



FIVE INCH ROP-MD

COUNTY	Fayette County
FIELD	Giddings
LOCATION	Lee County
WELL	Rainier 1H ST01
COMPANY	Magnolia Oil & Gas

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CONTRACTOR	Patterson-UTT		
WELL	Rainier 1H ST01		
FIELD	Giddings		
COUNTY	Fayette County	STATE	Texas
LOCATION		Other Services Five Inch ROP-MD	
X= 3120941.67 Y= 209081.2			
API SERIAL NO	SECTION	TOWNSHIP	RANGE
42-149-33519			

SPUD DATE	05/13/2021	TOTAL DEPTH	20,659'	Elev.	KB	387'
LOGGING STARTED	5/23/2021	@	11,985'	D.F.		28'
LOGGING FINISHED	6/8/2021	@	20,659'	G.L.		359'
				S.F.		

BORE HOLE RECORD
















SOLE SIZE	FROM	TO	SIZE	WGT	FROM	TO
6.75"	11.985	20.659	7.625"	29.7#	Surface	11.974'

CASING RECORD

REMARKS: All depths correspond to drillers tally.

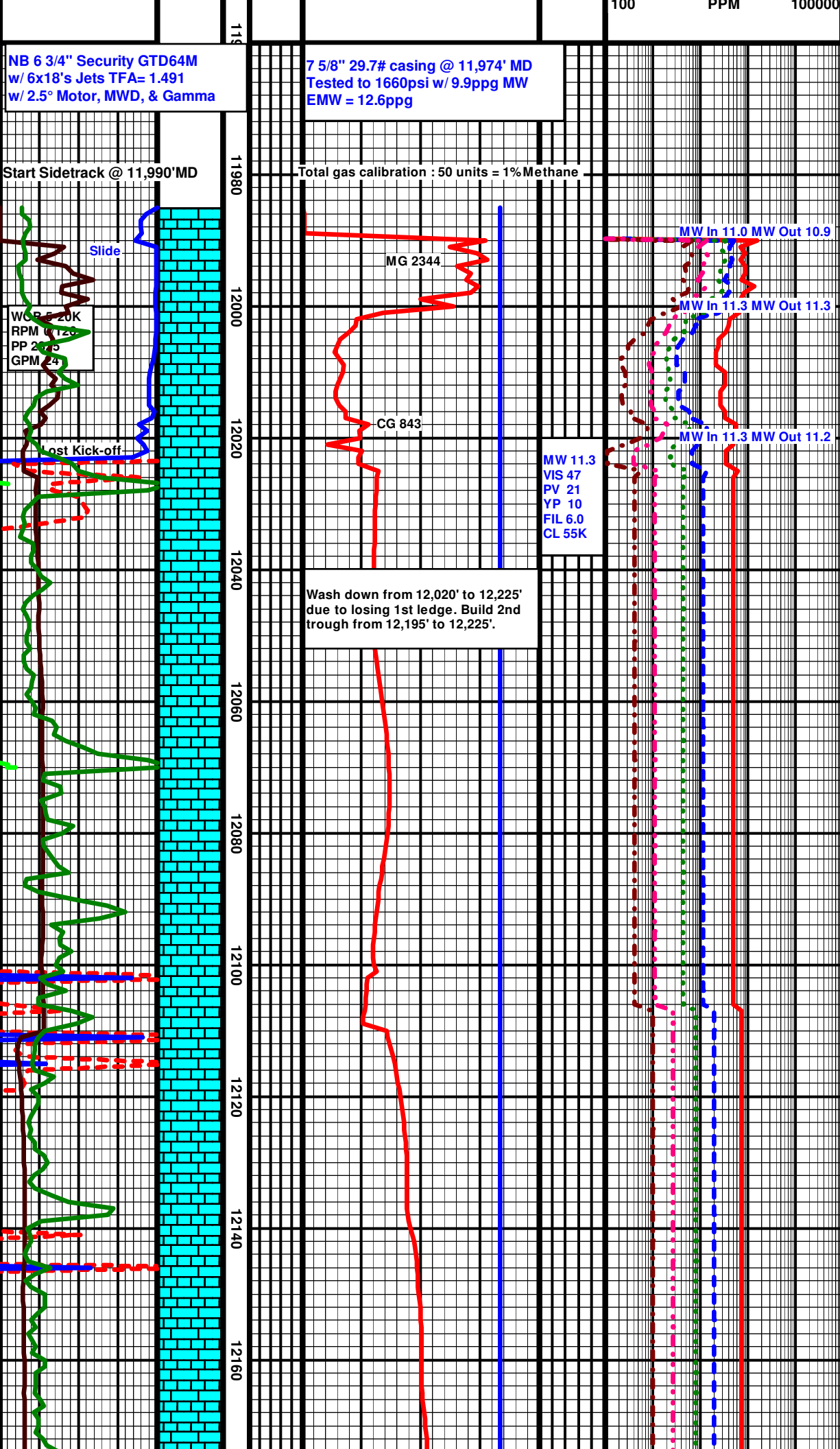
LOGGING PERSONNEL L.J. Dufrene, Josh Wilson

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	Rainier 1H ST01					
Location	Lee County	Sandstone	Coal	Ash	Sandy Limestone	Salt - Na
Supervisor	LJ Dufrene					
Unit	LR05	Siltstone	Cement	Chalk	Marl	Salt - K
						

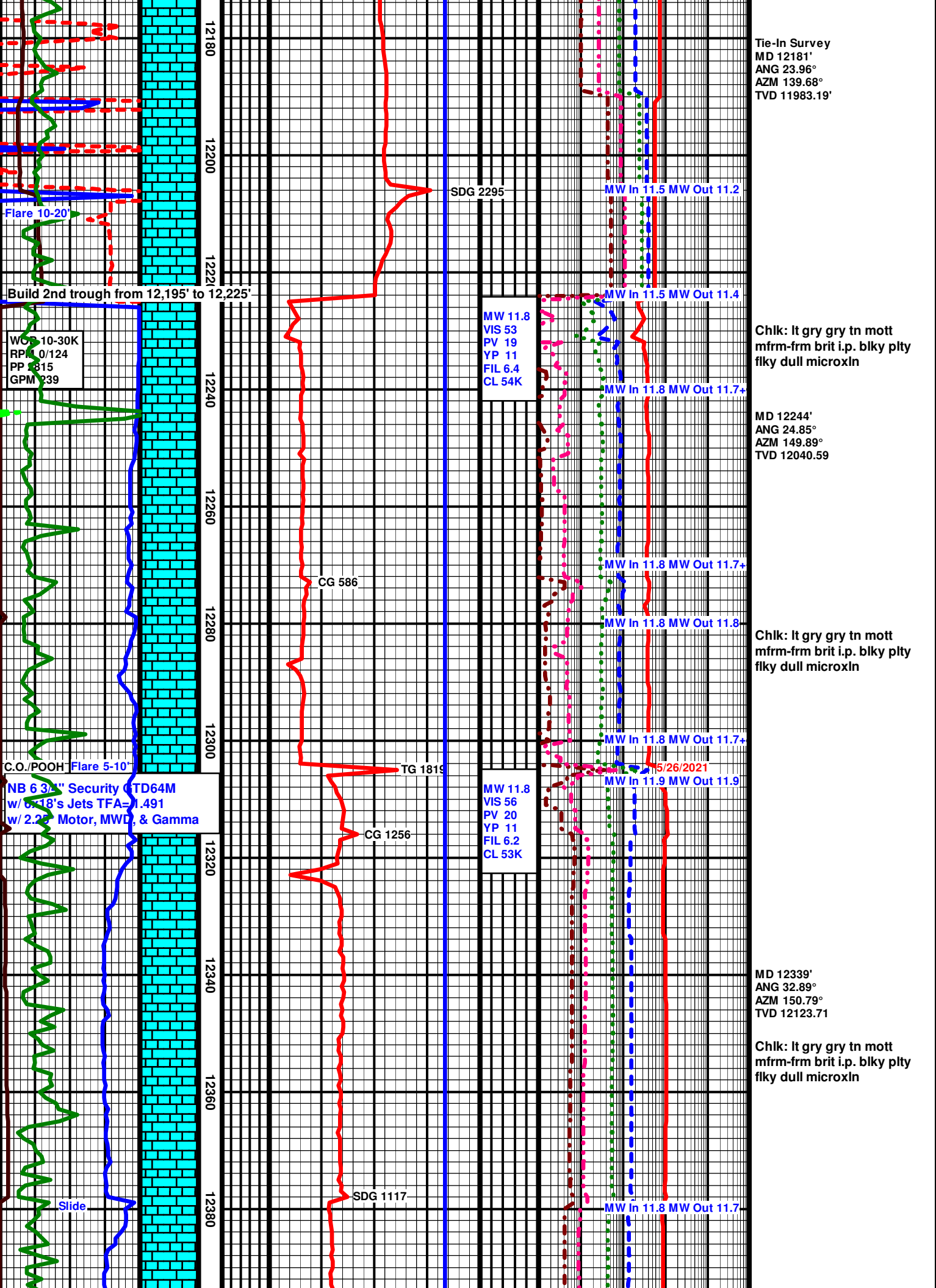
SHOWS HAVE THE FOLLOWING SIGNIFRGANCE			
T - TRACE [ZONE OF INTEREST]	NDB - NEW DIAMOND BIT	UDB - USED DIAMOND BIT	CG - CONNECTION GAS
P - POOR SHOW PROBABLY NOT PRODUCTIVE	NB - NEW BIT	CO - CIRCULATING OUT	NR - NO RETURNS
F - FAIR SHOW POSSIBLY PRODUCTIVE	TG - TRIP GAS	LAT - LOGGED AFTER TRIP	DS - DIRECTIONAL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

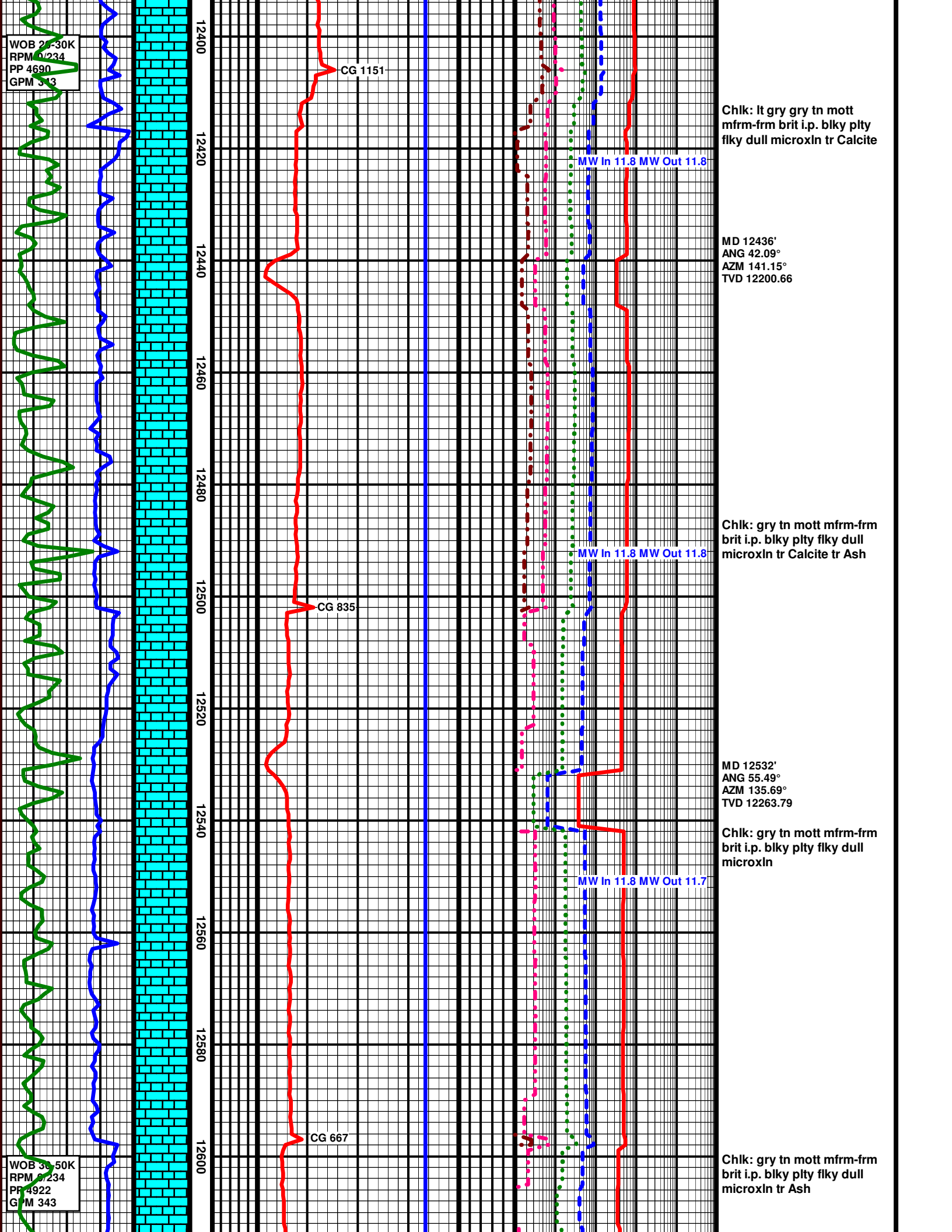
ROP			Lith		Frac.	Gas	Fluor	Chromatograph	Remarks
ROP						Total Gas		Methane	
400	Ft/Hr	0			0	Units	3000	100 PPM 100000	
Casing Pressure						Kick/Loss		Ethane	
0	PSI	1000			-5		1	100 PPM 100000	
Gamma								Propane	
0	API	150						100 PPM 100000	
								I Butane	
								100 PPM 100000	
								N Butane	

