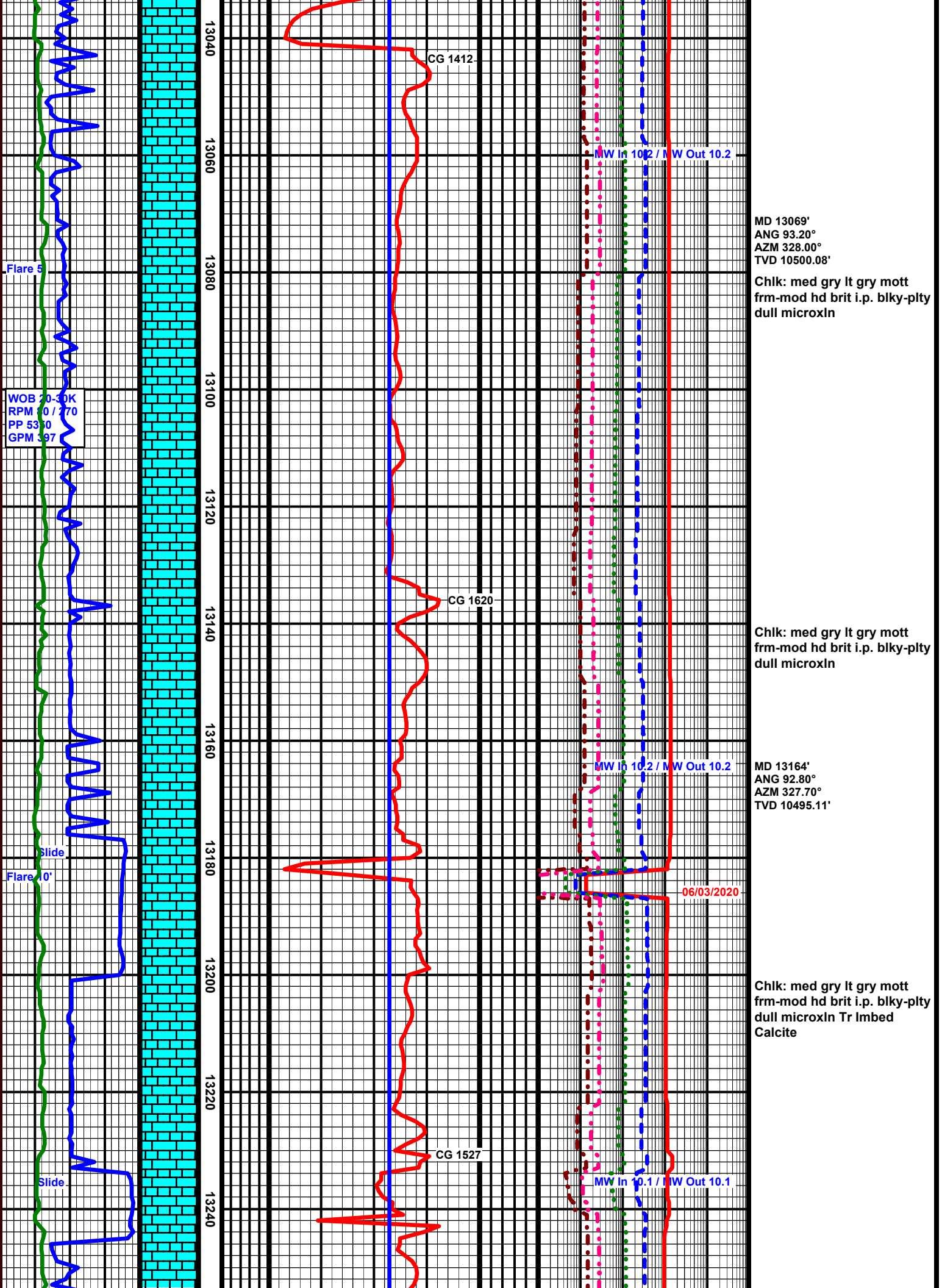
MD 12691'  
ANG 93.10°  
AZM 325.60°  
TVD 10511.85'

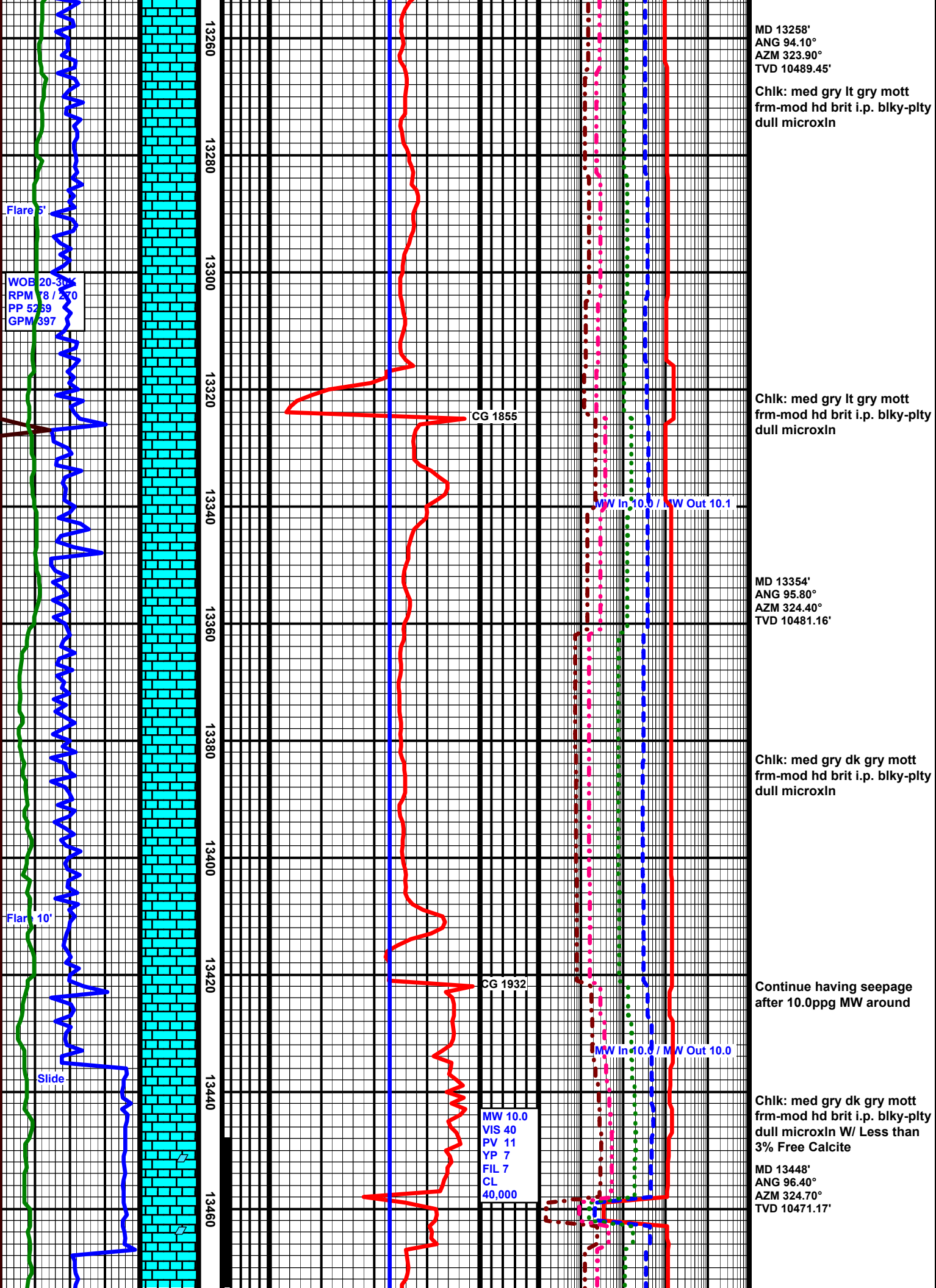
Chlk: med gry lt gry mott  
frm-mod hd brit i.p. blkly-plty  
dull microxln

