



COMPANY	Magnolia Oil & Gas	RIG	248
CONTRACTOR	Patterson-UTI		
WELL	Levi Goodrich Unit 2 3H		
FIELD	Giddings		
COUNTY	Washington County	STATE	Texas
LAT: 30.2297° LONG: -96.674°		Other Services Five Inch ROP-MD	
API SERIAL NO	SECTION	TOWNSHIP	RANGE
42-477-31135			

Elev. KB 28'

@ 10,245'
















S.F. @

CASING RECORD

[illegible]

LOGGING PERSONNEL L.J. Dufrene, Josh Wilson

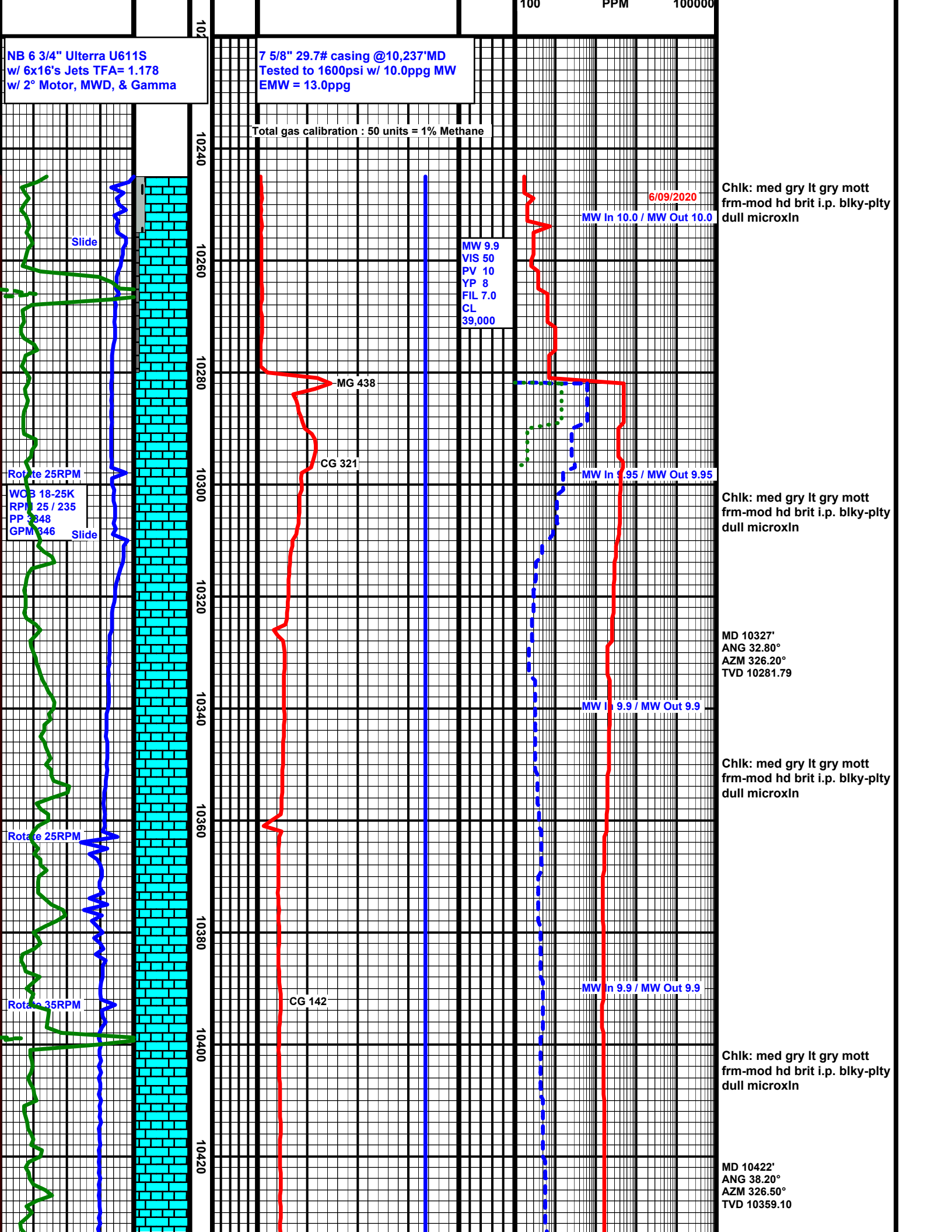
FOLD HERE **THE WELL NAME AND BOREHOLE REFERENCE DATA WERE FURNISHED BY THE CUSTOMER**