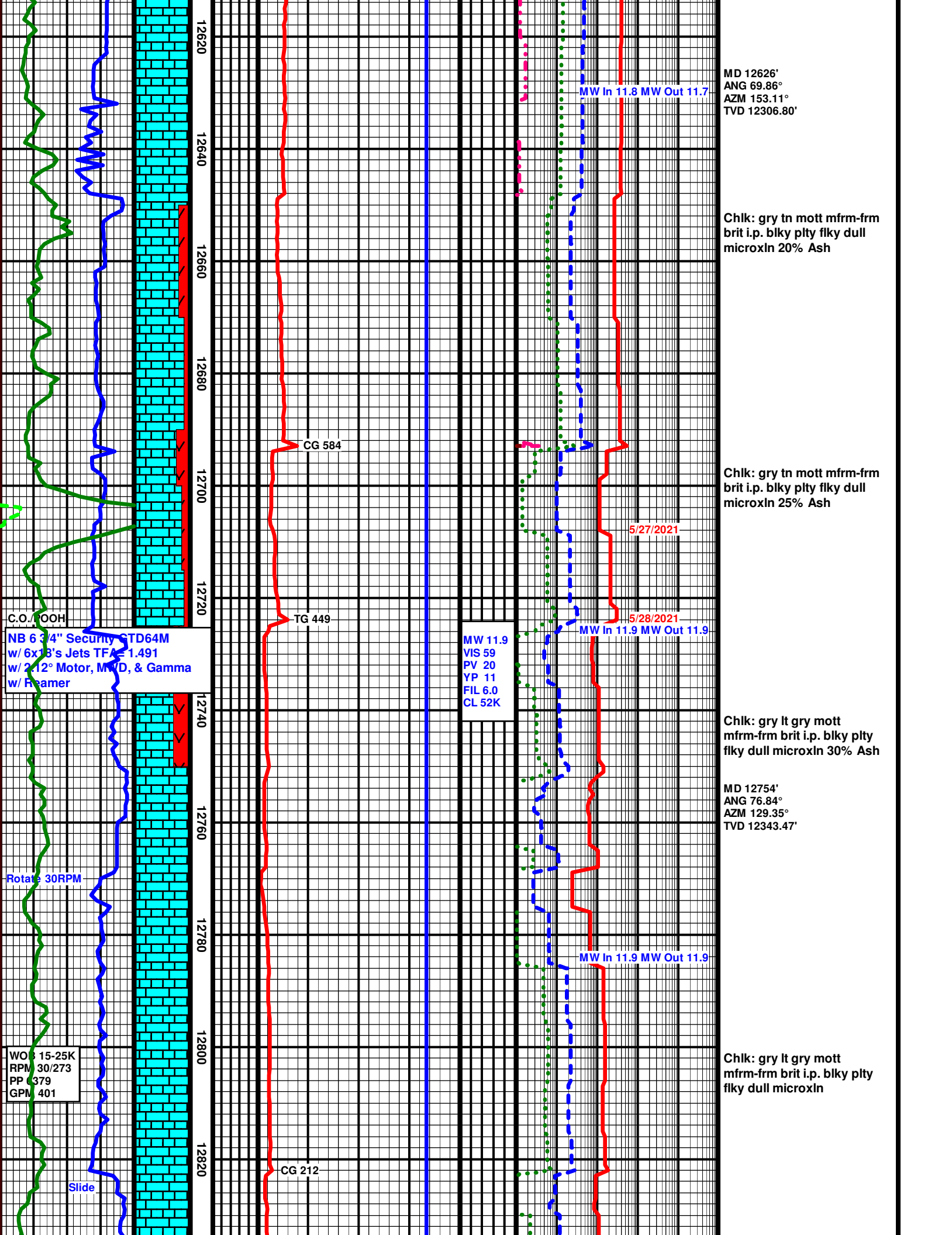


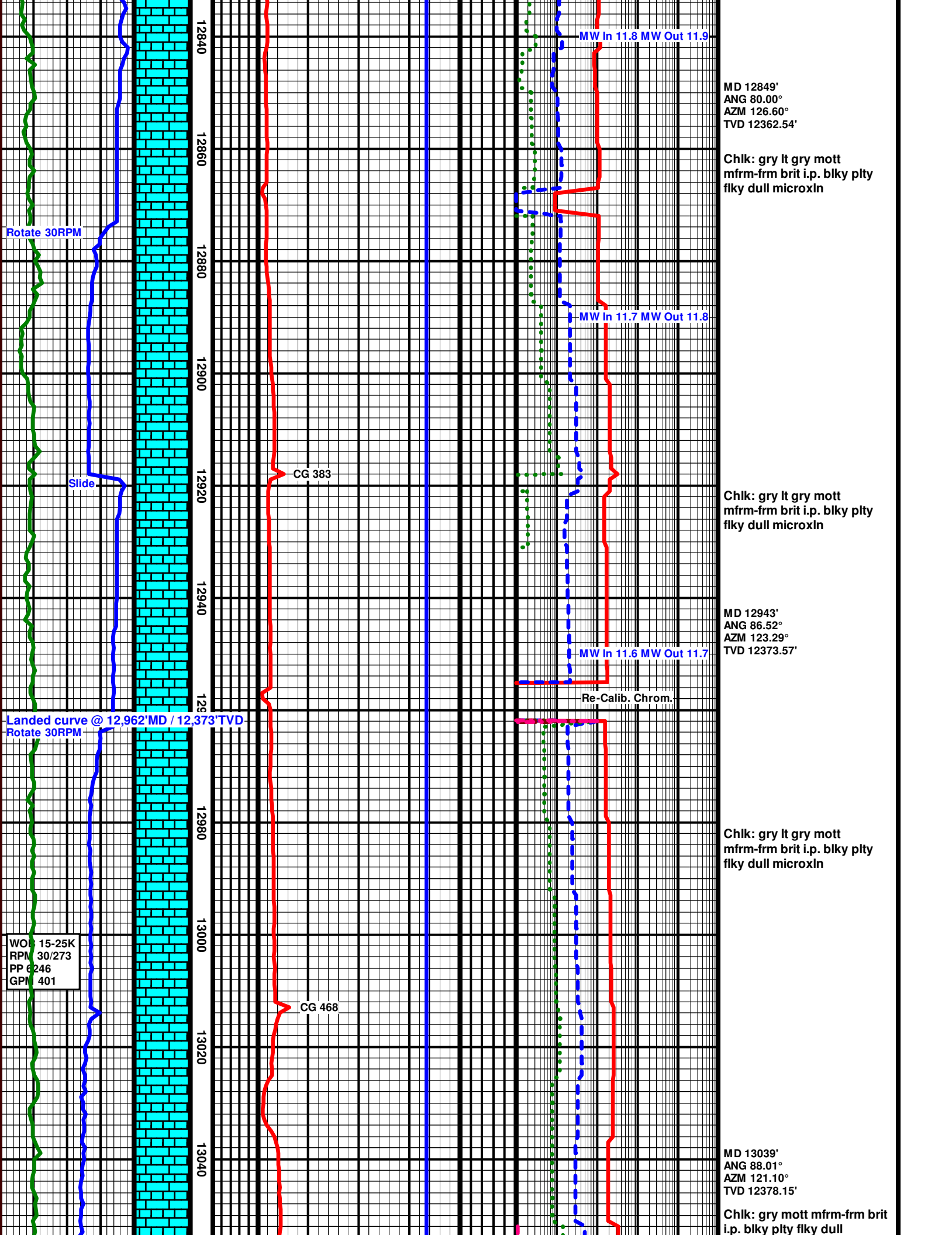
Chlk: lt gry - gry tn mott
mfrm-frn brit i.p. blkly plty
flky dull microxin

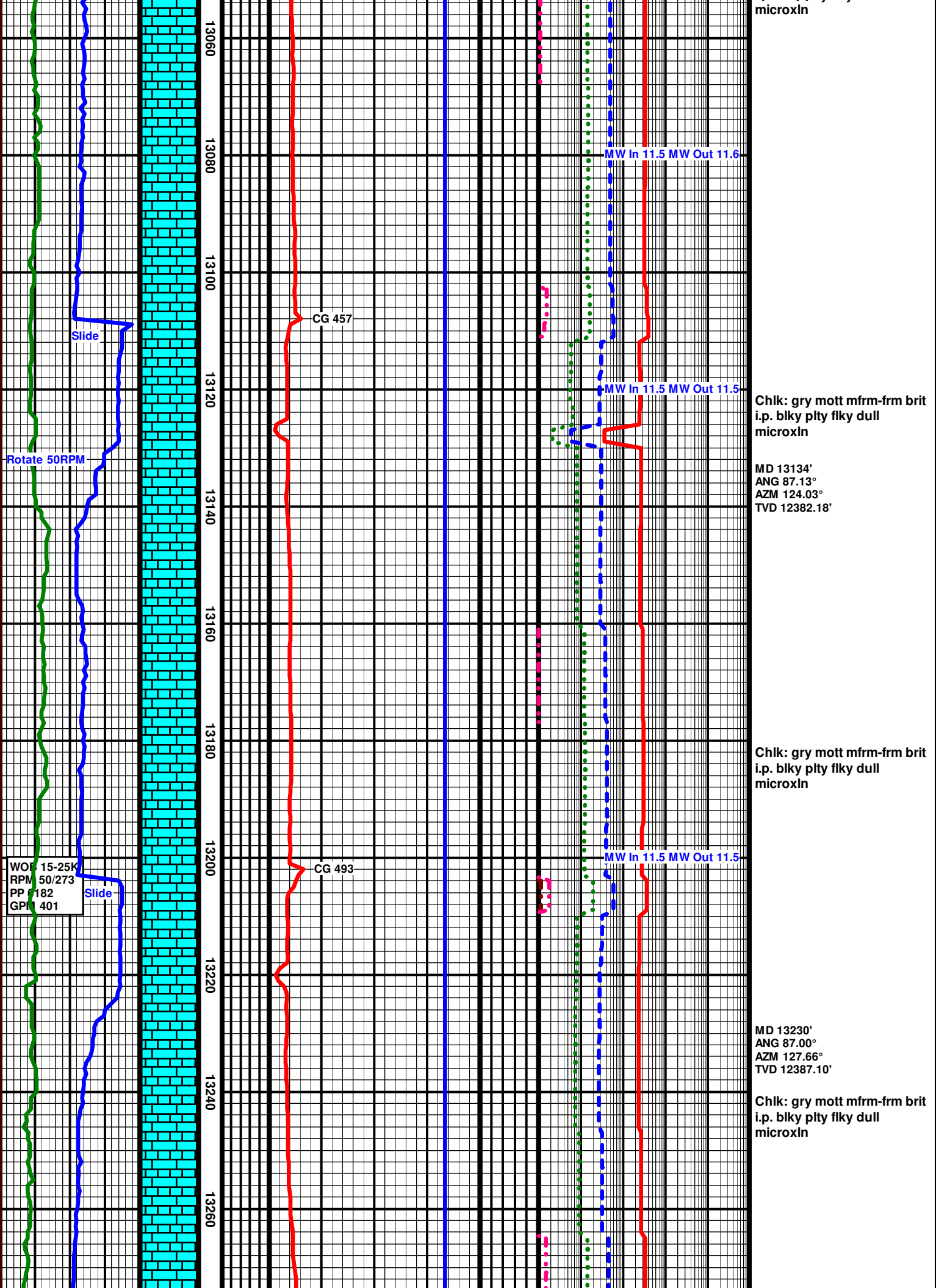
Original Survey
MD 12085'
ANG 15.62°
AZM 145.67°
TVD 11892.93'