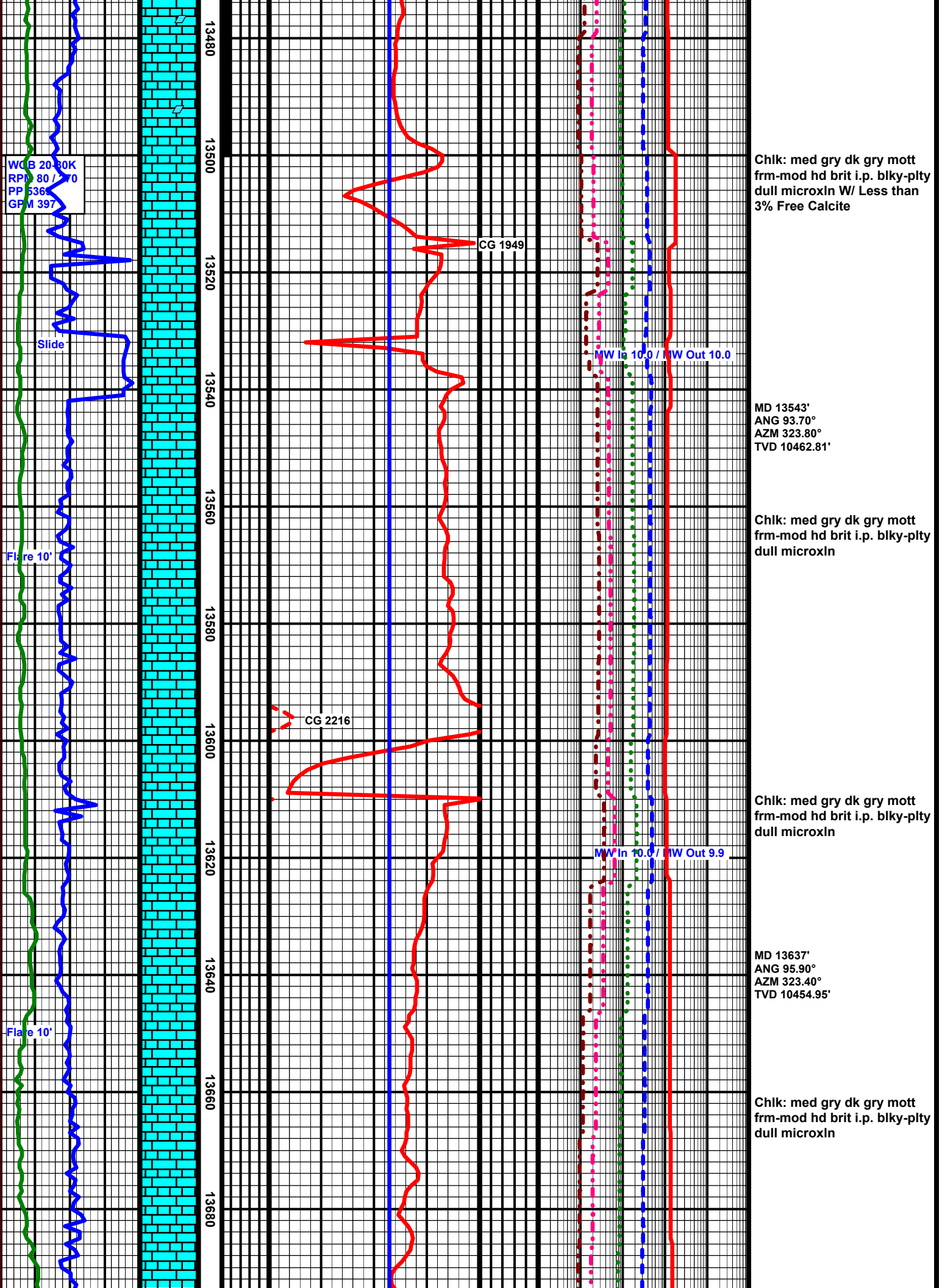
Chlk: med gry lt gry mott  
frm-mod hd brit i.p. blkly-plty  
dull microxln

MD 12786'  
ANG 90.70°  
AZM 327.10°  
TVD 10508.70'