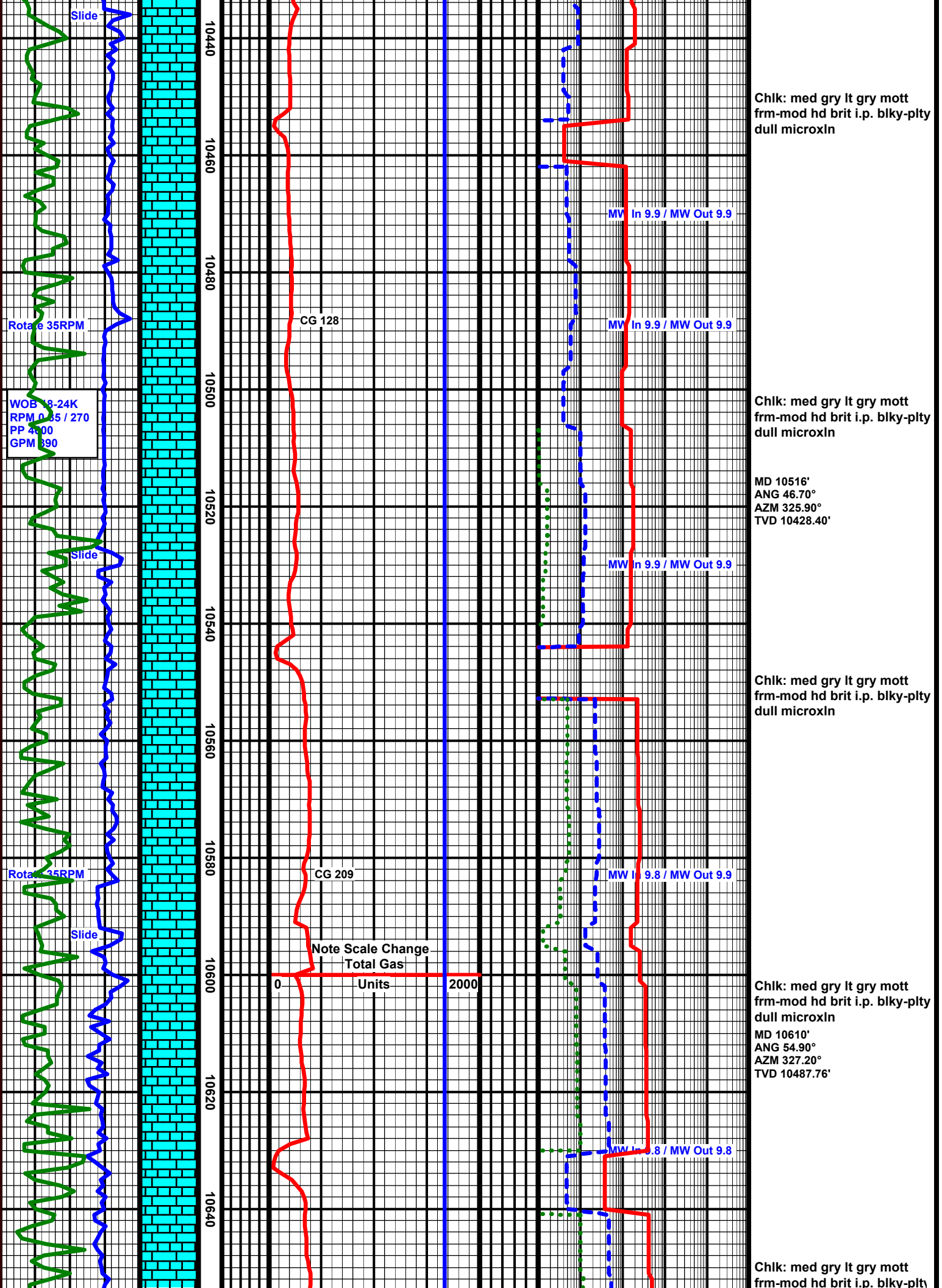
Company	Magnolia Oil & Gas	Shale	Limestone	Anhydrite	Dolomite	No Sample
Well	Levi Goodrich Unit 2 3H					
Location	Washington County	Sandstone	Coal	Ash	Sandy Limestone	Salt - Na
Supervisor	LJ Dufrene					
Unit	LR05	Siltstone	Cement	Chalk	Marl	Salt - K
						