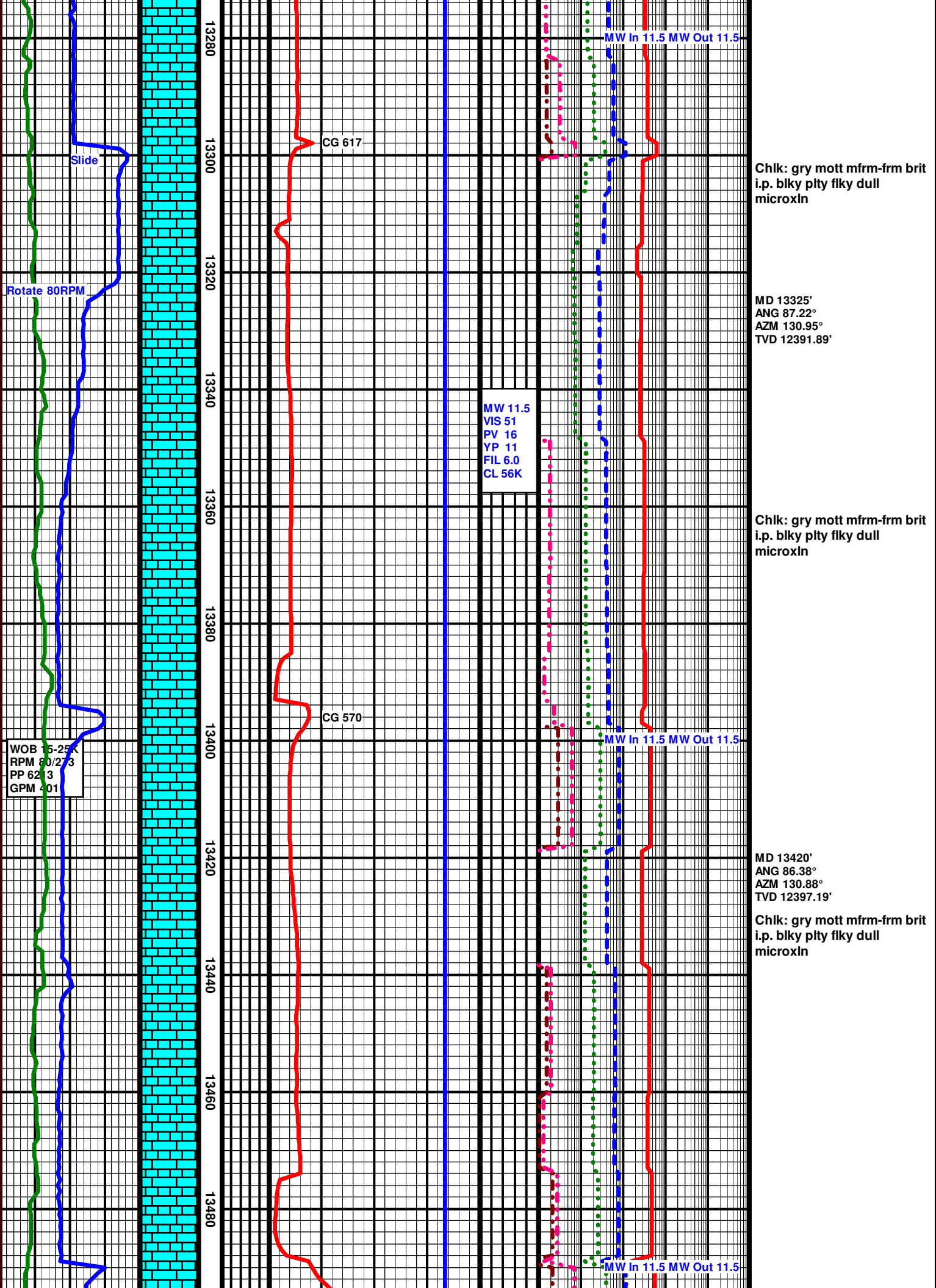


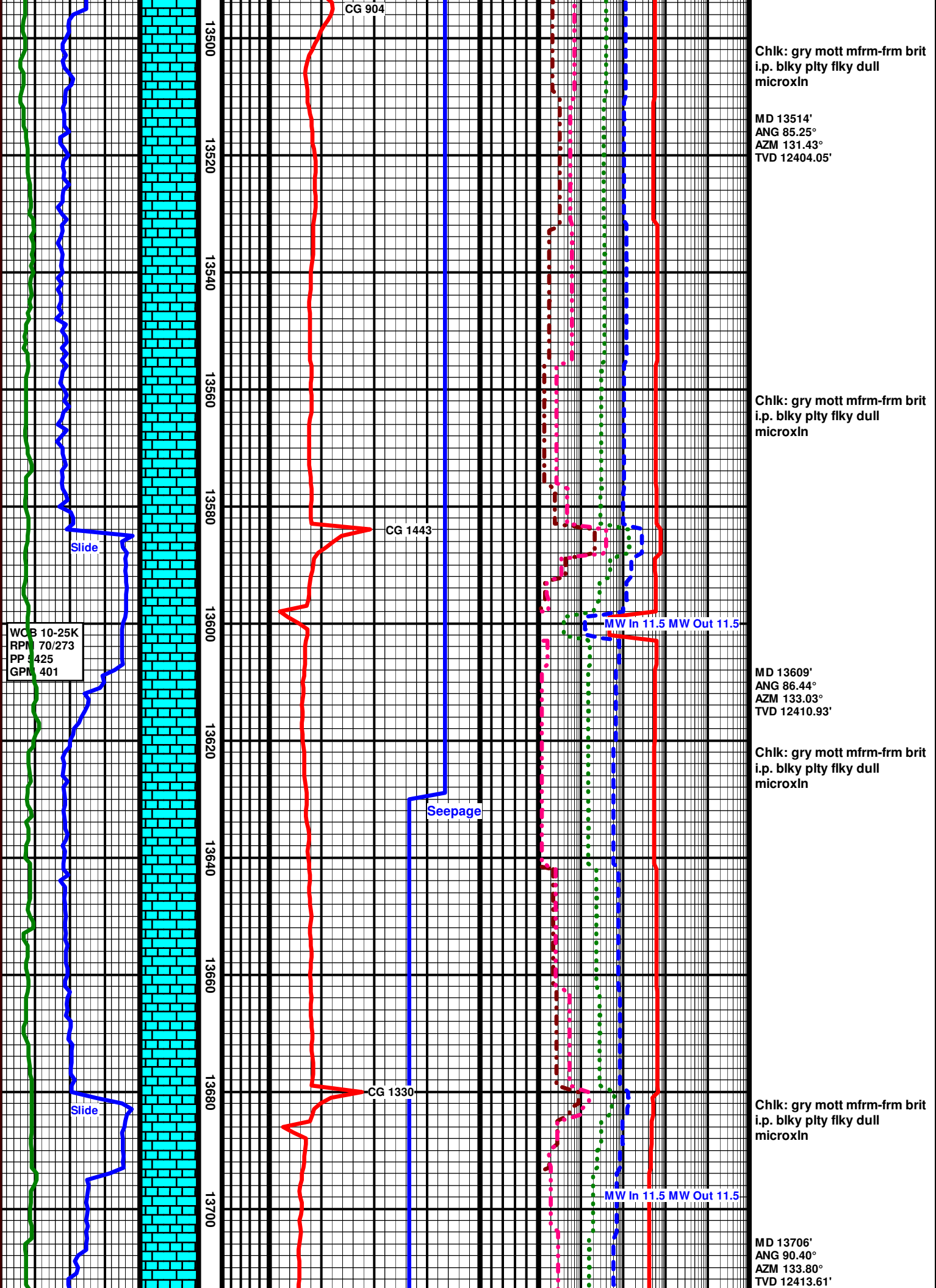


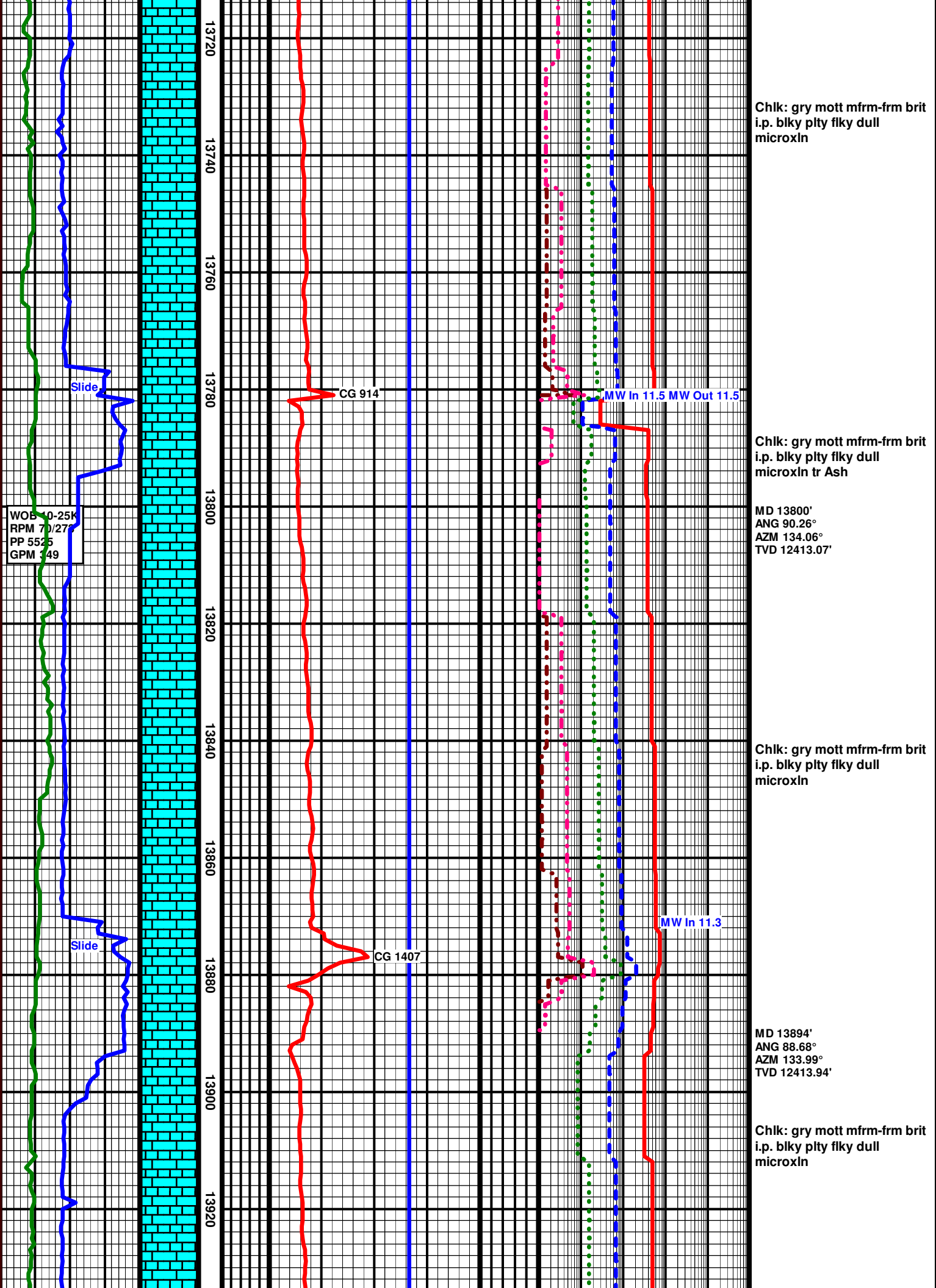


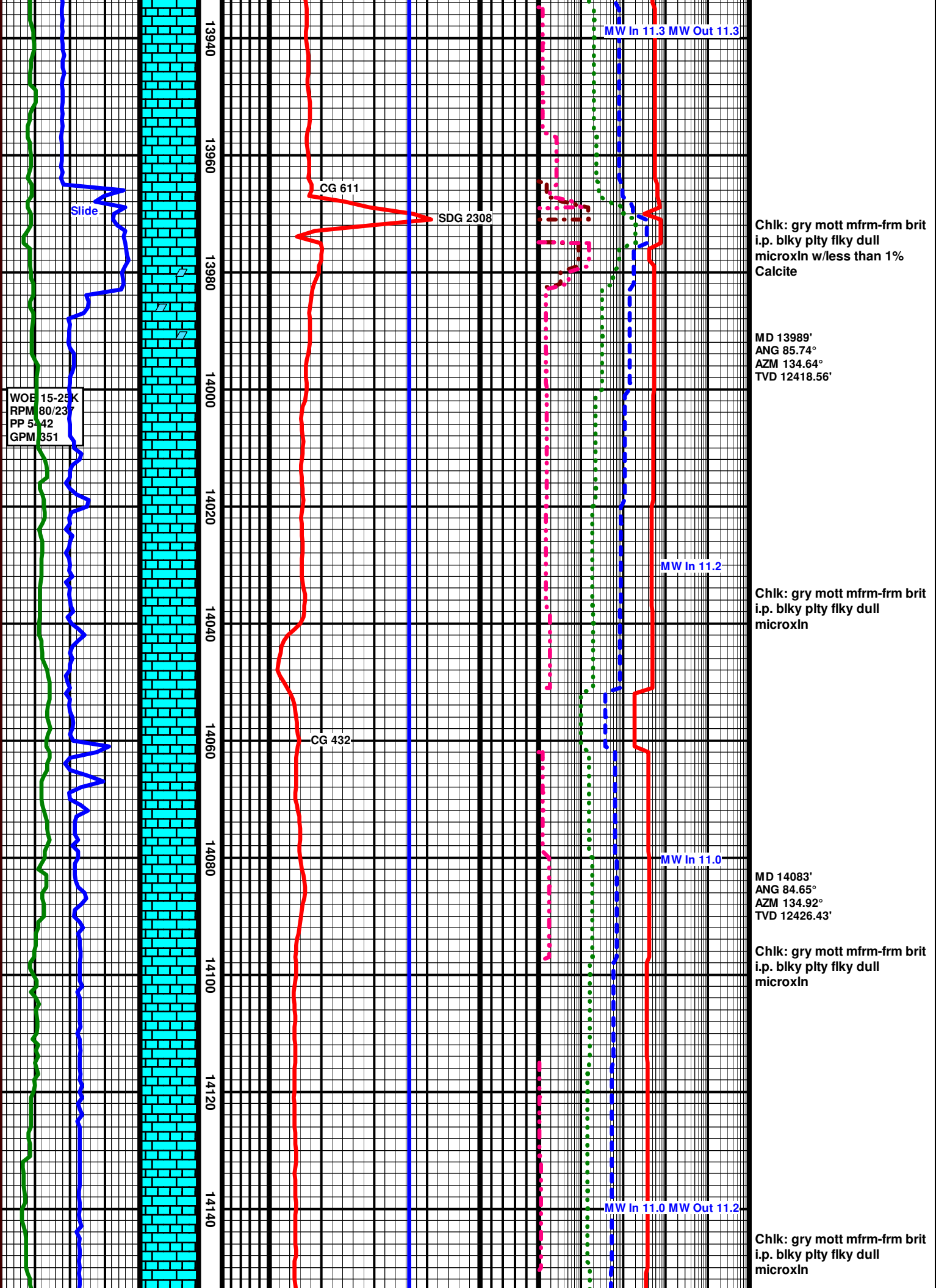


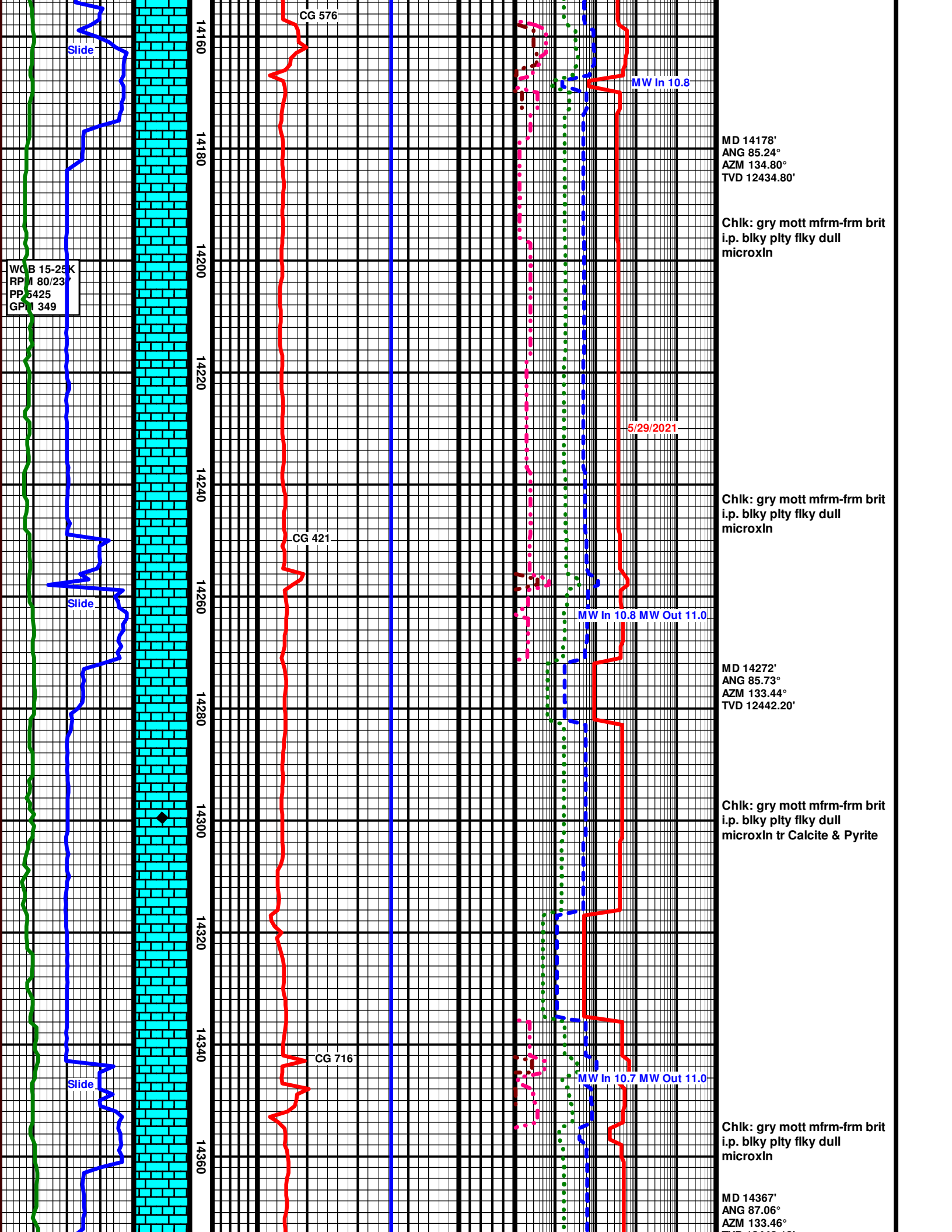


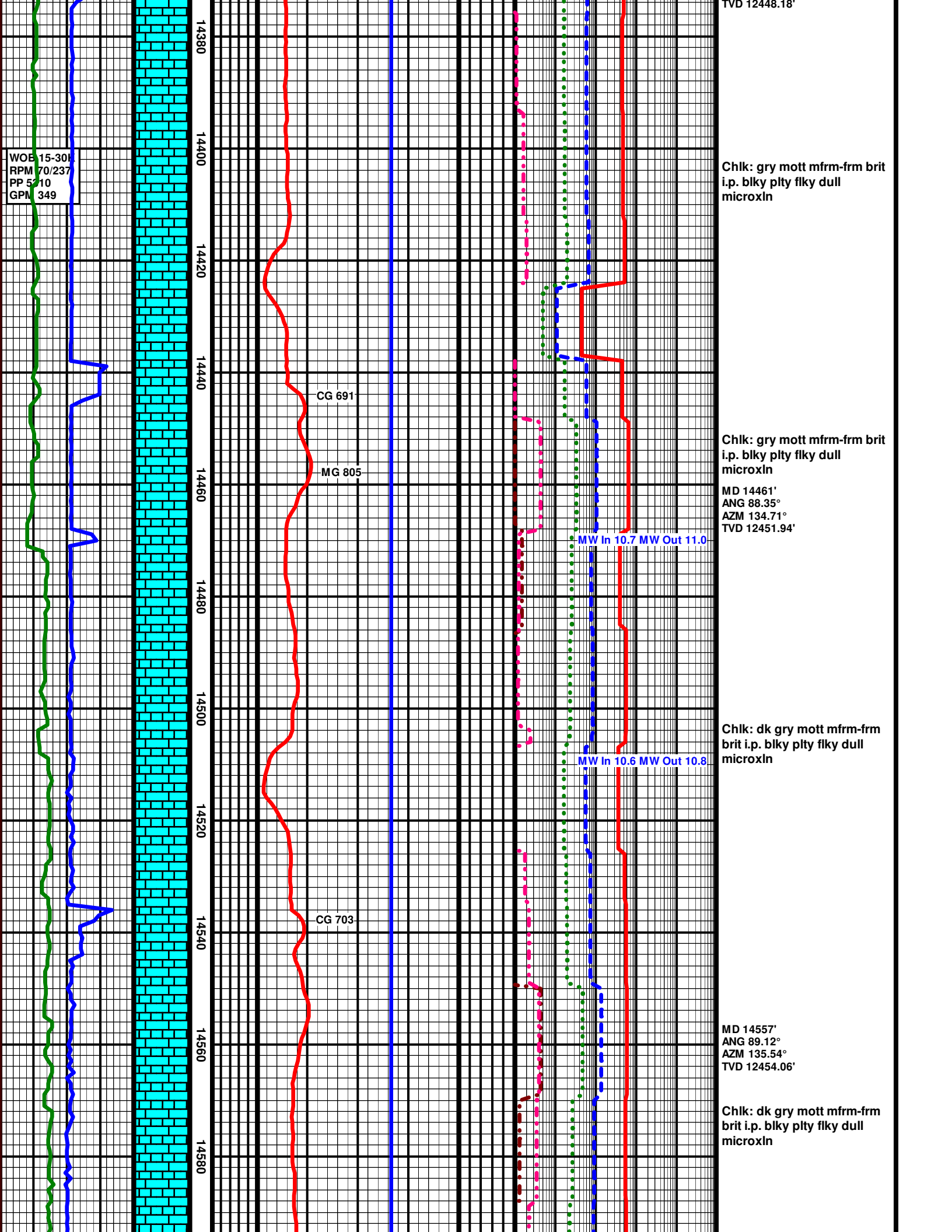


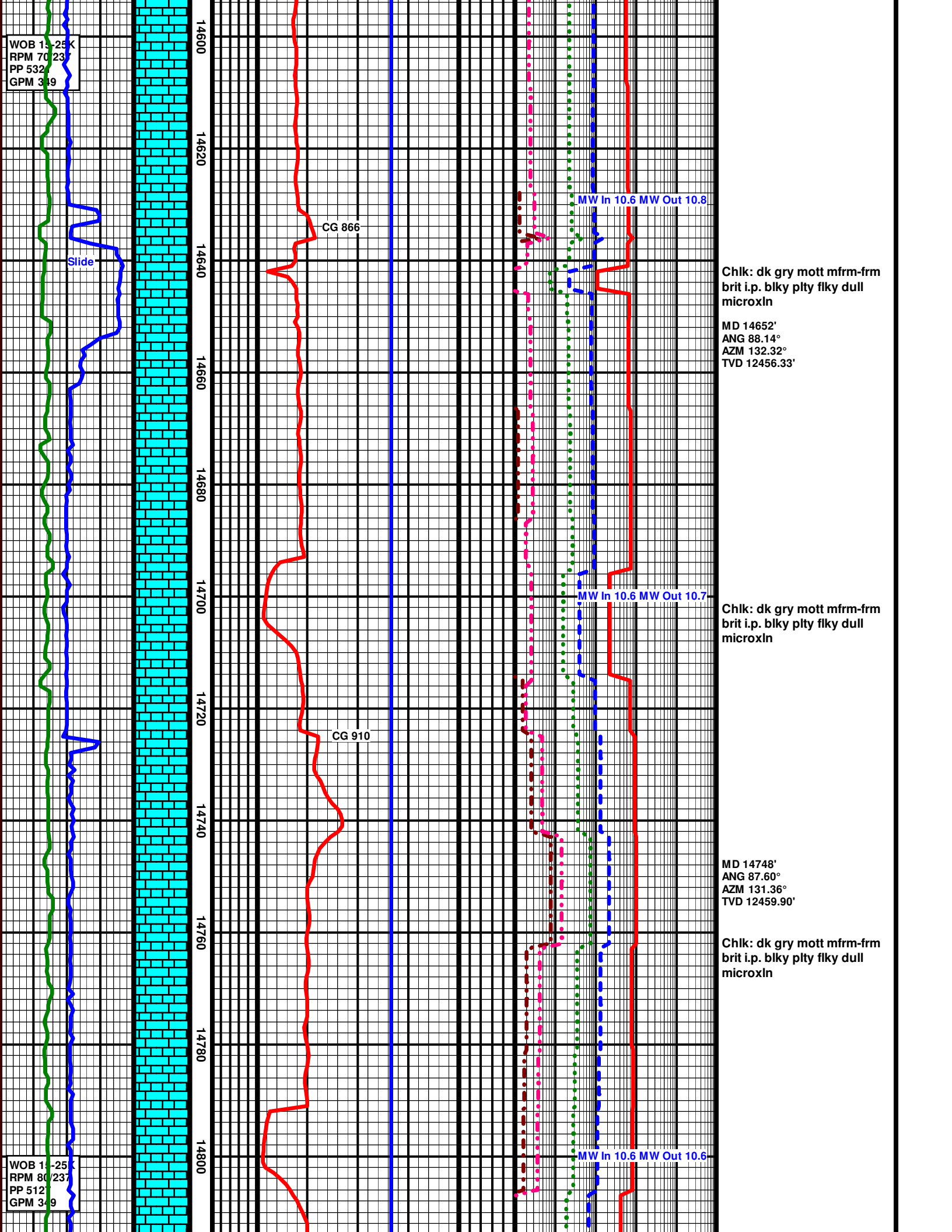












WOB 1-25 K
RPM 70/237
PP 532
GPM 349

Slide

CG 866

MW In 10.6 MW Out 10.8

Chlk: dk gry mott mfrm-frm
brit i.p. blk y pty flky dull
microxln

MD 14652'
ANG 88.14°
AZM 132.32°
TVD 12456.33'