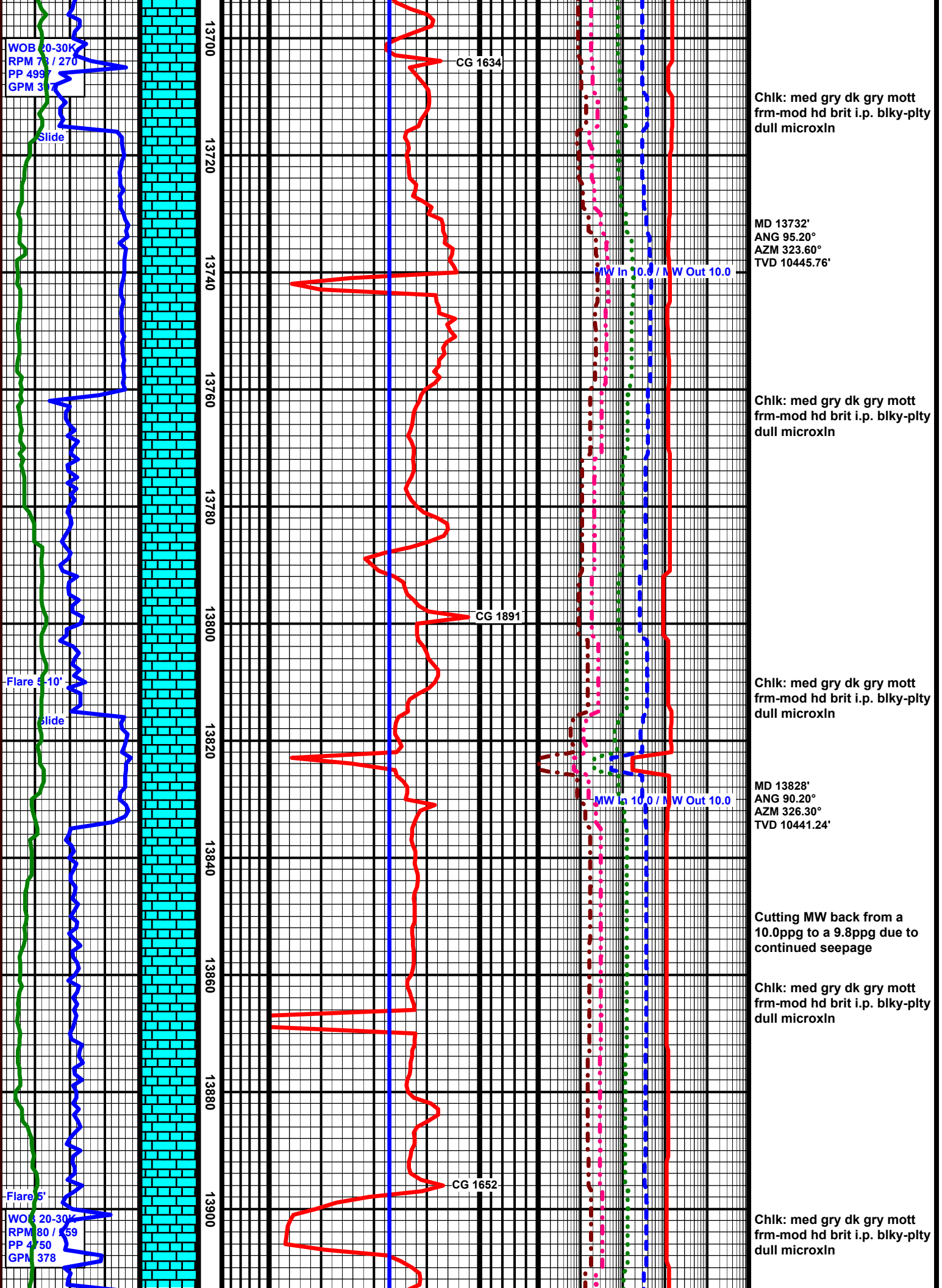


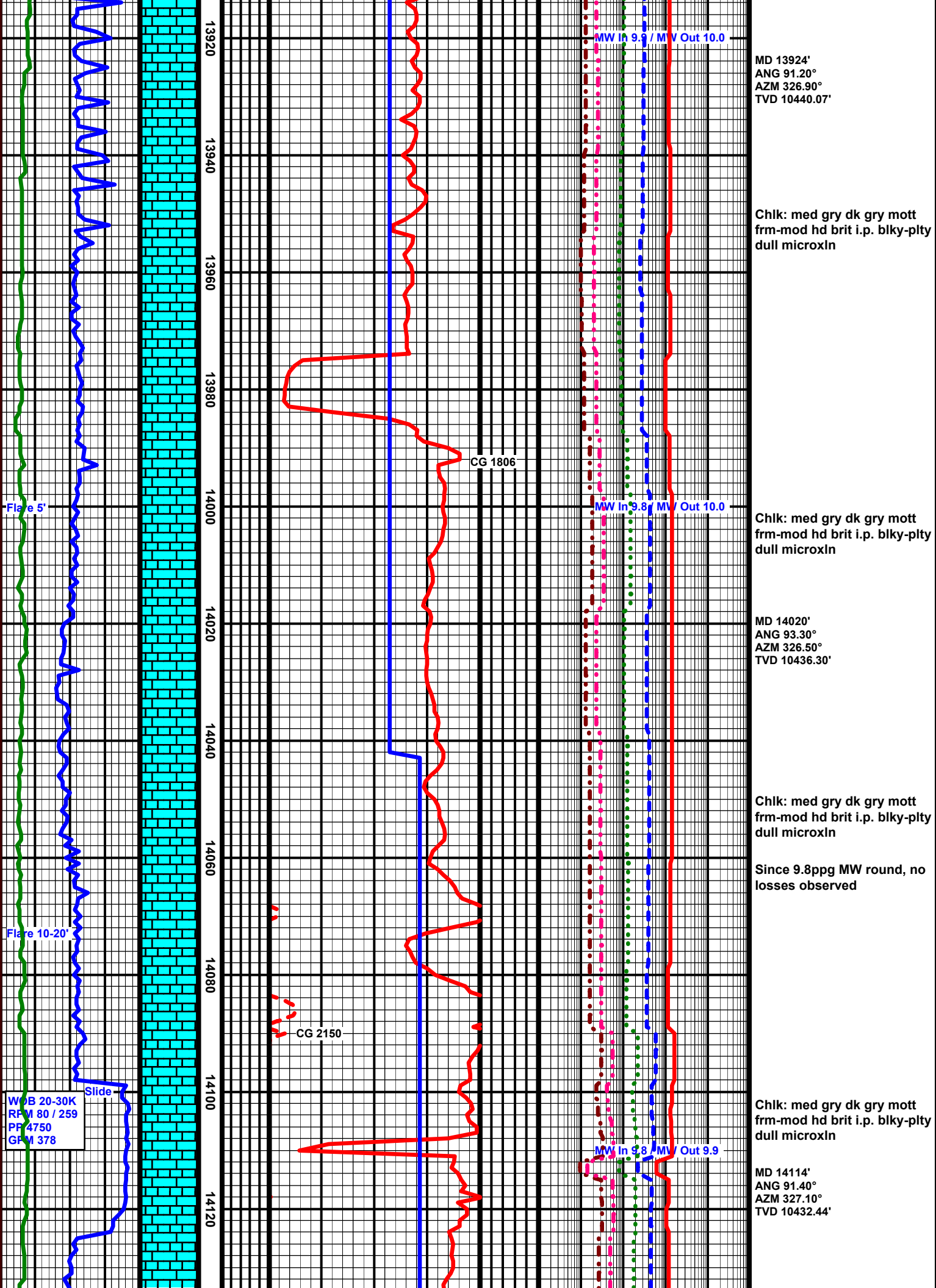


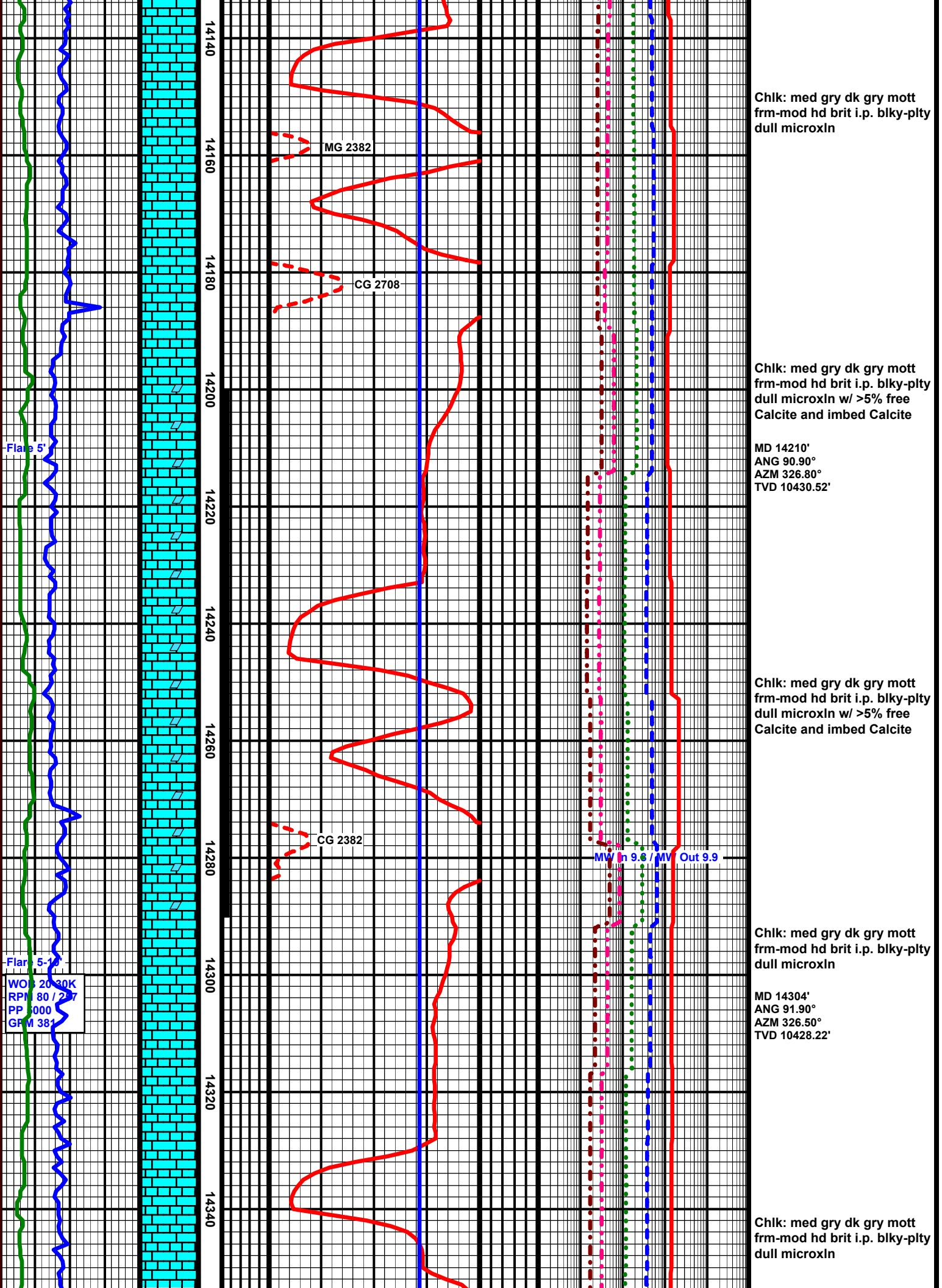


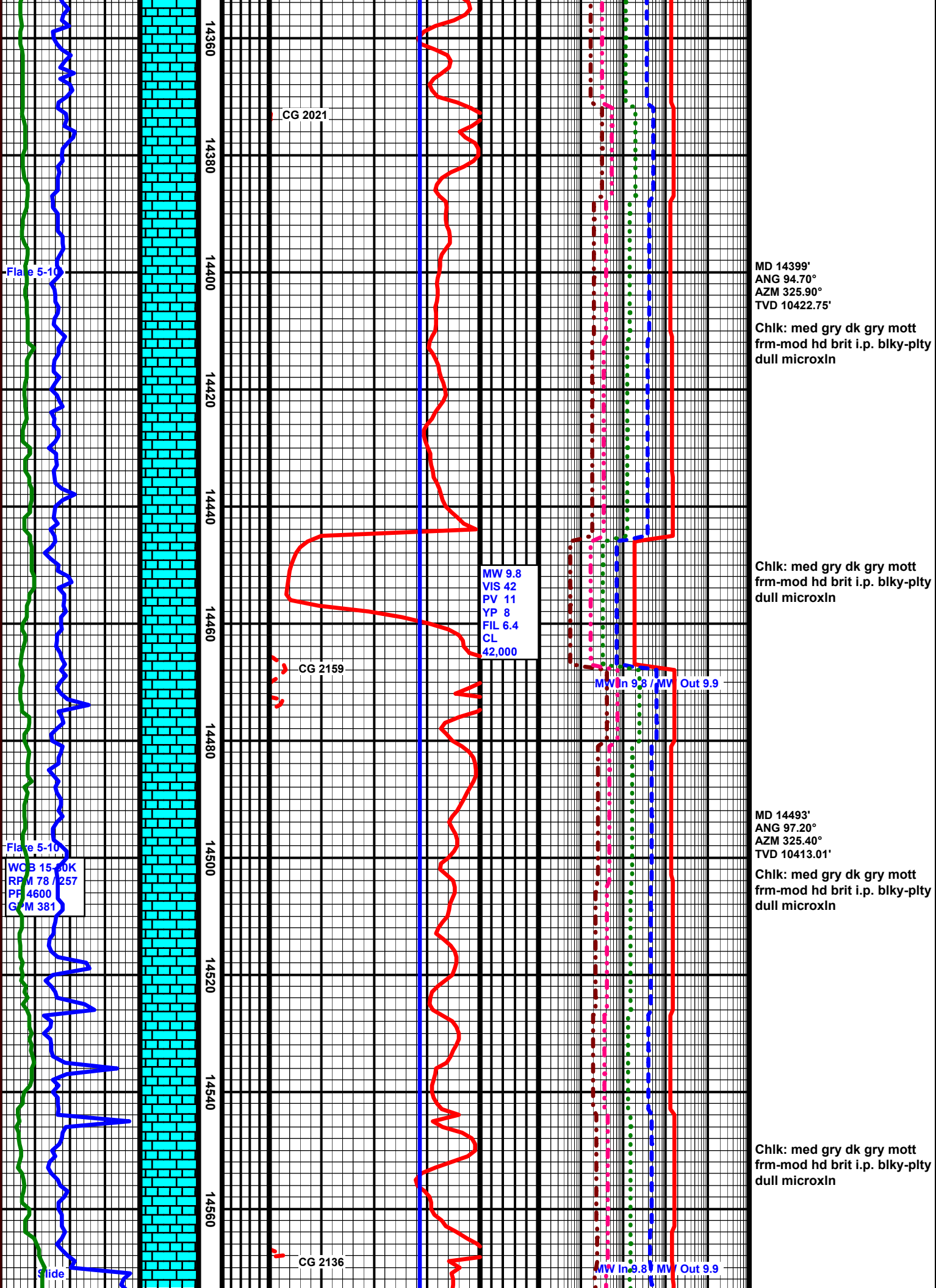