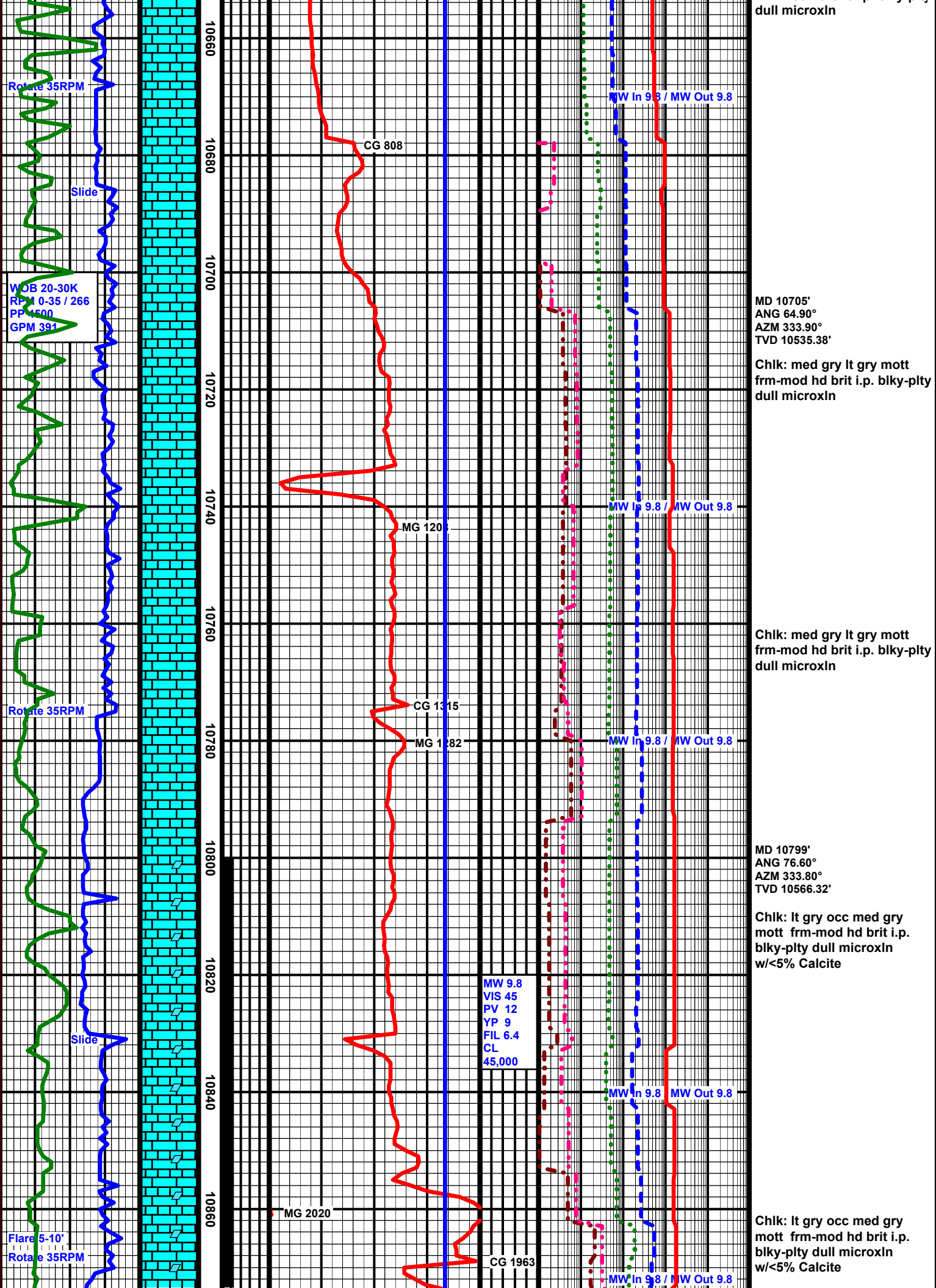
SHOWS HAVE THE FOLLOWING SIGNIFIGANCE

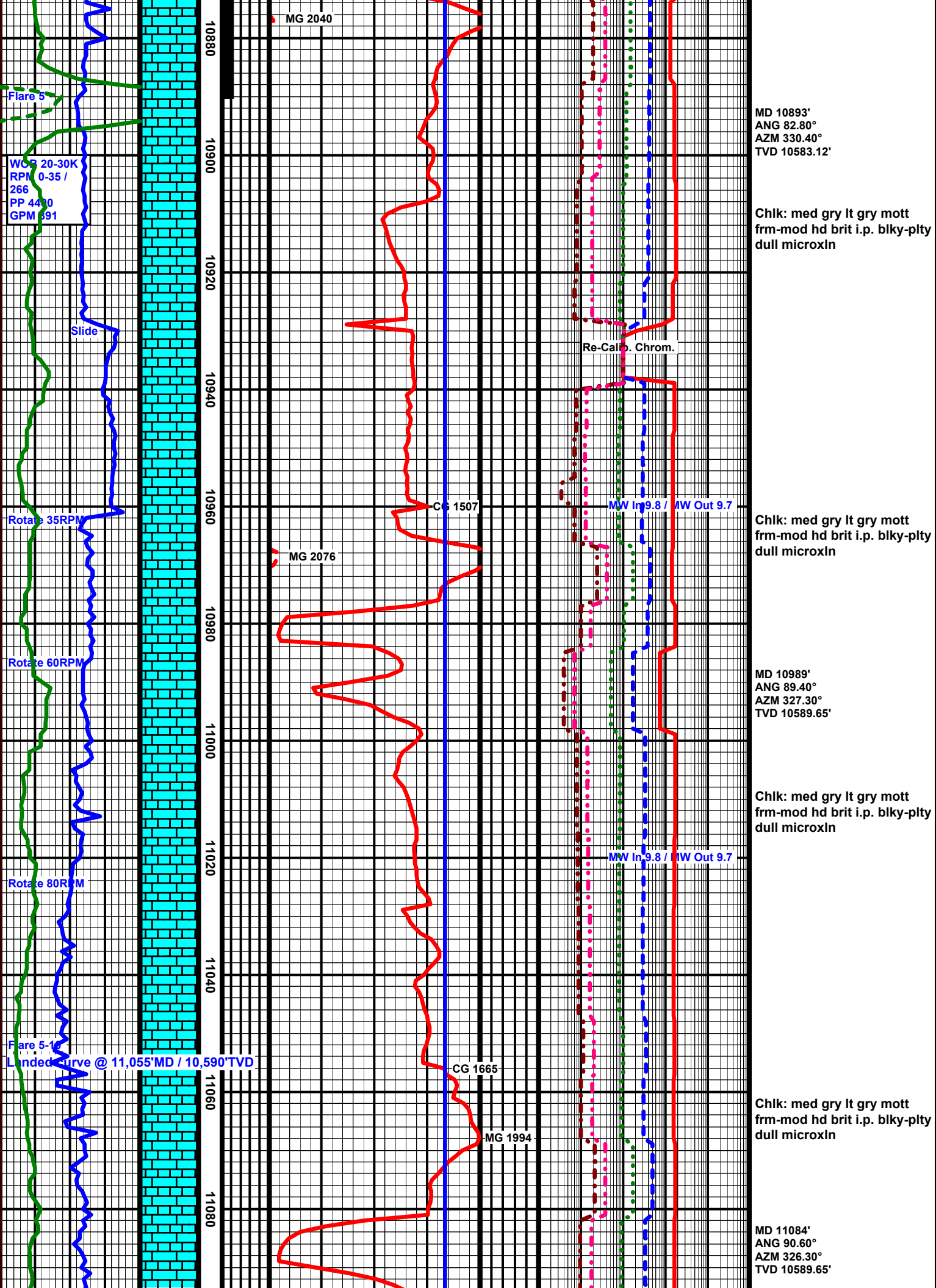
T - TRACE [ZONE OF INTEREST]	NDB - NEW DIAMOND BIT	UDB - USED DIAMOND BIT	CG - CONNECTION GAS
P - POOR SHOW PROBABLY NOT PRODUCTIVE	NB - NEW BIT	CO - CIRCULATING OUT	NR - NO RETURNS
F - FAIR SHOW POSSIBLY PRODUCTIVE	TG - TRIP GAS	LAT - LOGGED AFTER TRIP	DS - DIRECTIONAL SURVEY
G - GOOD SHOW PROBABLY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