MW In 10.6 MW Out 10.7

Chlk: dk gry mott mfrm-frm
brit i.p. blk y pty flky dull
microxln

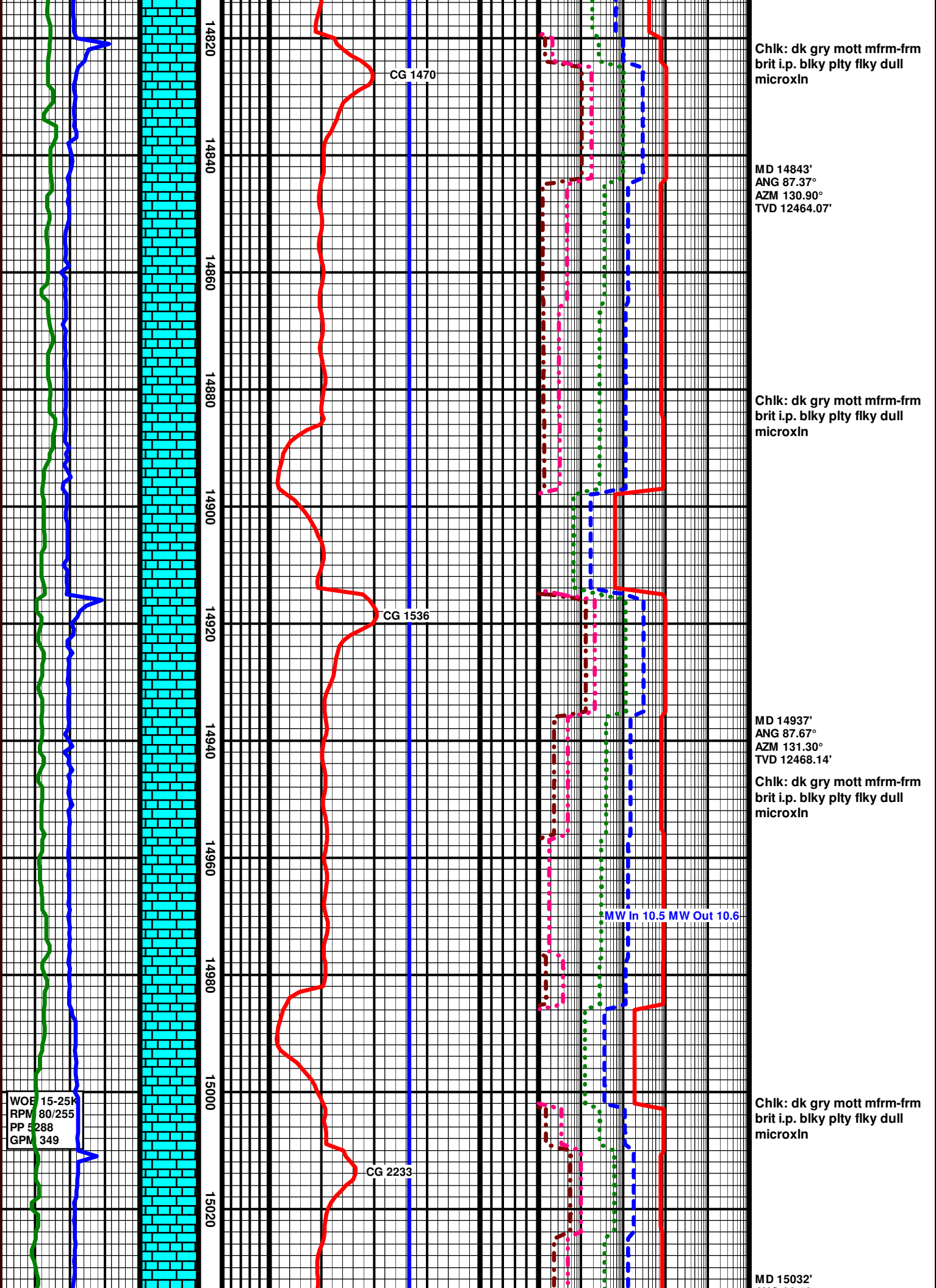
CG 910

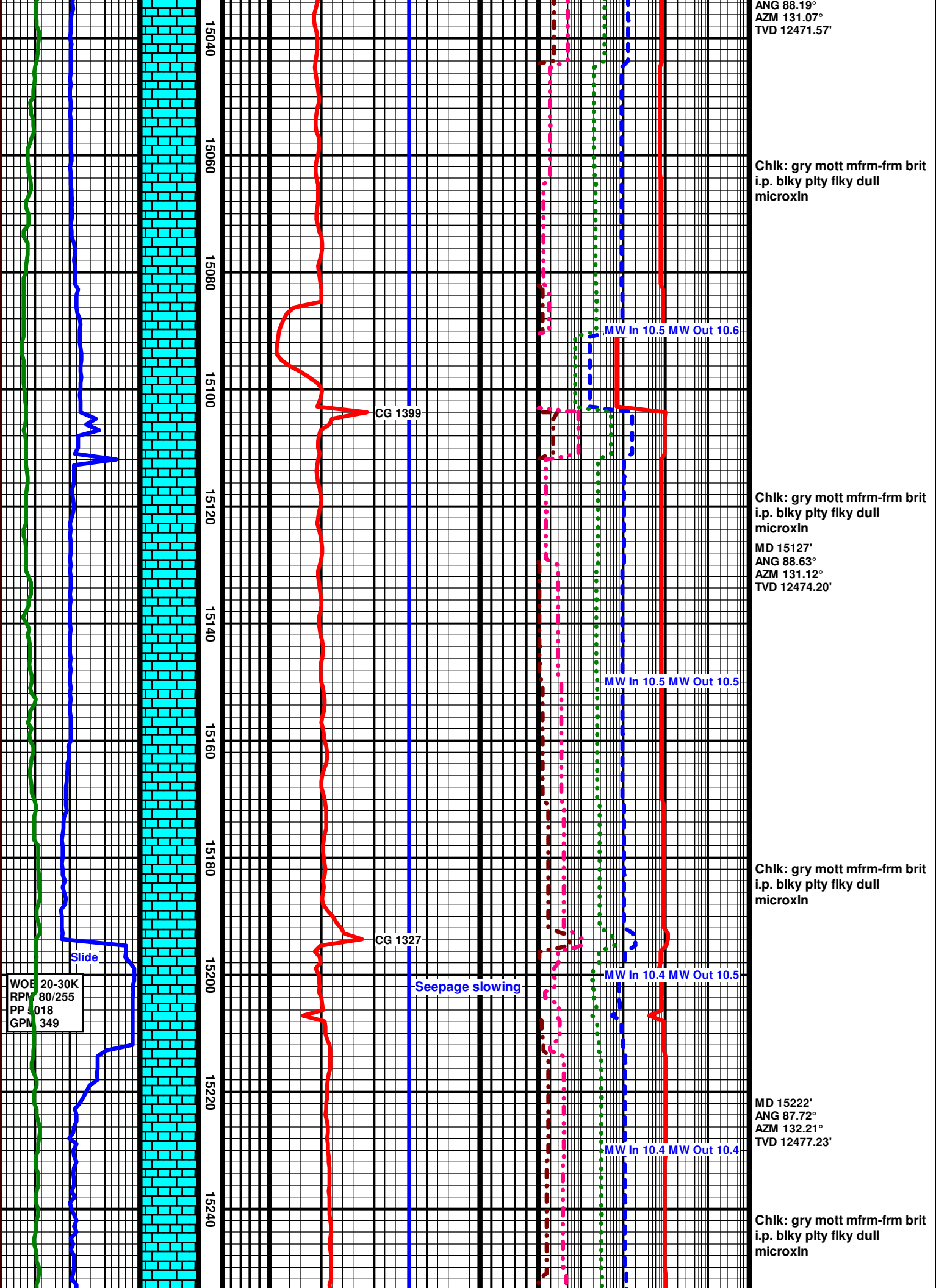
MD 14748'
ANG 87.60°
AZM 131.36°
TVD 12459.90'

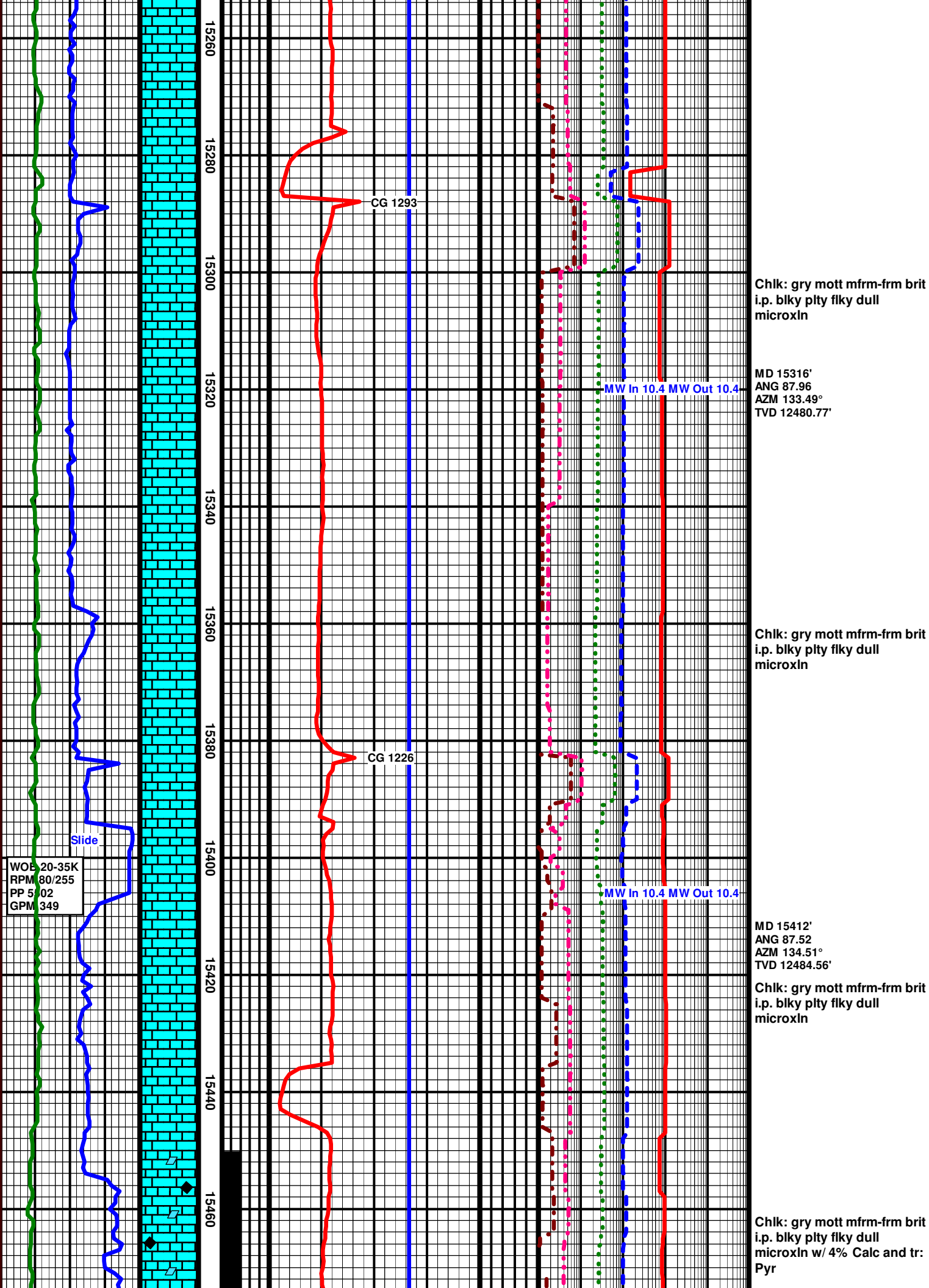
Chlk: dk gry mott mfrm-frm
brit i.p. blk y pty flky dull
microxln

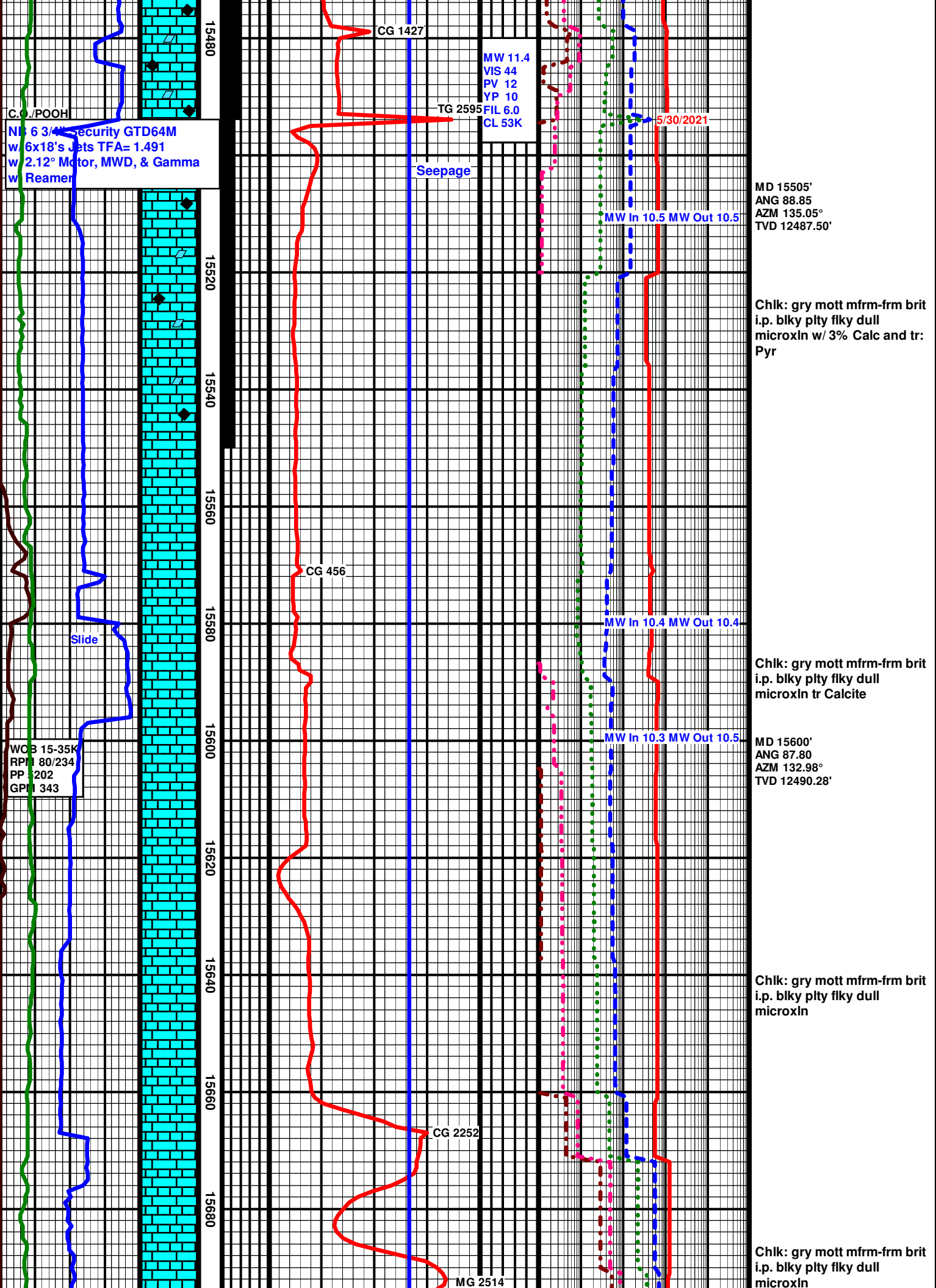
WOB 1-25 K
RPM 80/237
PP 512
GPM 349

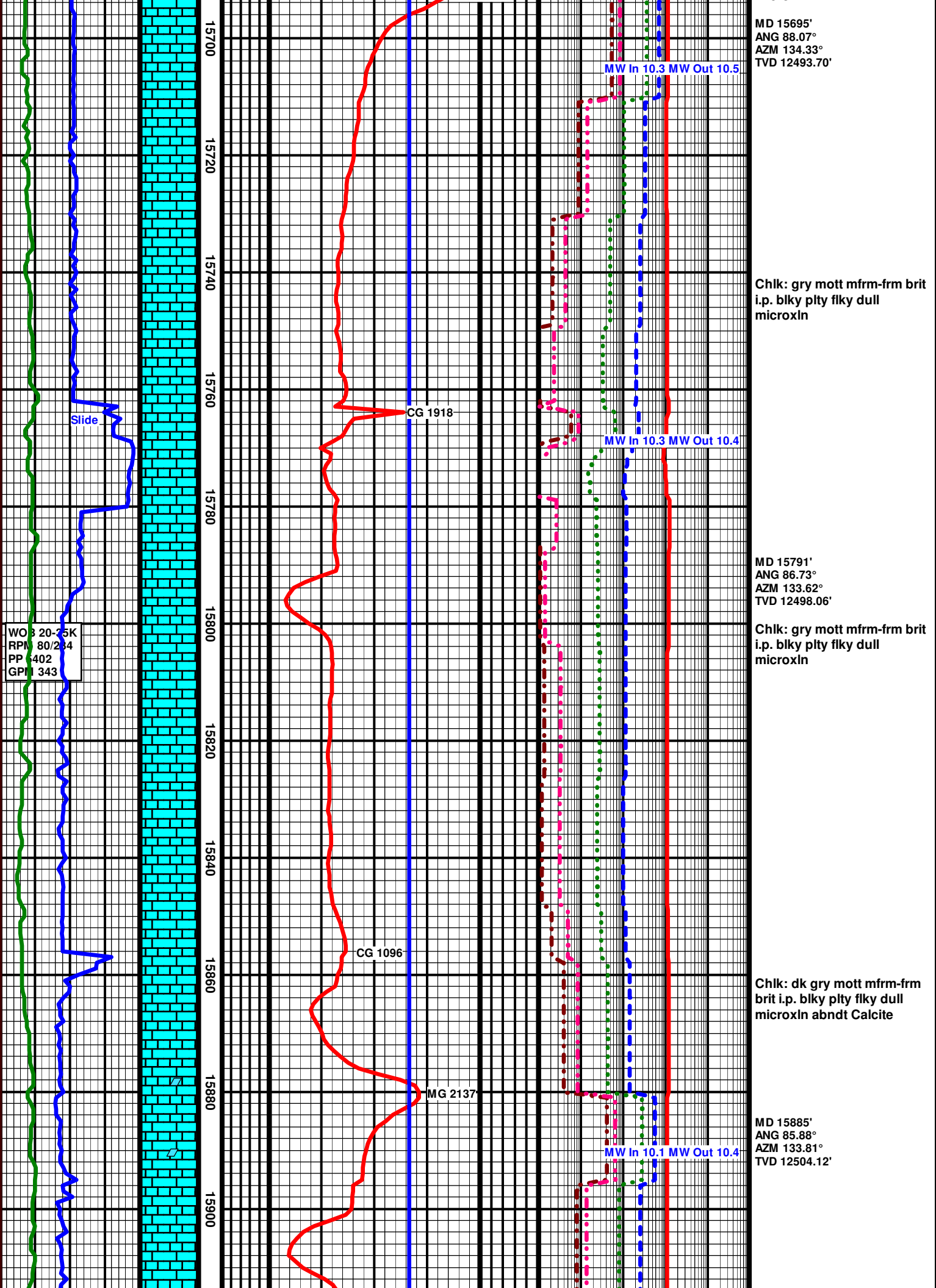
MW In 10.6 MW Out 10.6











MD 15695'
ANG 88.07°
AZM 134.33°
TVD 12493.70'