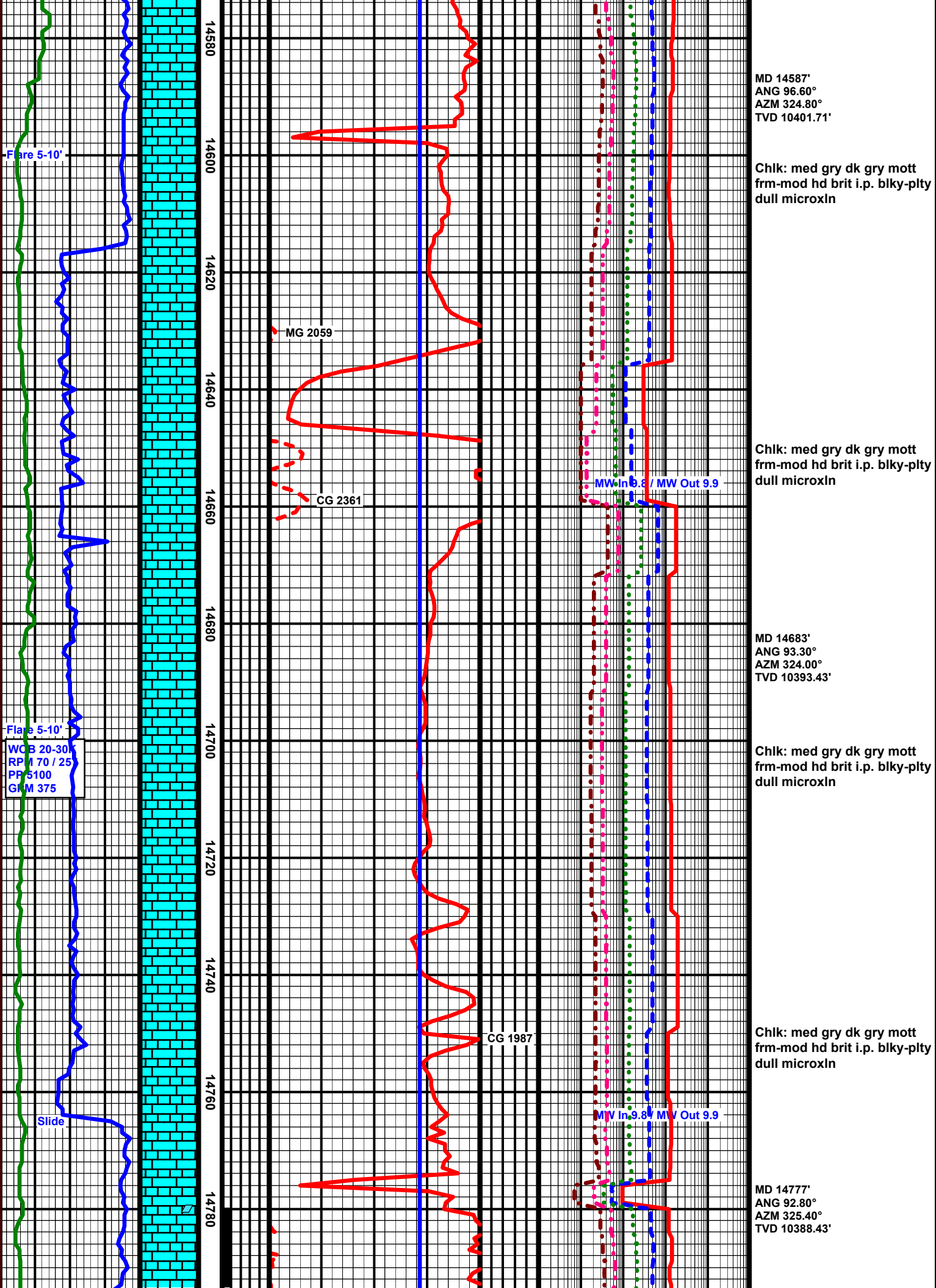


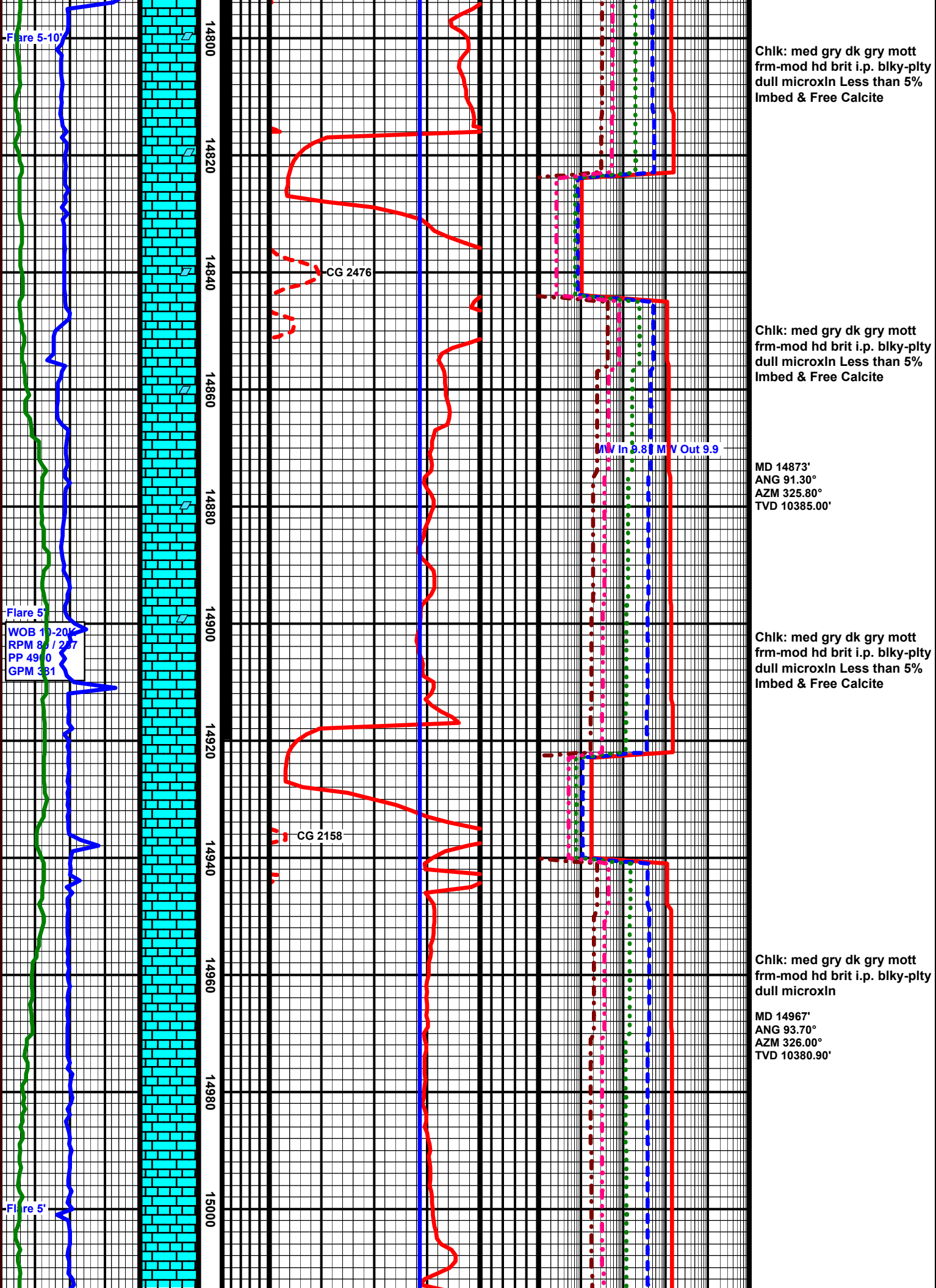












Chlk: med gry dk gry mott  
frm-mod hd brit i.p. blkly-plty  
dull microxln Less than 5%  