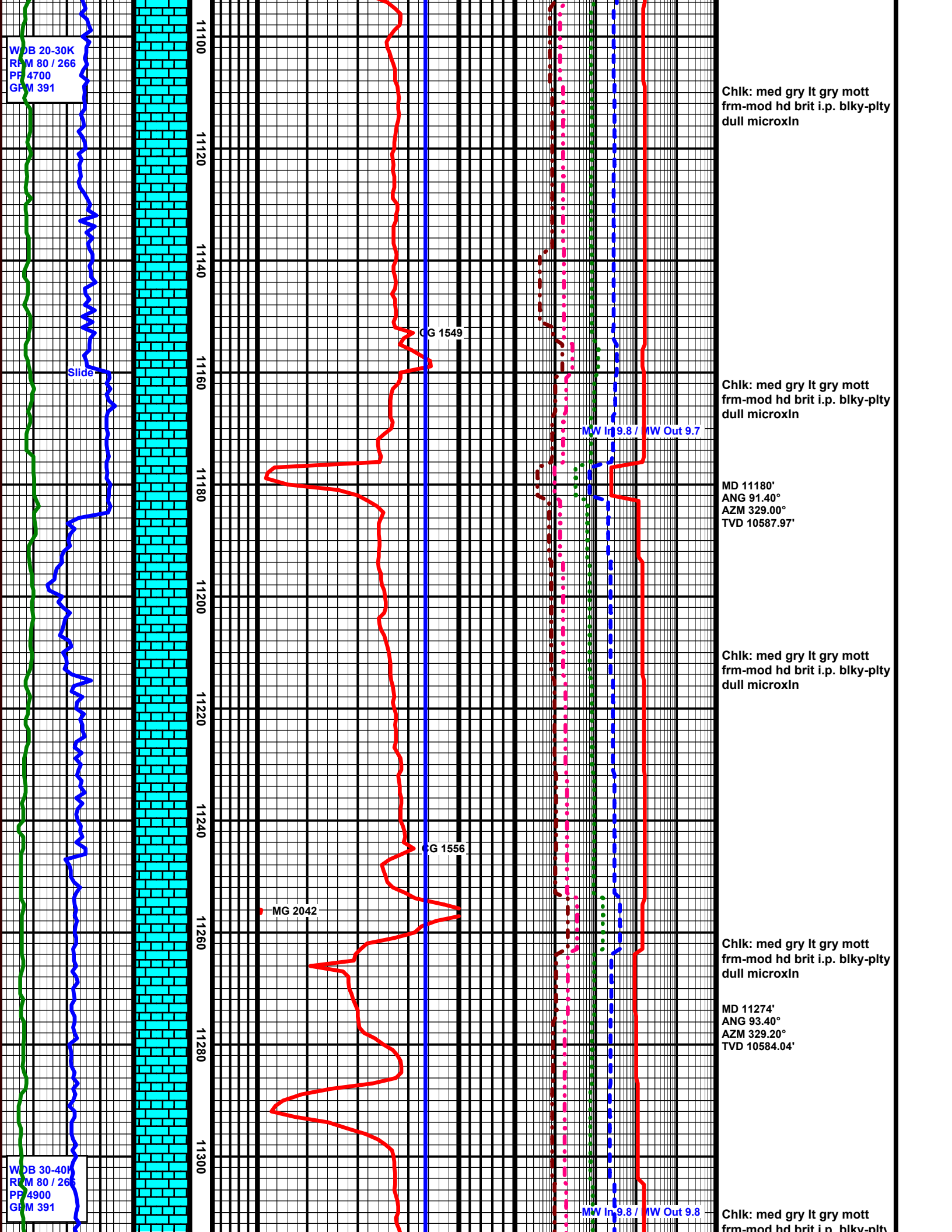
ROP		Lith		Frac.	Gas	Fluor	Chromatograph	Remarks
ROP					Total Gas		Methane	
400	Ft/Hr	0		0	Units	1200	PPM	100000
Casing Press				-5	Kick/Loss	1	Ethane	
0	PSI	1000					PPM	100000
Gamma							Propane	
0	API	150					PPM	100000
							I-Butane	
							PPM	100000
							N-Butane	