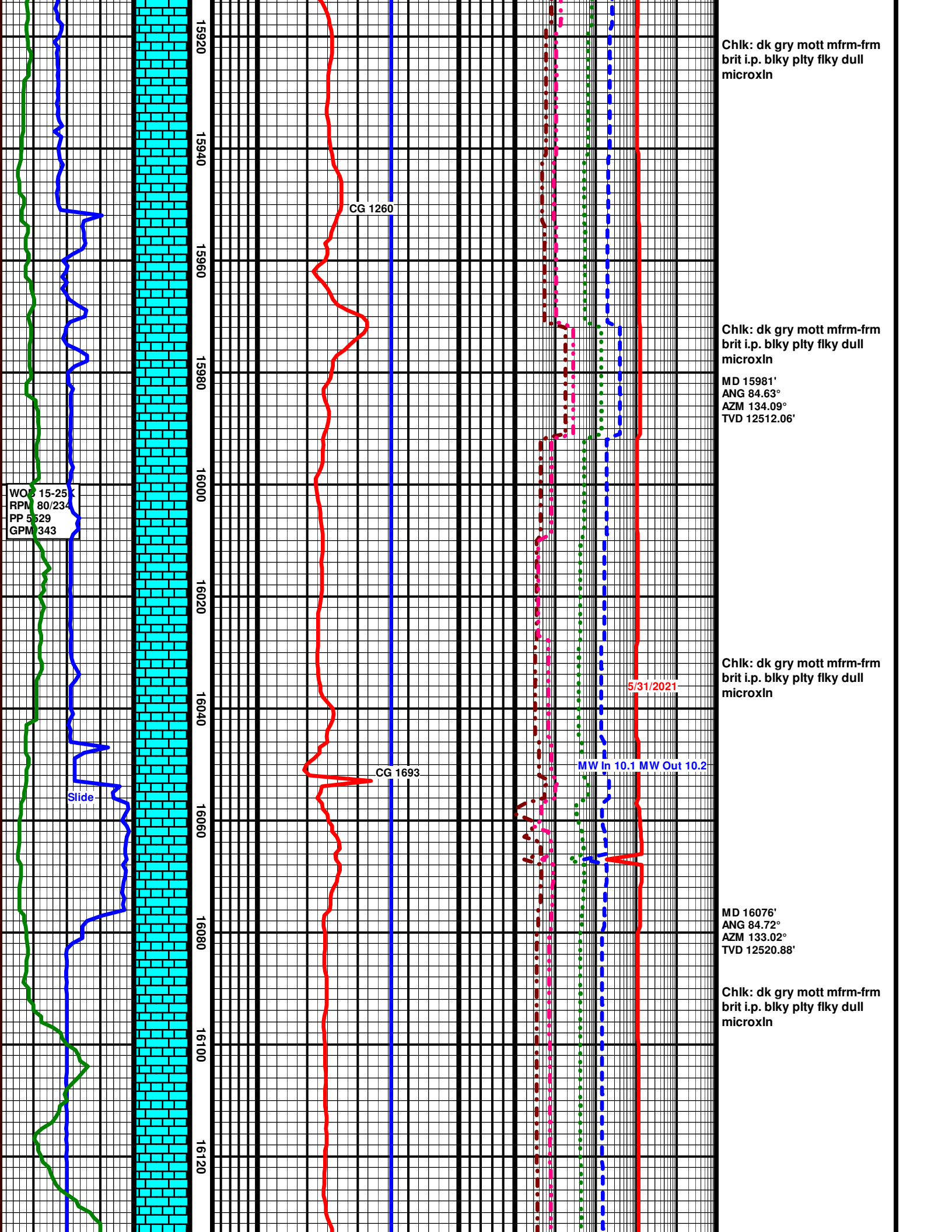
Chlk: gry mott mfrm-frm brit
i.p. blk plty flky dull
microxln

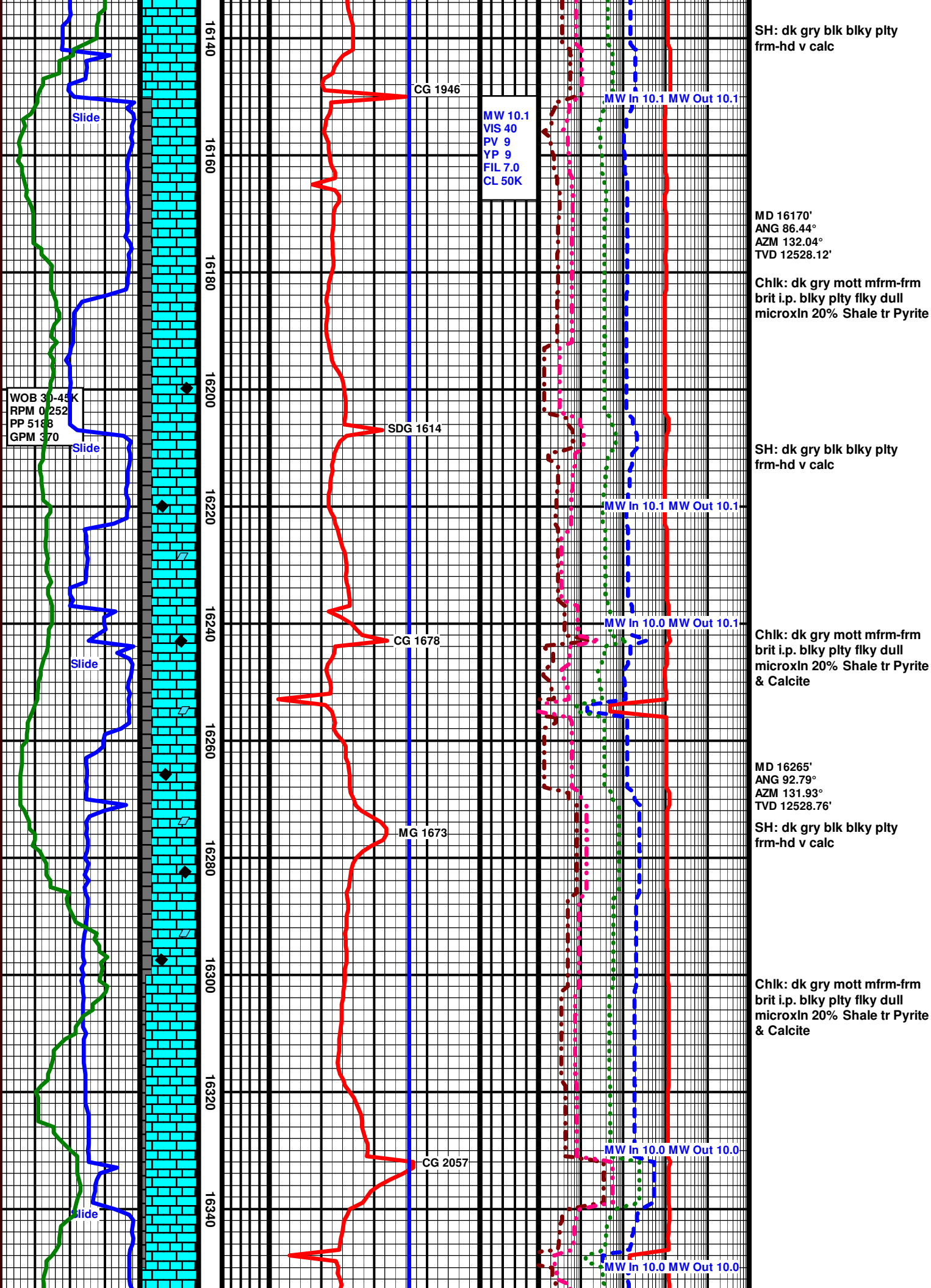
MD 15791'
ANG 86.73°
AZM 133.62°
TVD 12498.06'

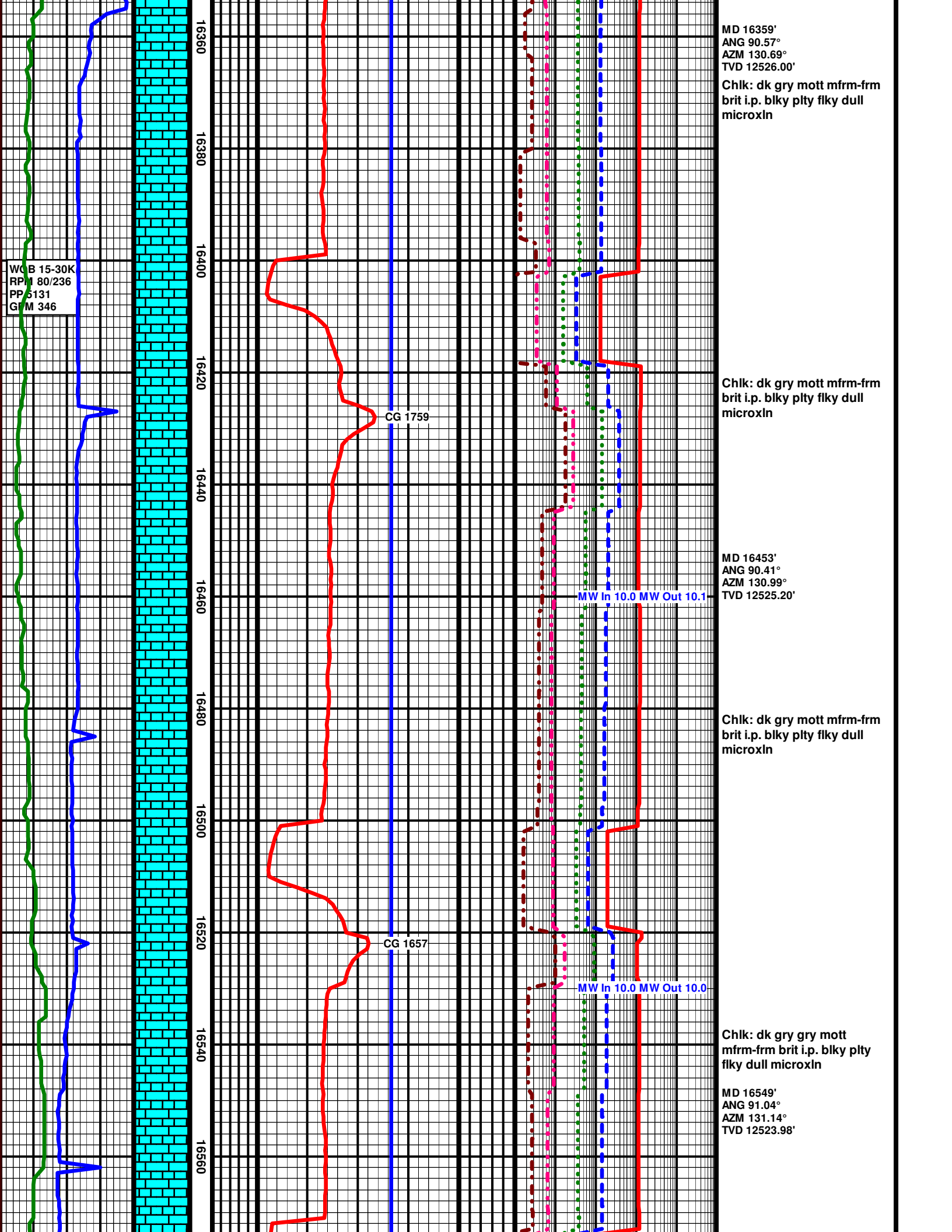
Chlk: gry mott mfrm-frm brit
i.p. blk plty flky dull
microxln

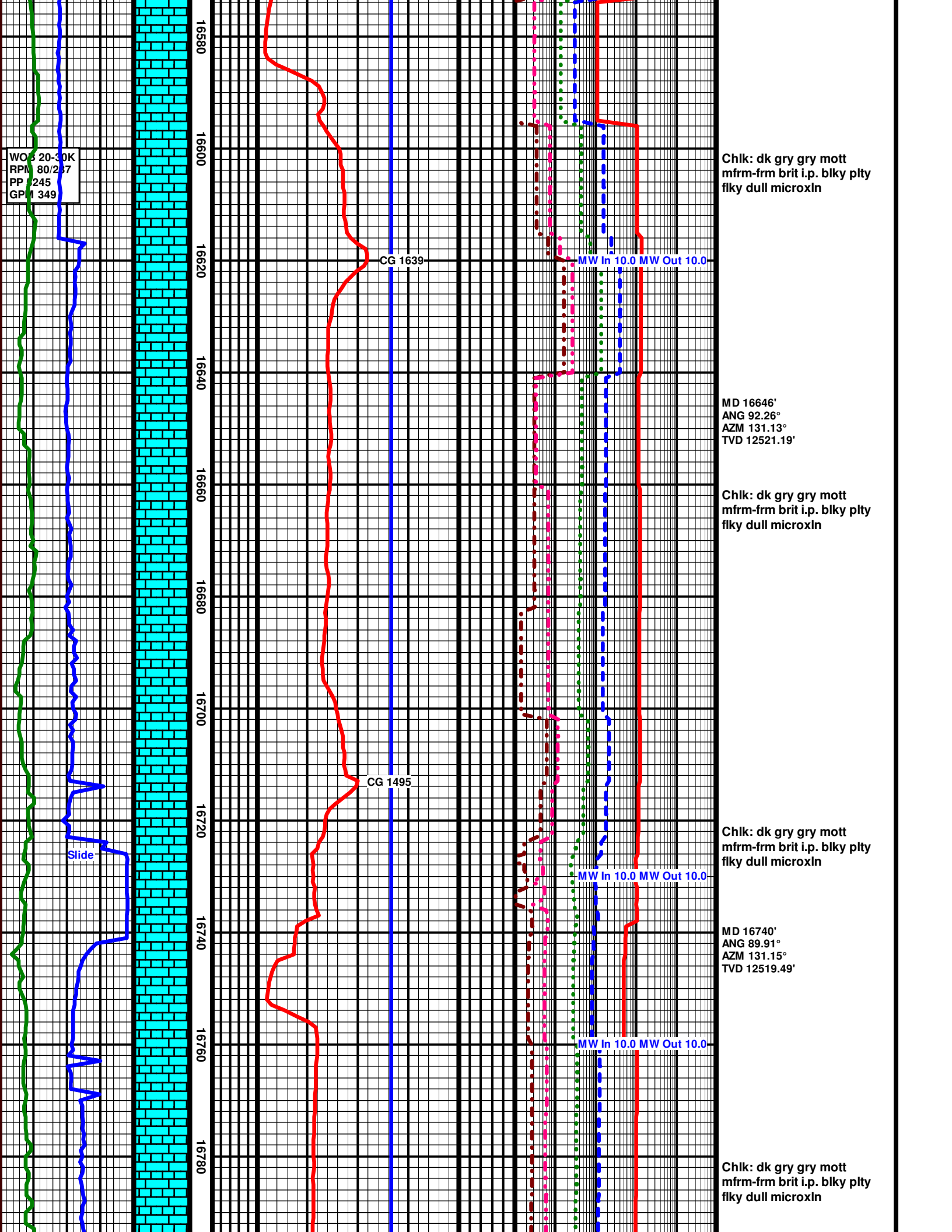
Chlk: dk gry mott mfrm-frm
brit i.p. blk plty flky dull
microxln abndt Calcite