Imbed & Free Calcite

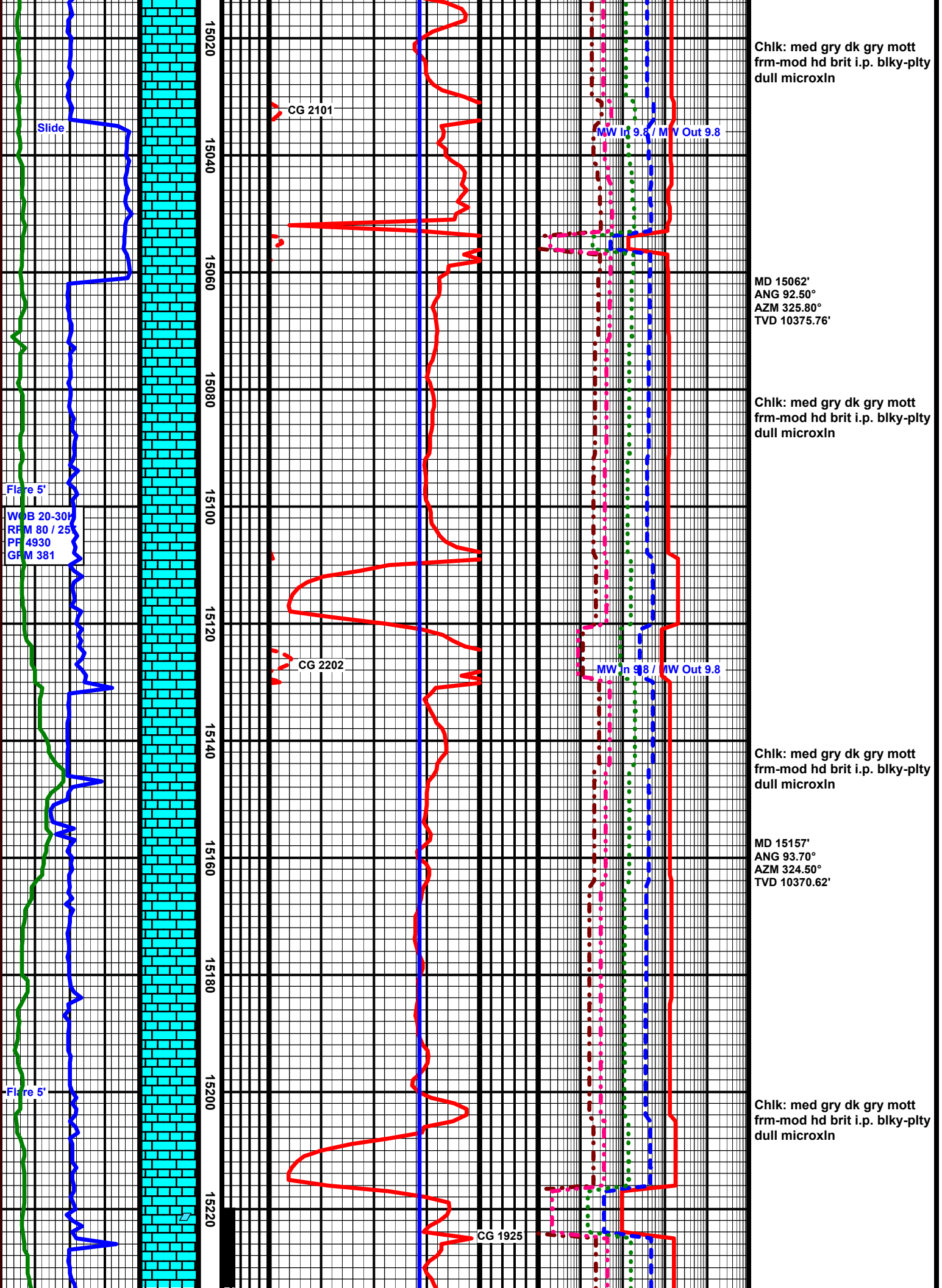
Chlk: med gry dk gry mott  
frm-mod hd brit i.p. blkly-plty  
dull microxln Less than 5%  
Imbed & Free Calcite