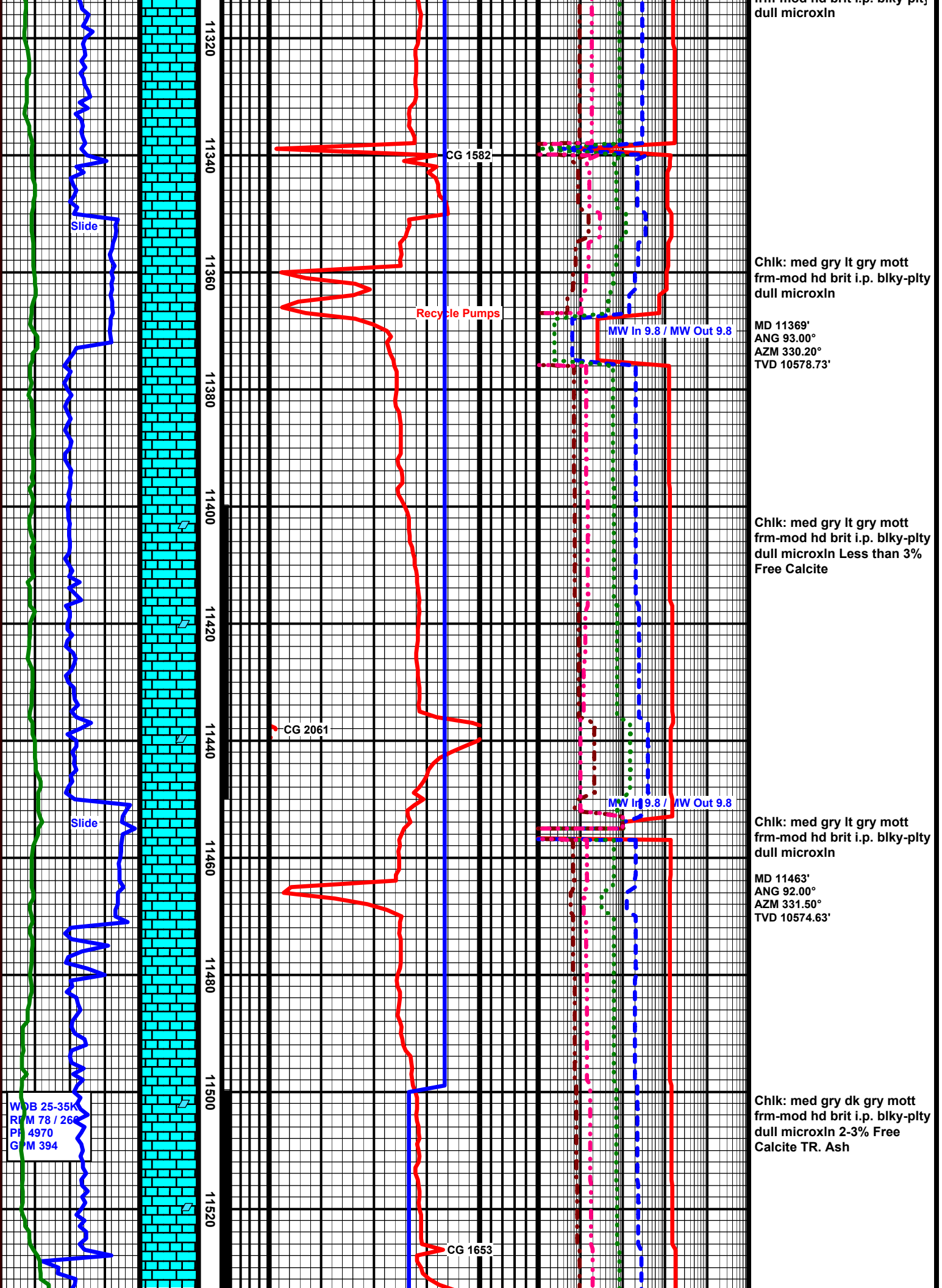