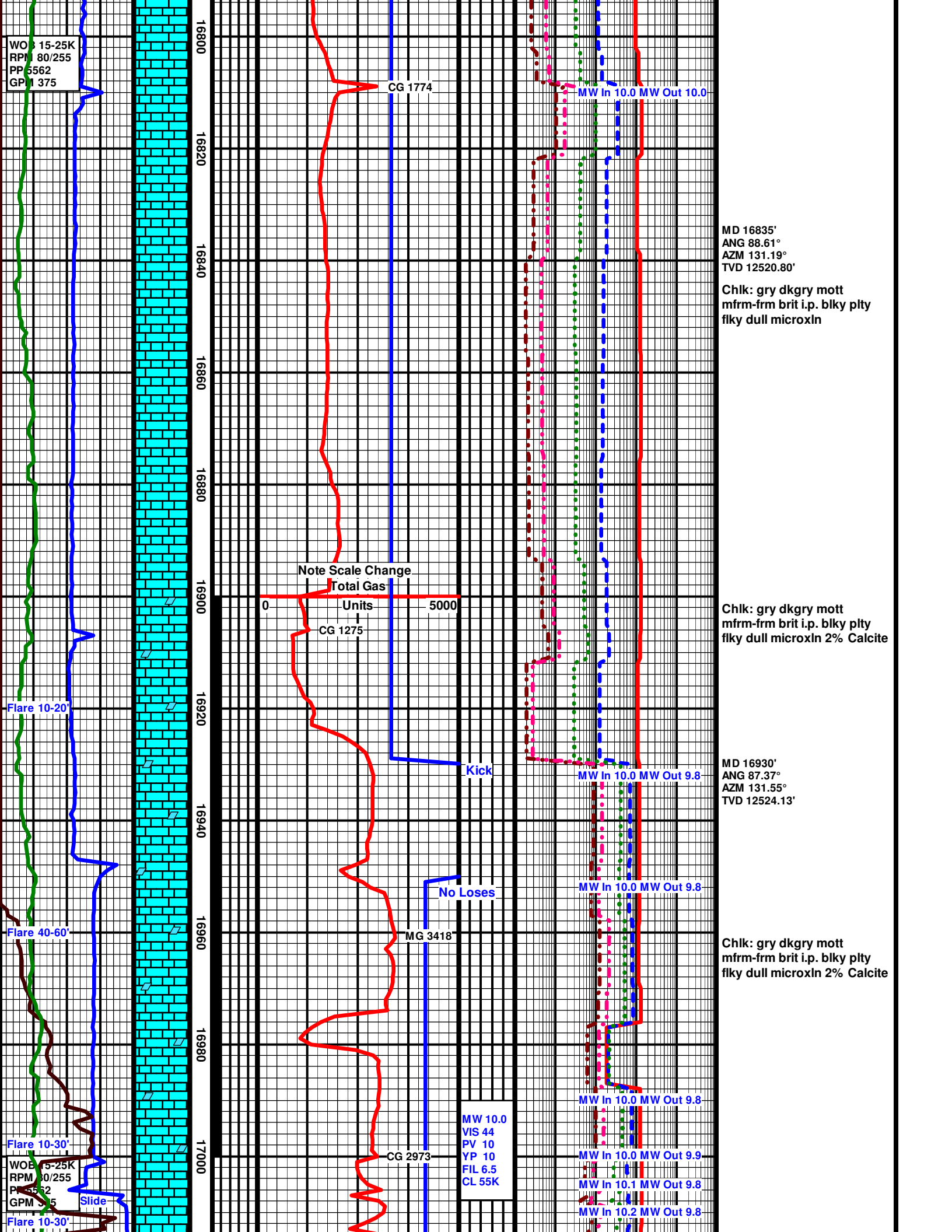
MD 15885'
ANG 85.88°
AZM 133.81°
TVD 12504.12'