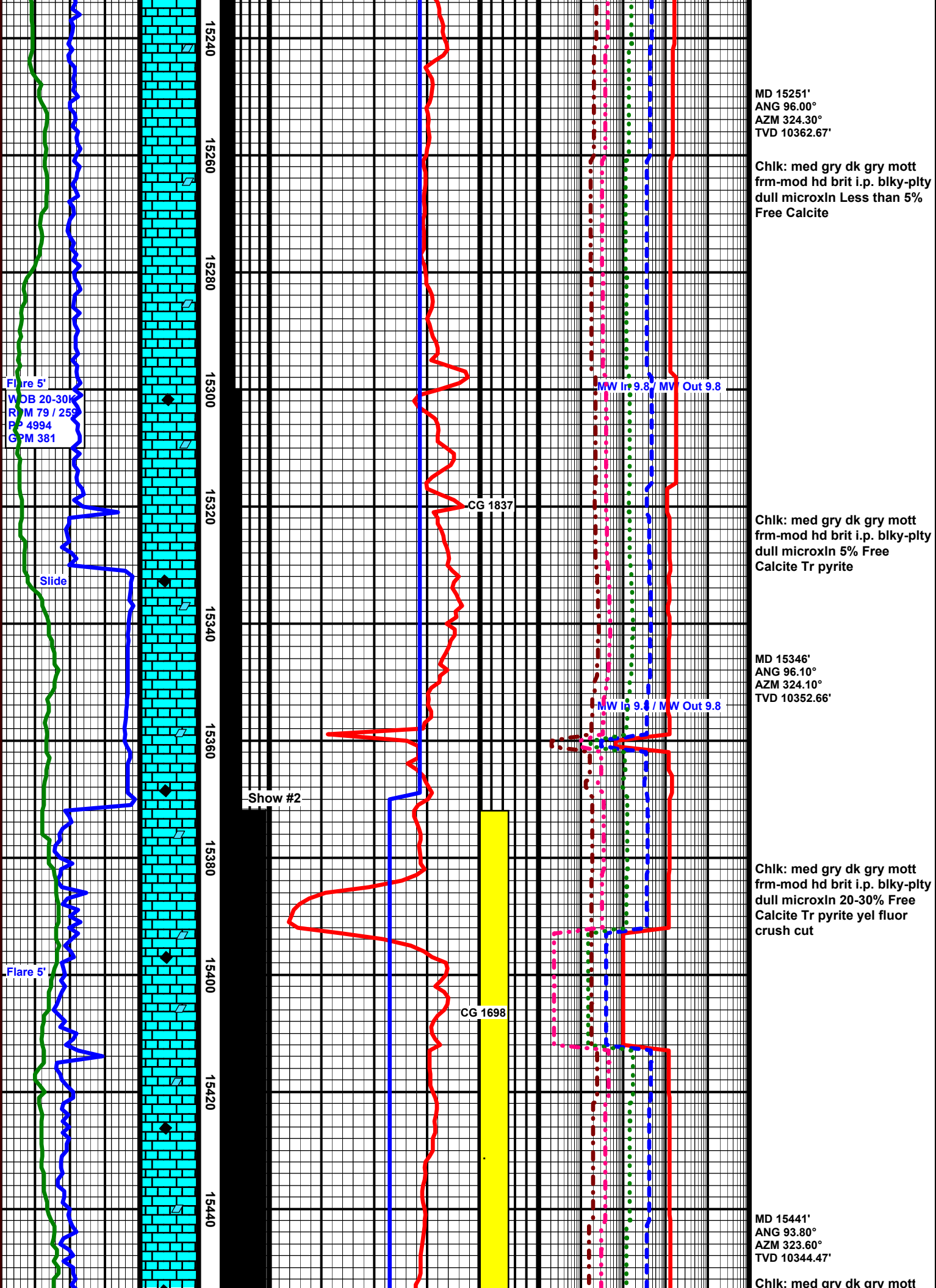
MD 14873'  
ANG 91.30°  
AZM 325.80°  
TVD 10385.00'

Chlk: med gry dk gry mott  
frm-mod hd brit i.p. blkly-plty  
dull microxln Less than 5%  
Imbed & Free Calcite