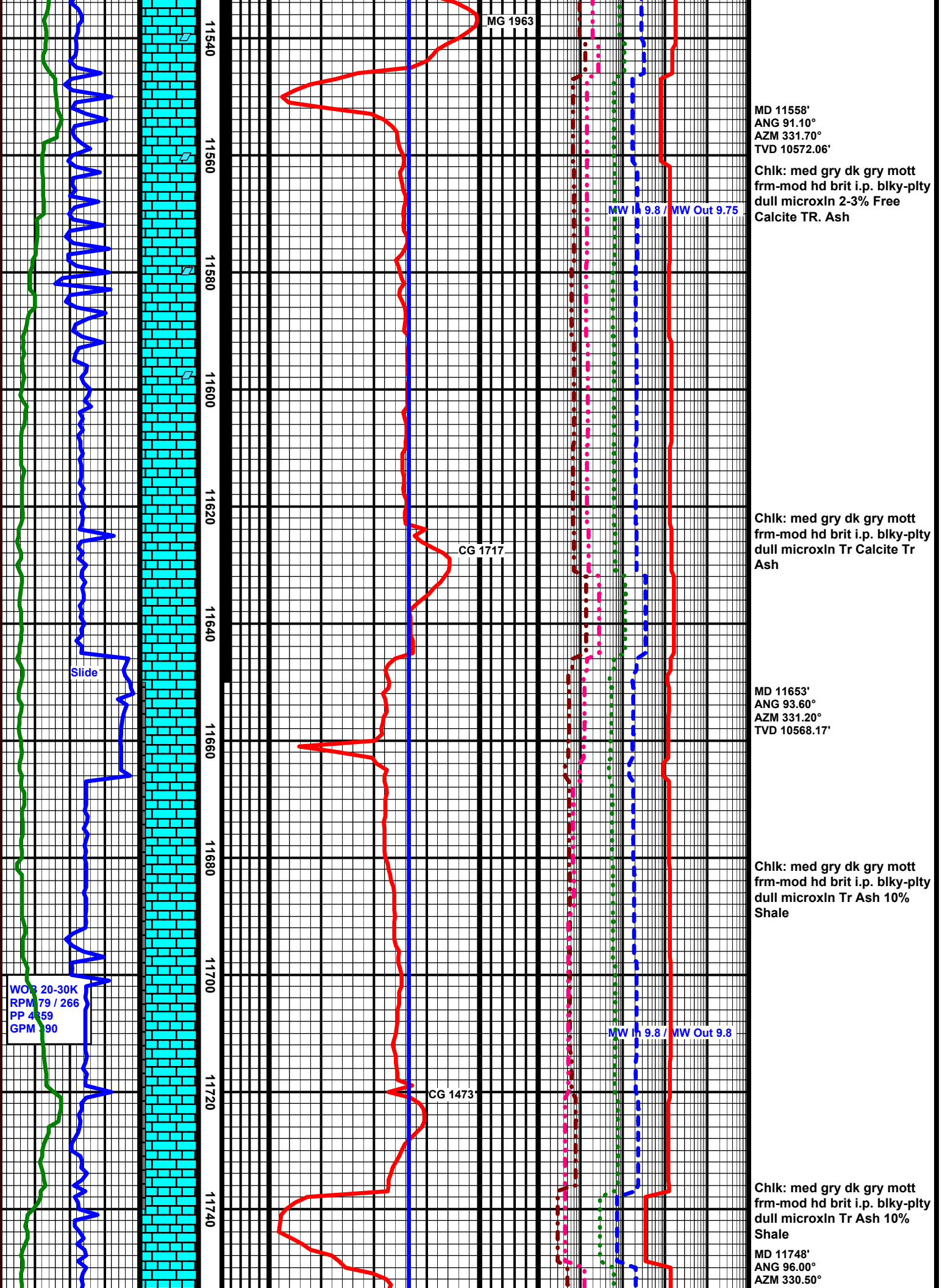