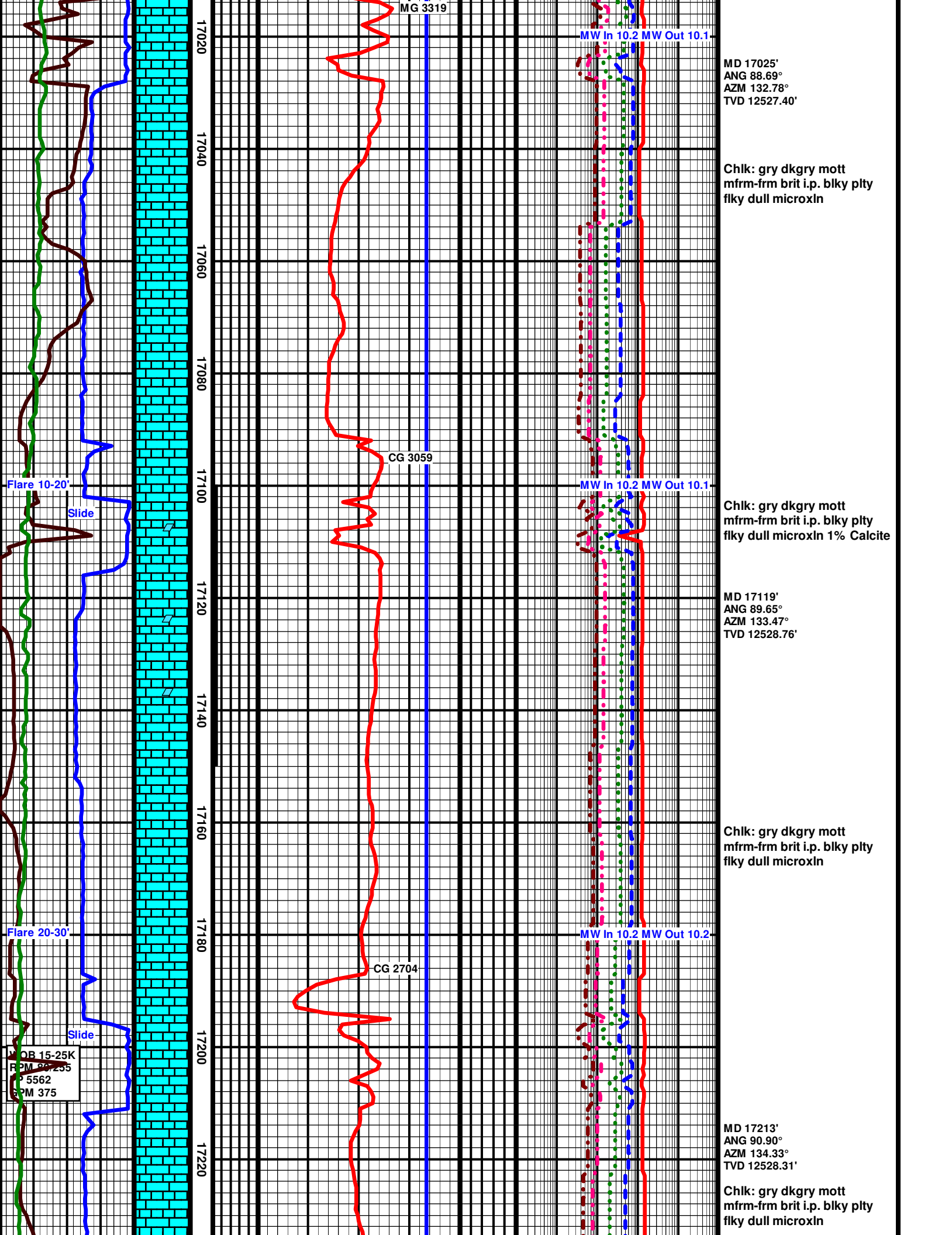


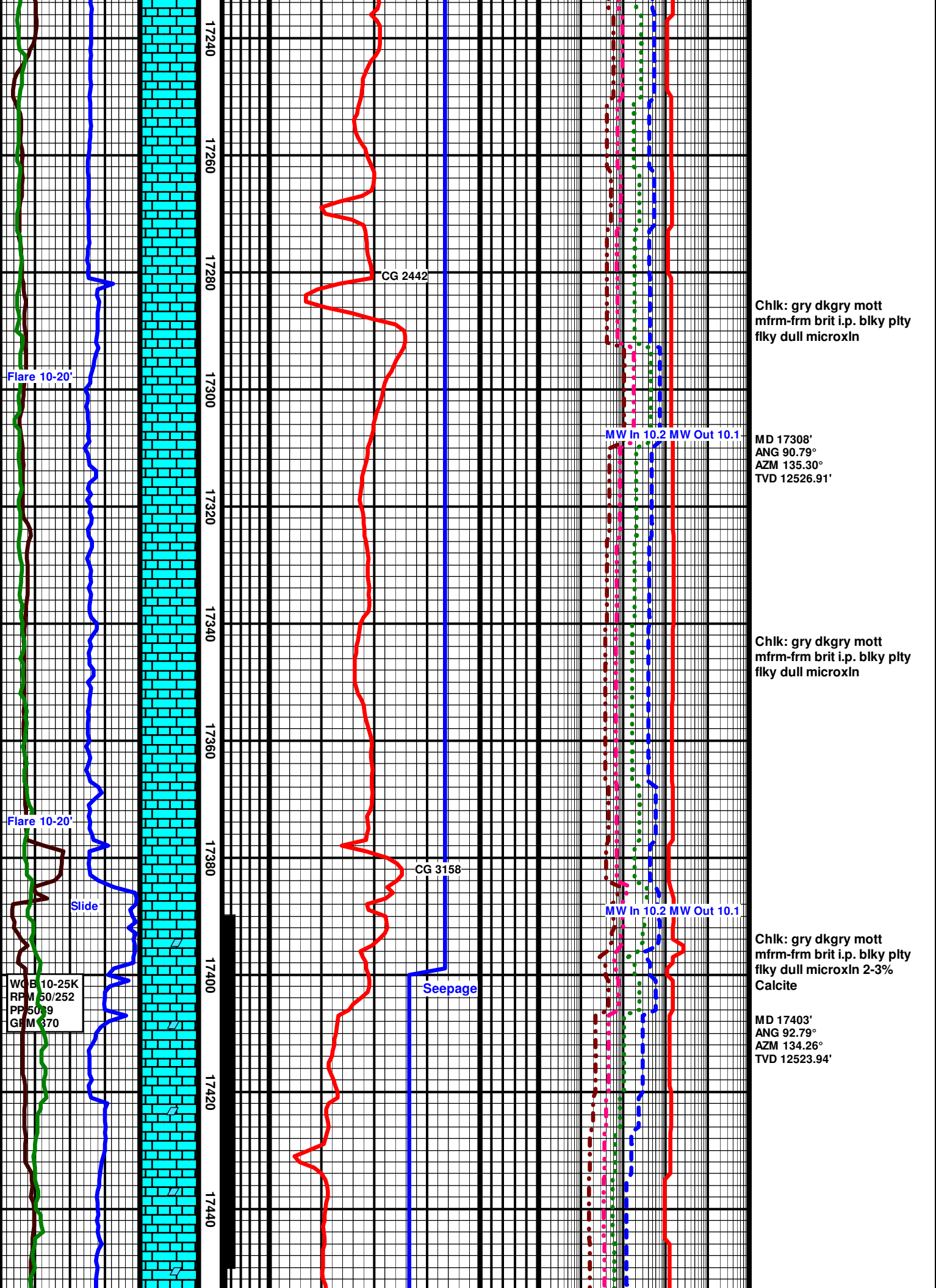


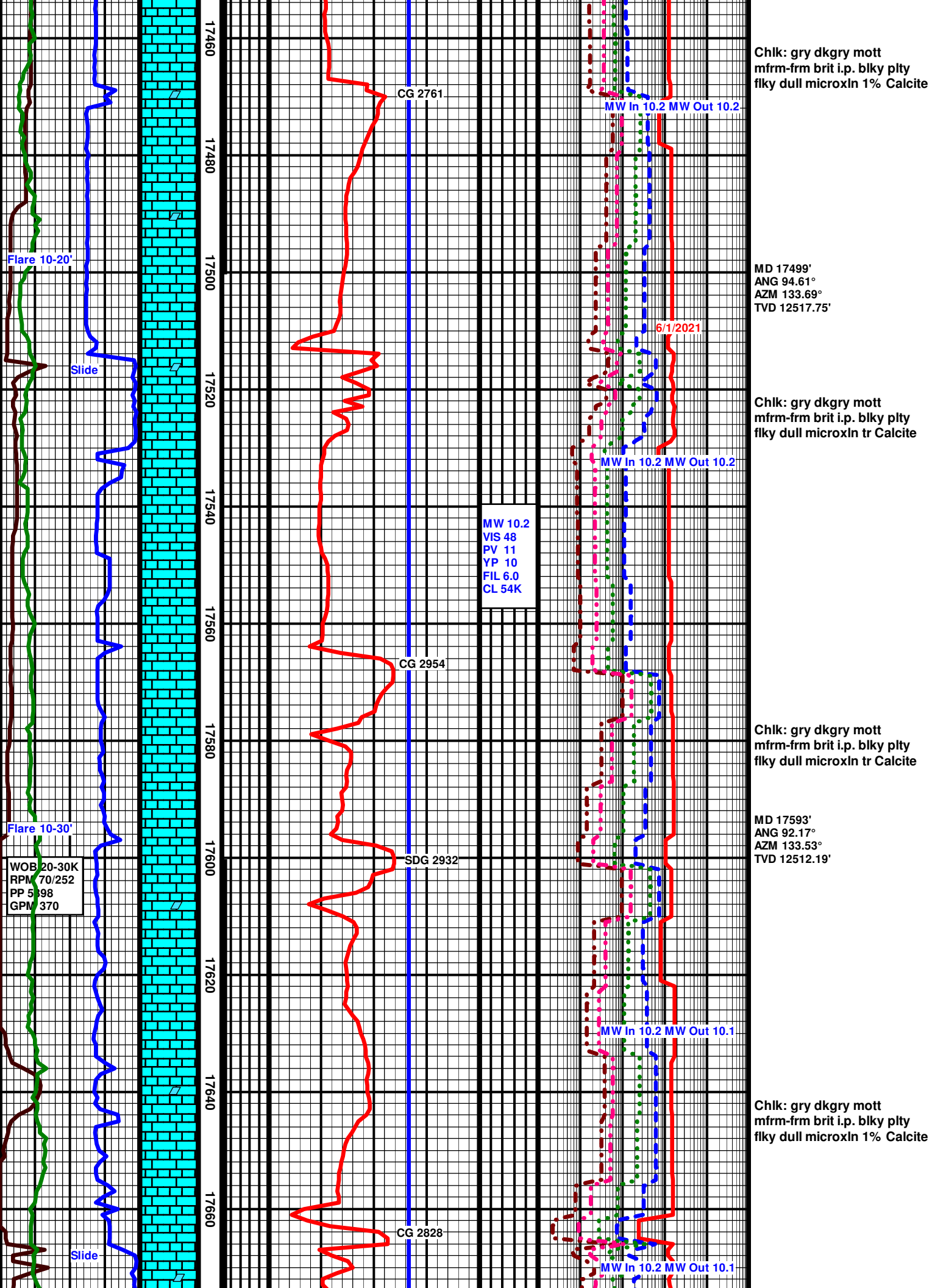


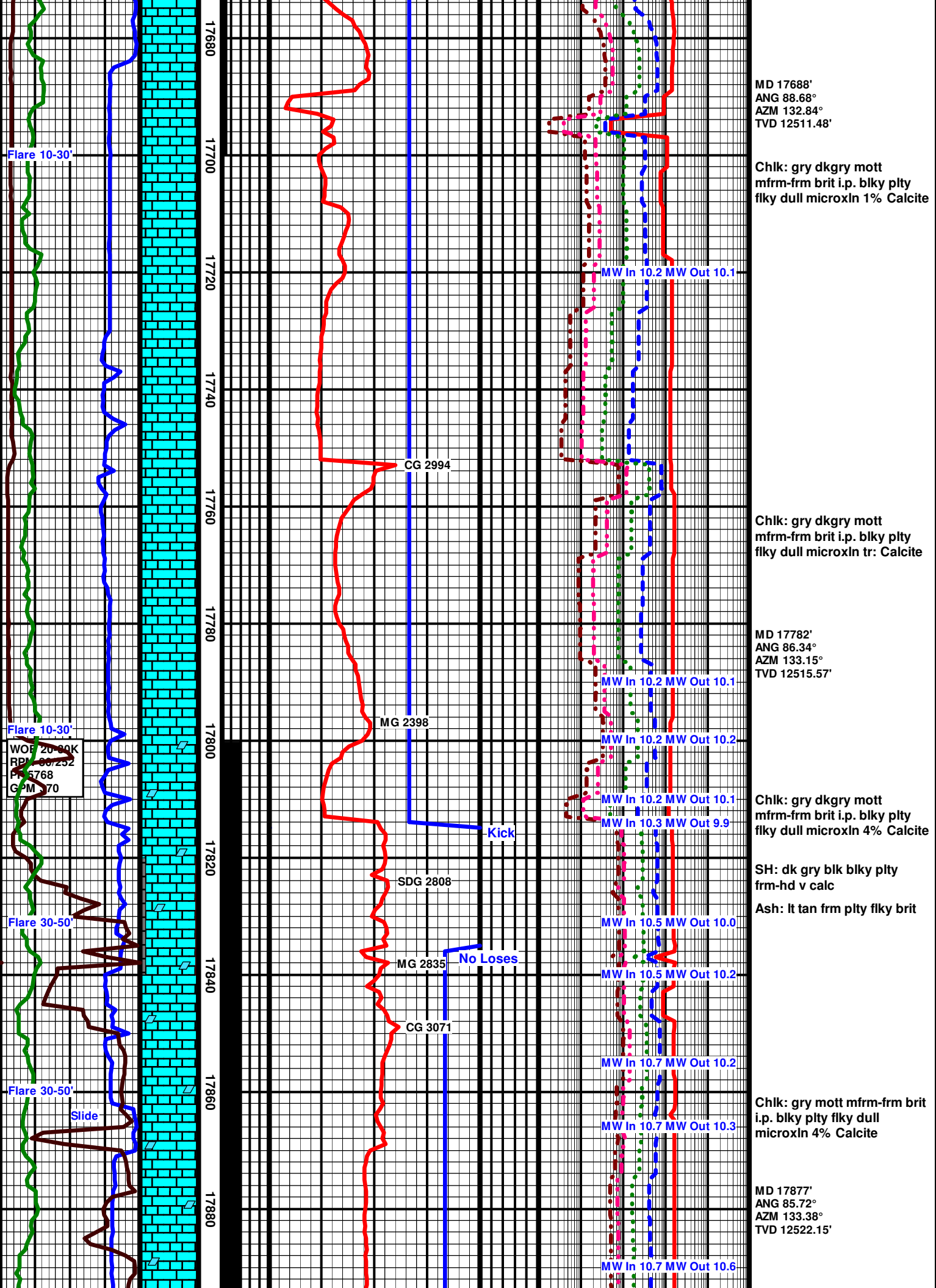


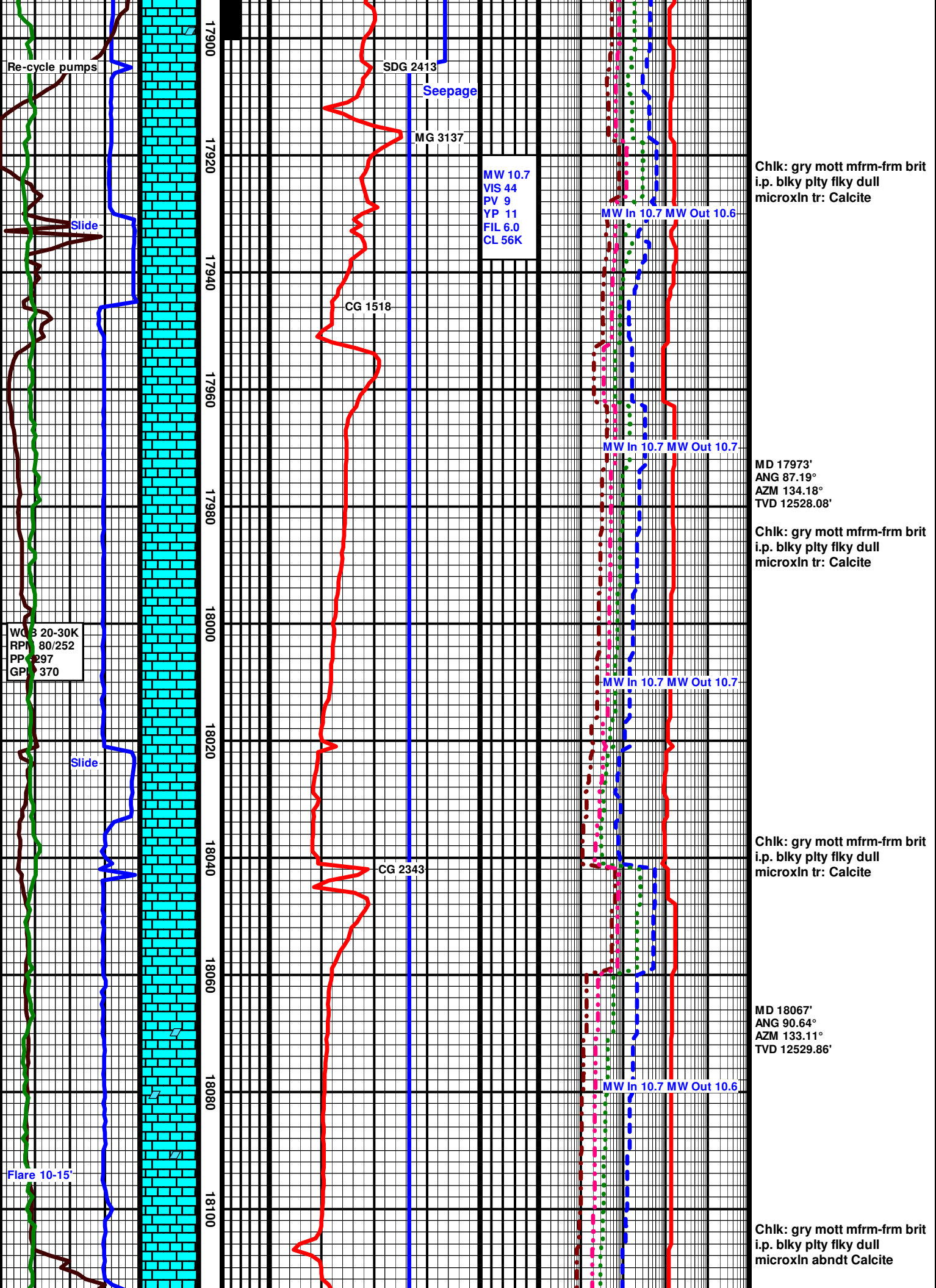


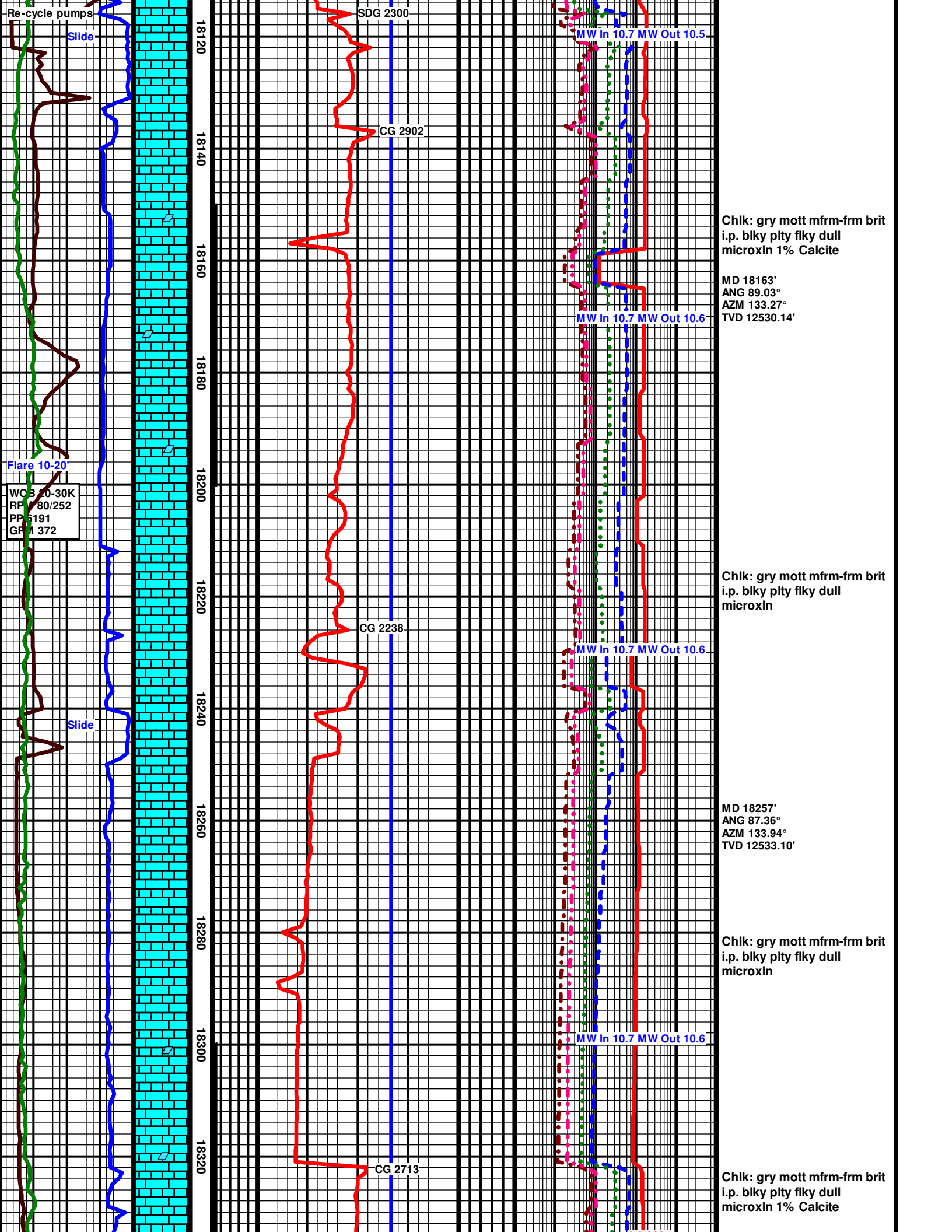


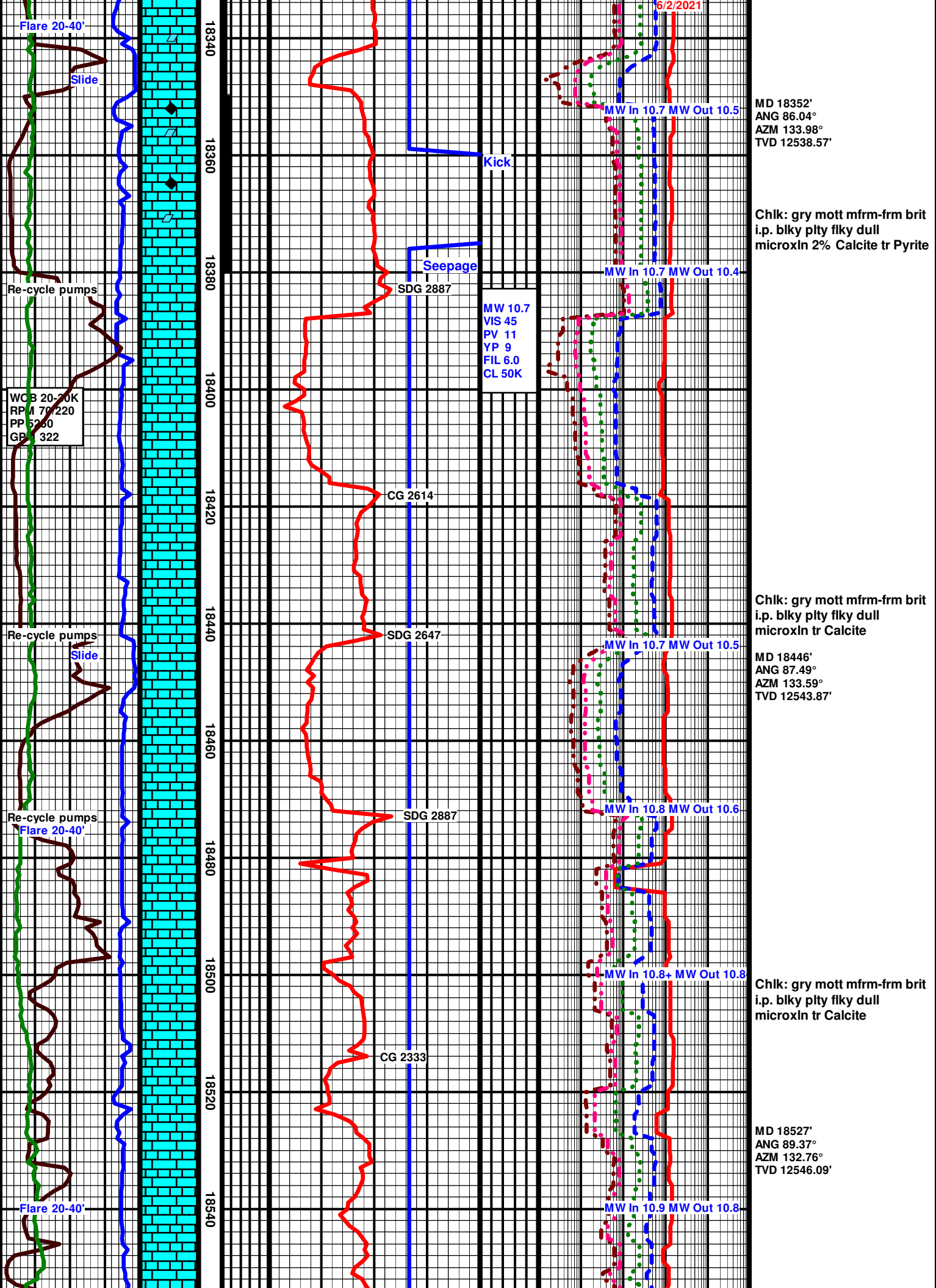


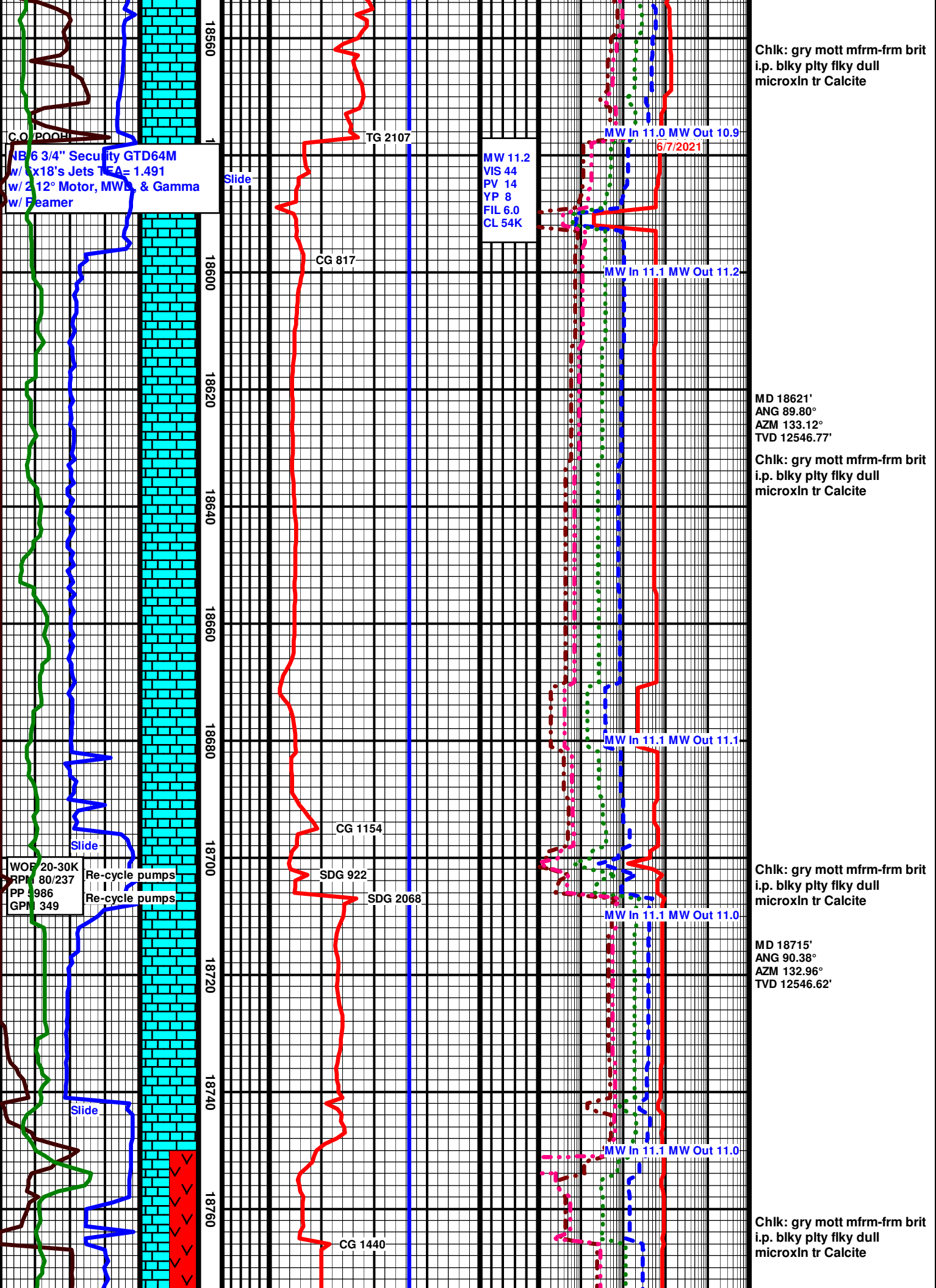












Chlk: gry mott mfrm-firm brit
i.p. blkly plty flky dull
microxln tr Calcite

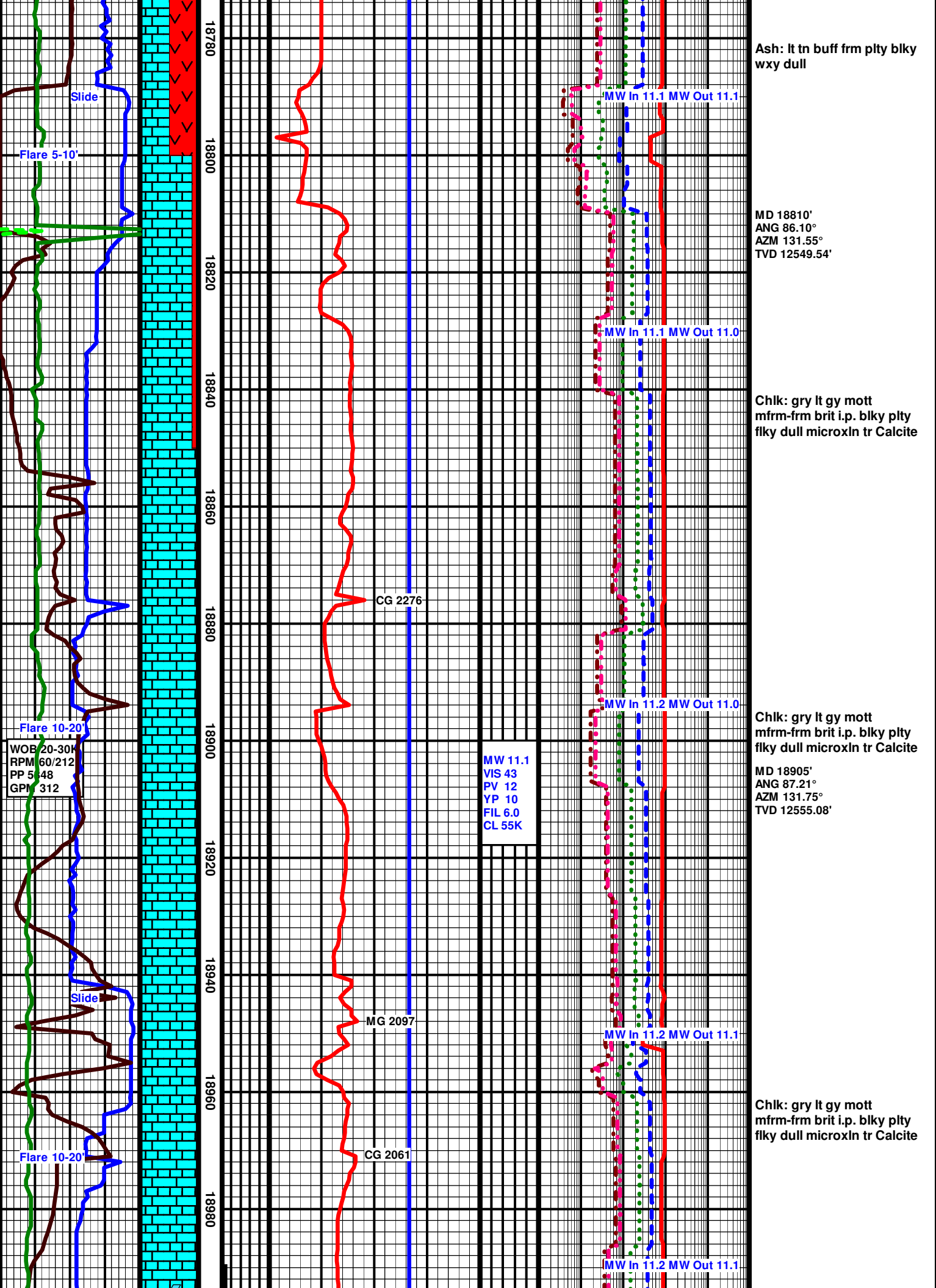
MD 18621'
ANG 89.80°
AZM 133.12°
TVD 12546.77'