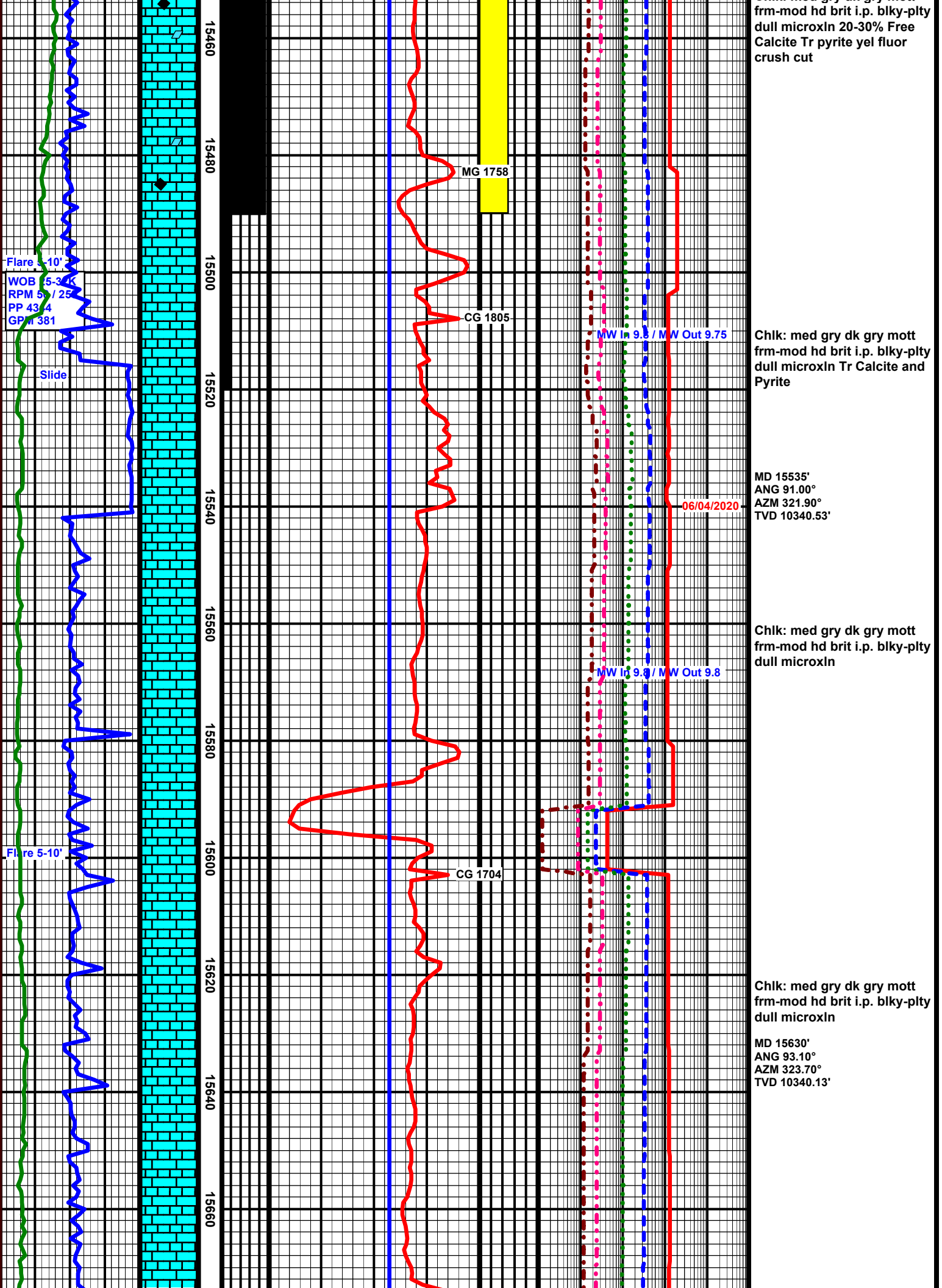
Chlk: med gry dk gry mott  
frm-mod hd brit i.p. blkly-plty  
dull microxln

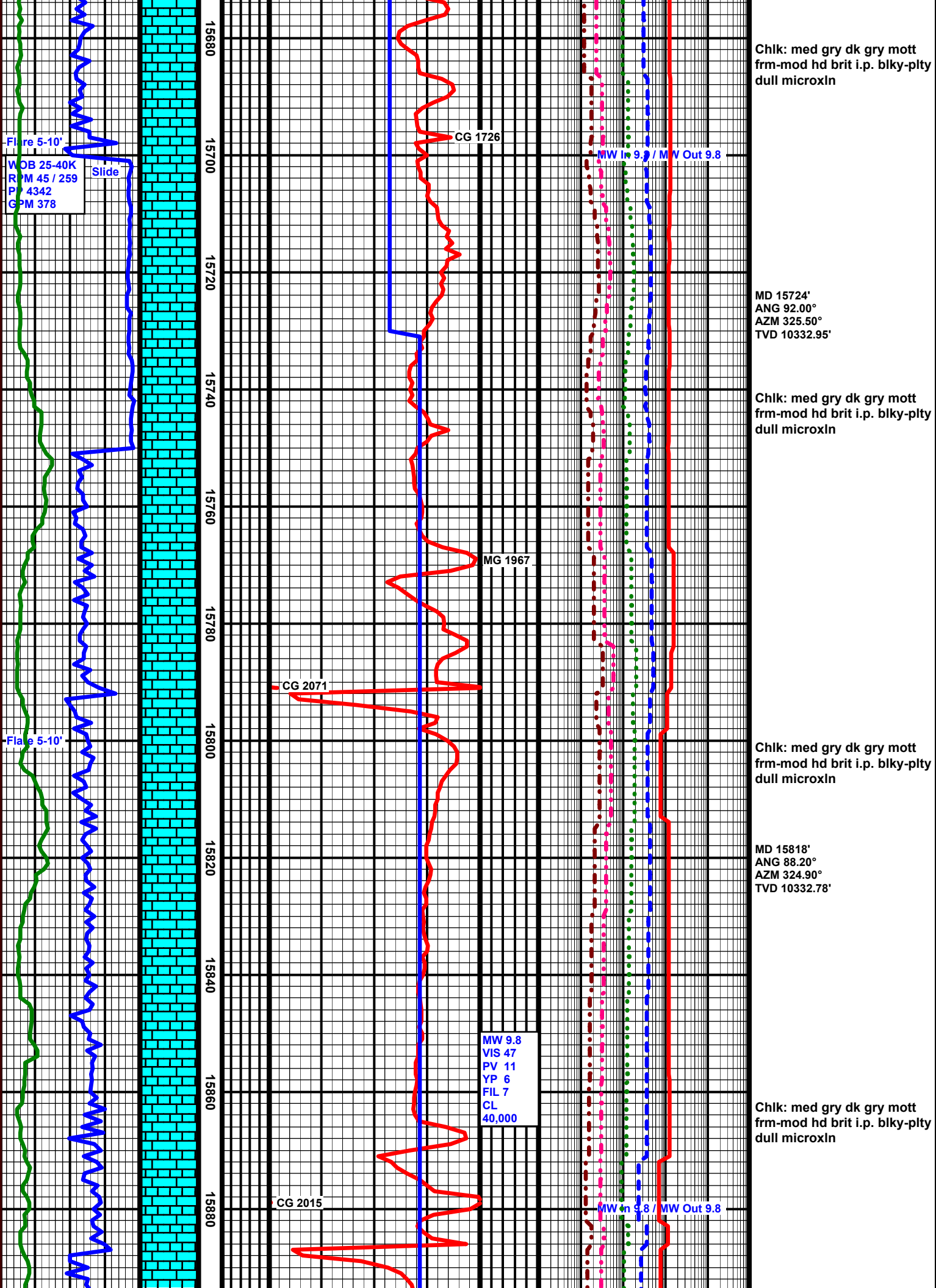
MD 14967'  
ANG 93.70°  
AZM 326.00°  
TVD 10380.90'

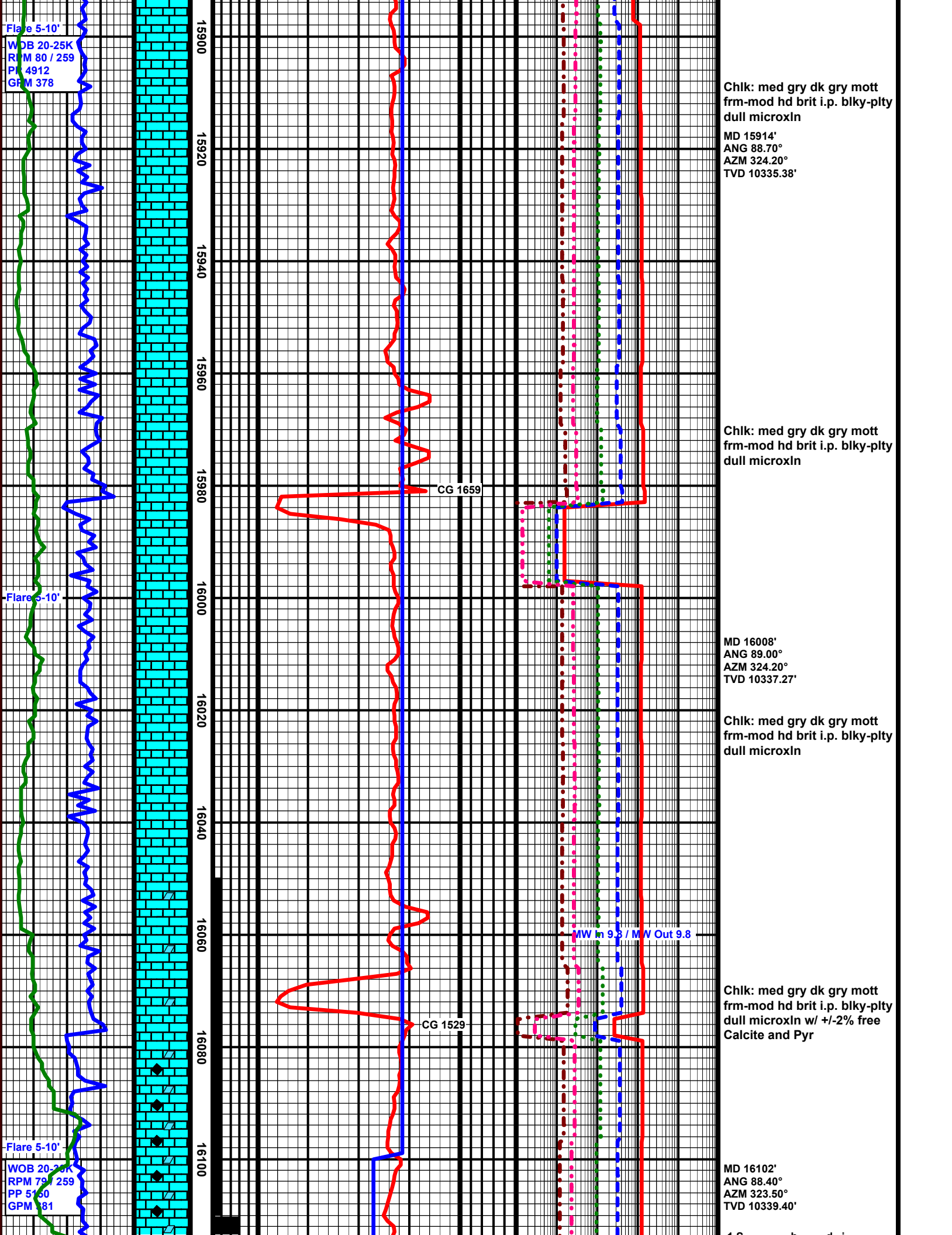


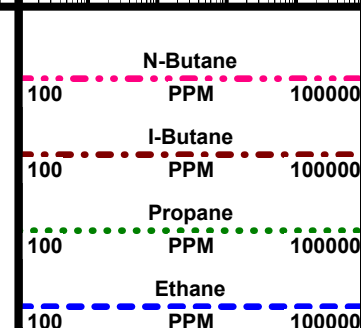
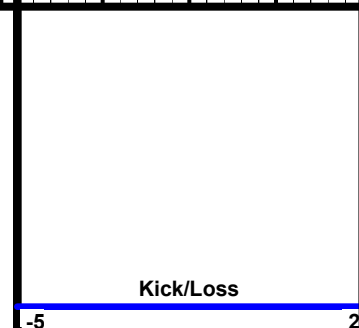
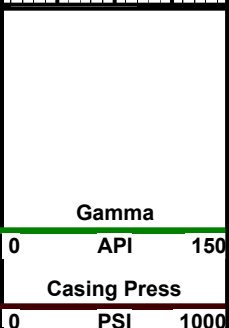
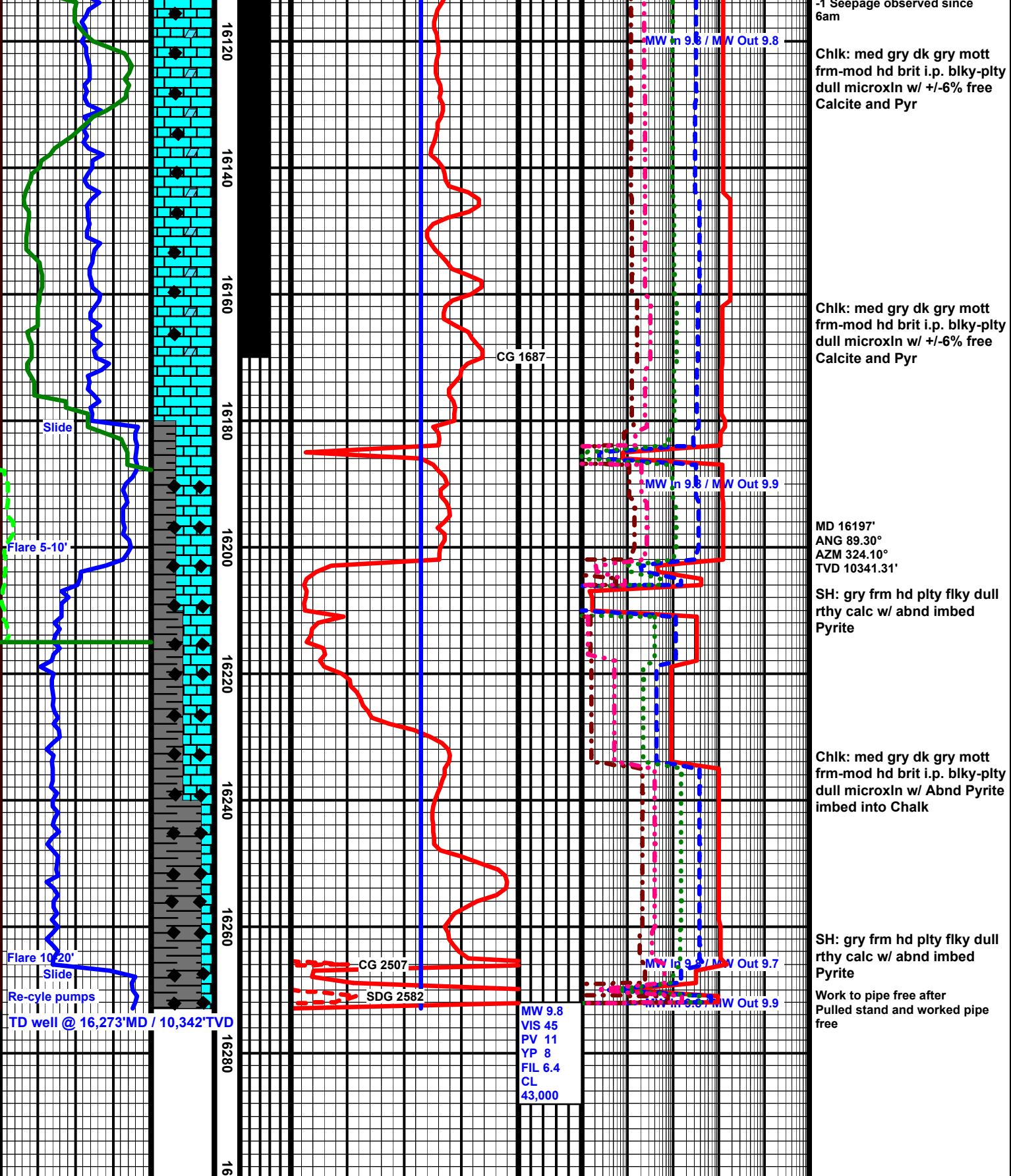












ROP						Total Gas				Methane			
400	Ft/Hr	0				0	Units	2000		100	PPM	100000	
ROP			Lith		Frac.	Gas			Fluor	Chromatograph			Remarks