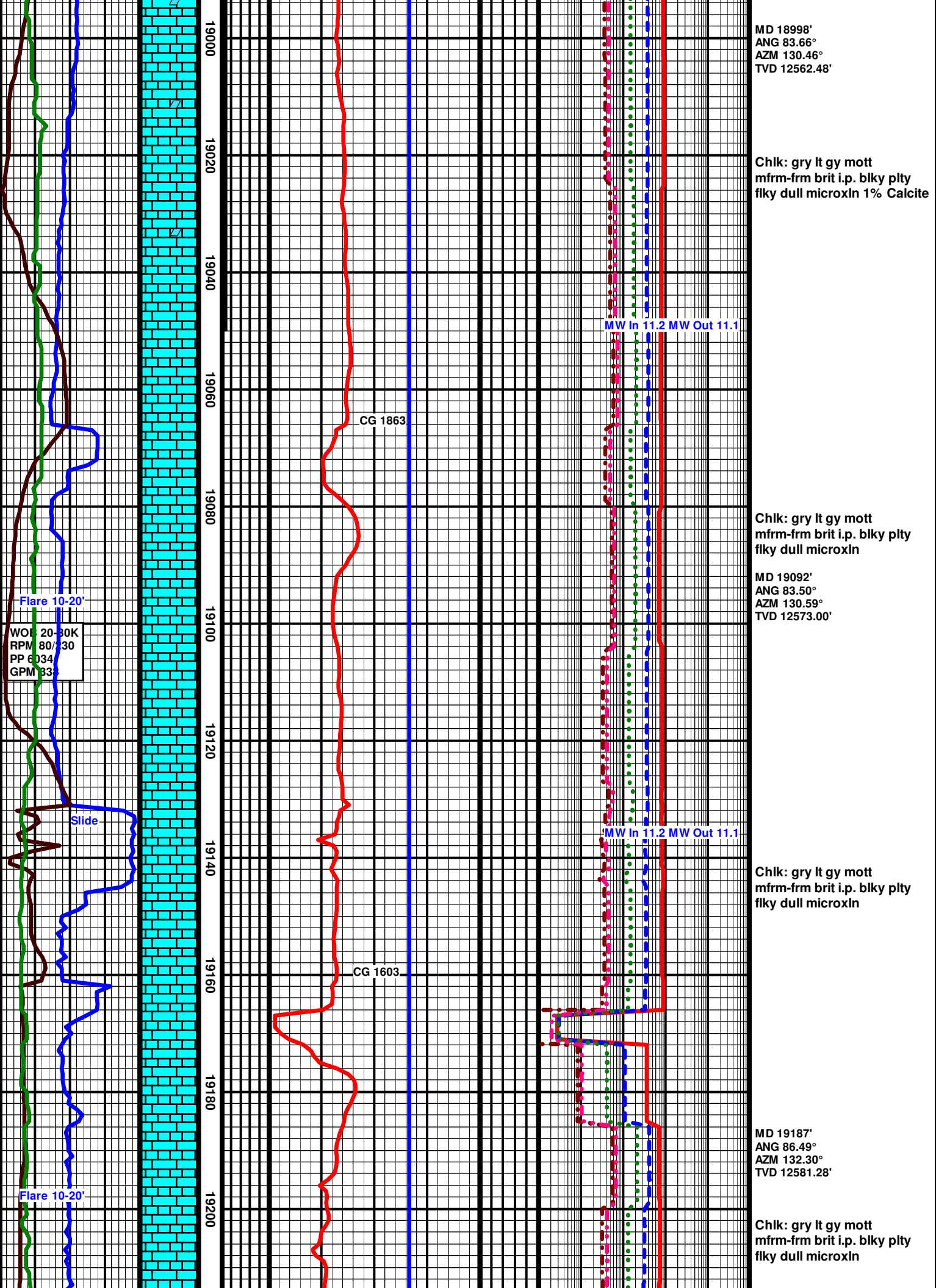
Chlk: gry mott mfrm-firm brit
i.p. blkly plty flky dull
microxln tr Calcite

Chlk: gry mott mfrm-firm brit
i.p. blkly plty flky dull
microxln tr Calcite

MD 18715'
ANG 90.38°
AZM 132.96°
TVD 12546.62'

Chlk: gry mott mfrm-firm brit
i.p. blkly plty flky dull
microxln tr Calcite





MD 18998'
ANG 83.66°
AZM 130.46°
TVD 12562.48'

Chlk: gry lt gy mott
mfrm-frm brit i.p. blkly plty
flky dull microxln 1% Calcite

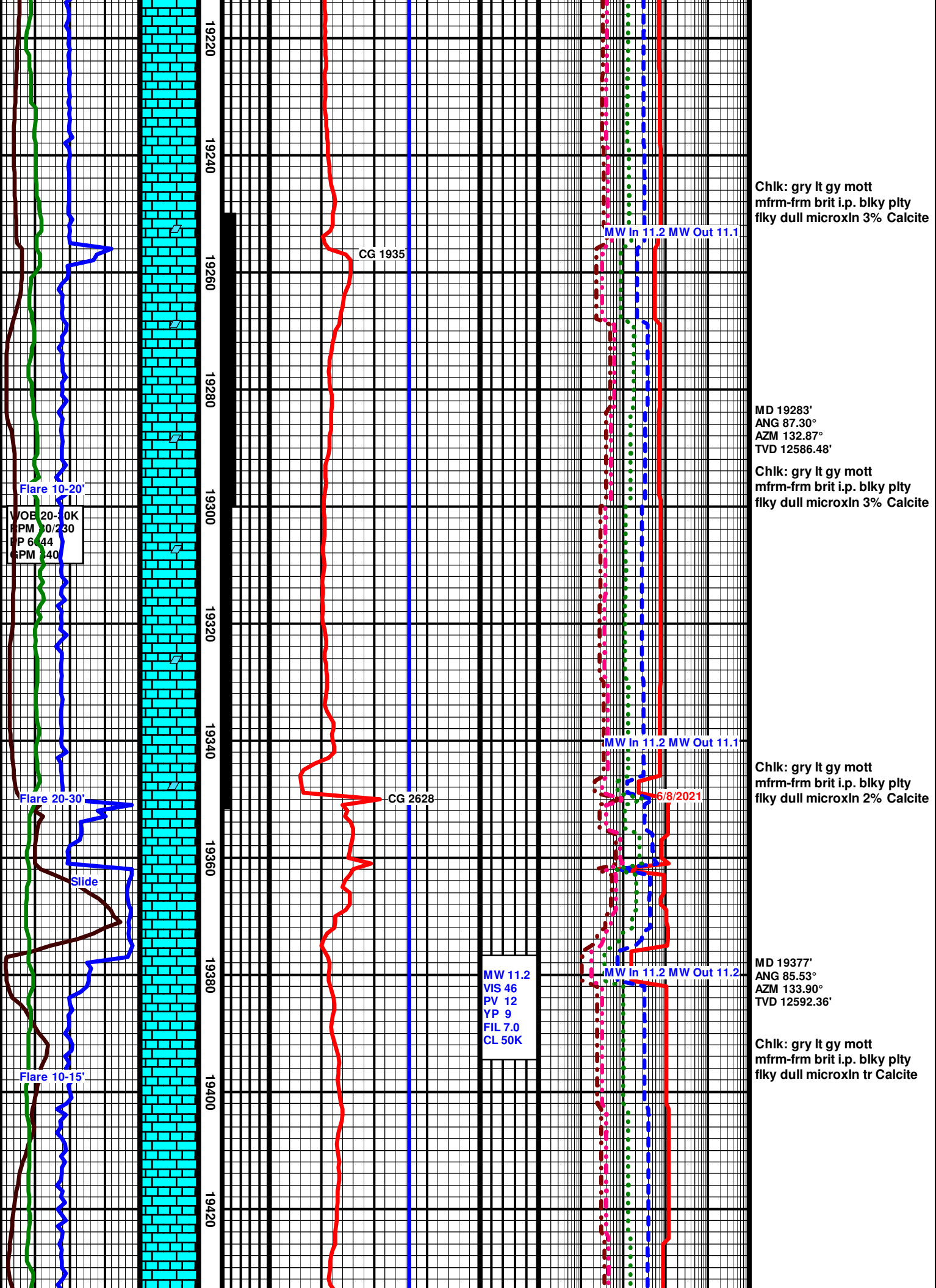
Chlk: gry lt gy mott
mfrm-frm brit i.p. blkly plty
flky dull microxln

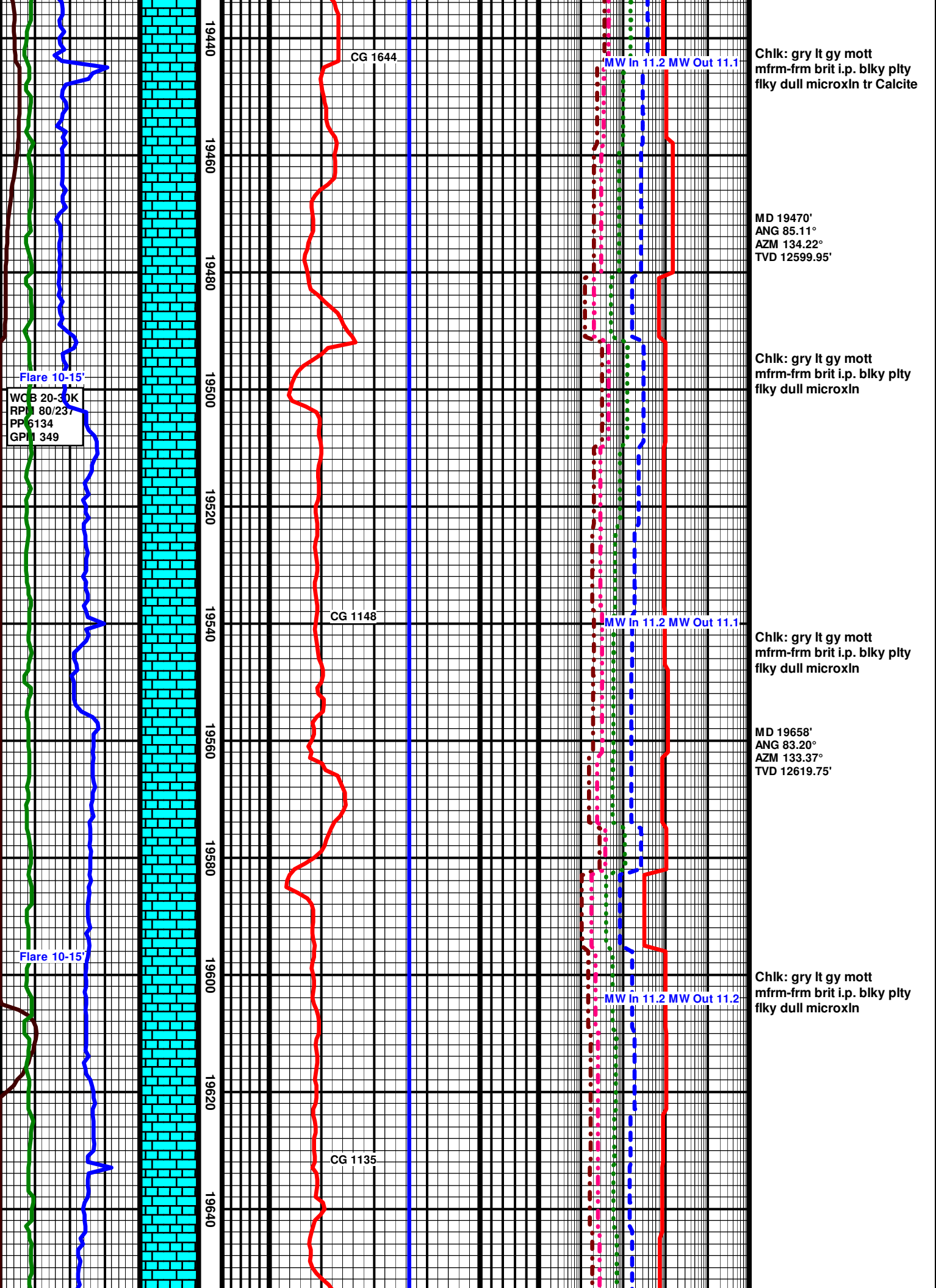
MD 19092'
ANG 83.50°
AZM 130.59°
TVD 12573.00'

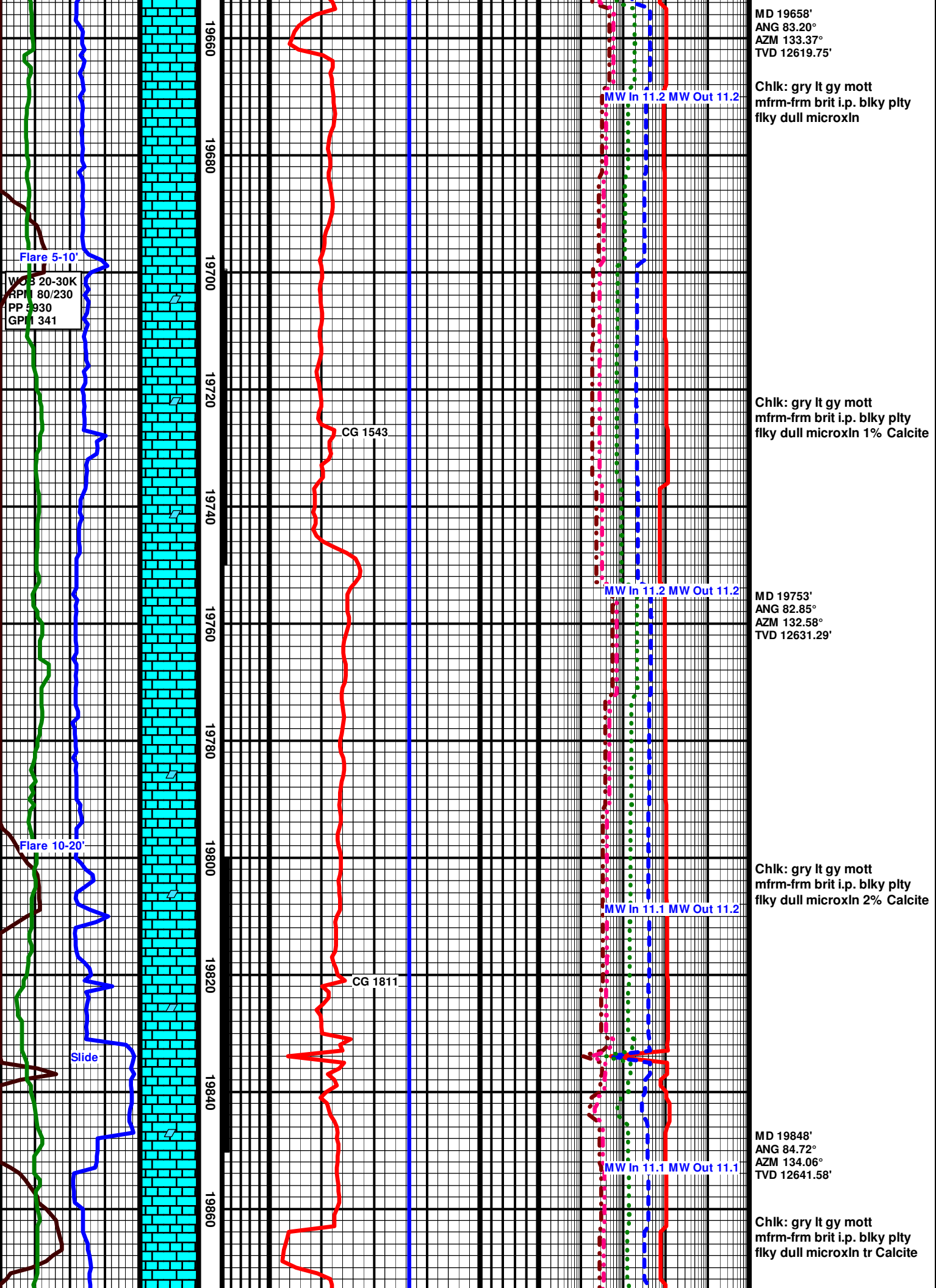
Chlk: gry lt gy mott
mfrm-frm brit i.p. blkly plty
flky dull microxln

MD 19187'
ANG 86.49°
AZM 132.30°
TVD 12581.28'

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







WOB 20-30K
RPM 80/230
PP 5930
GPM 341

Flare 5-10'

Flare 10-20'

Slide

CG 1543

CG 1811

MW In 11.2 MW Out 11.2

MW In 11.2 MW Out 11.2

MW In 11.1 MW Out 11.2

MW In 11.1 MW Out 11.1