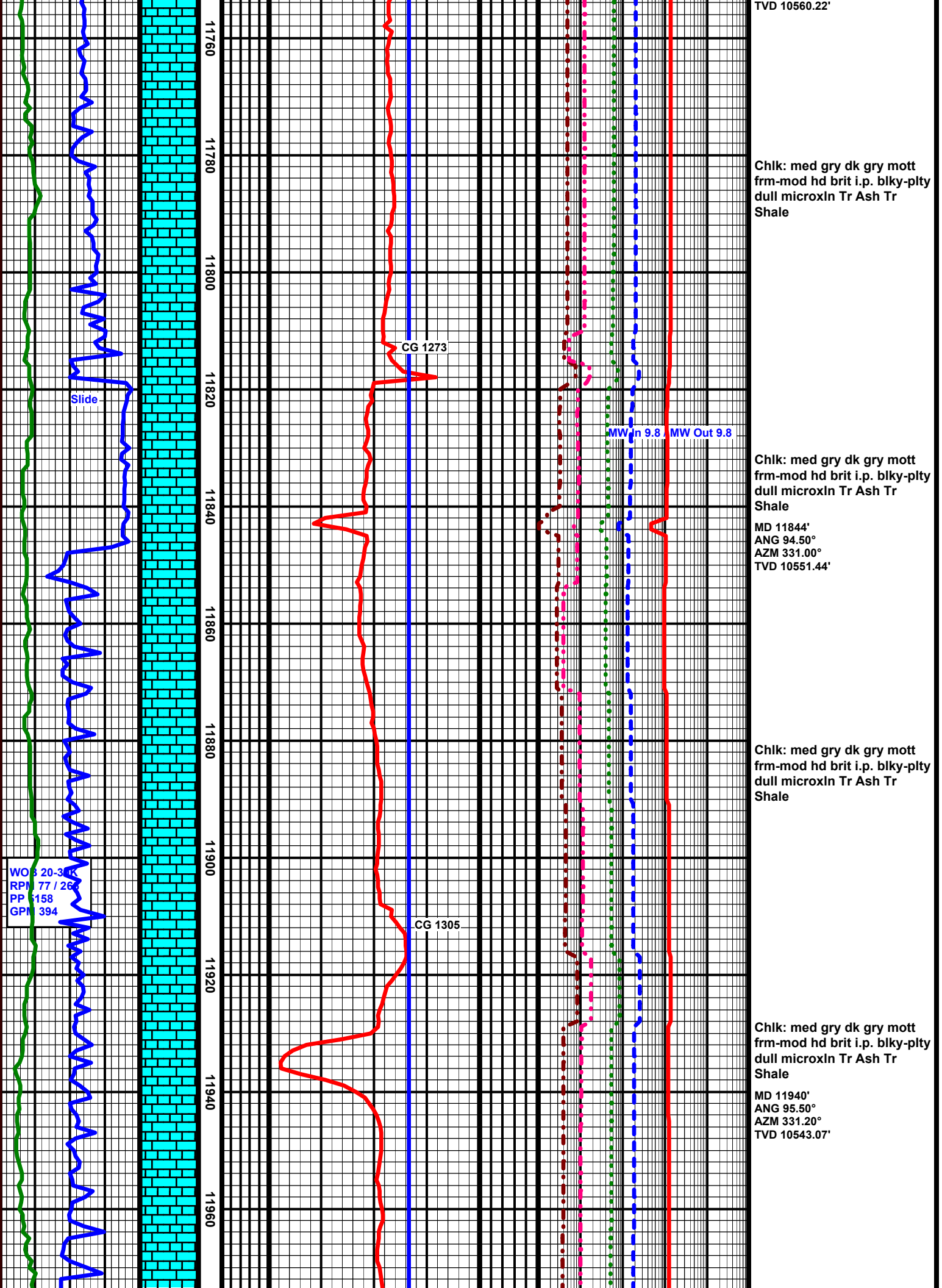


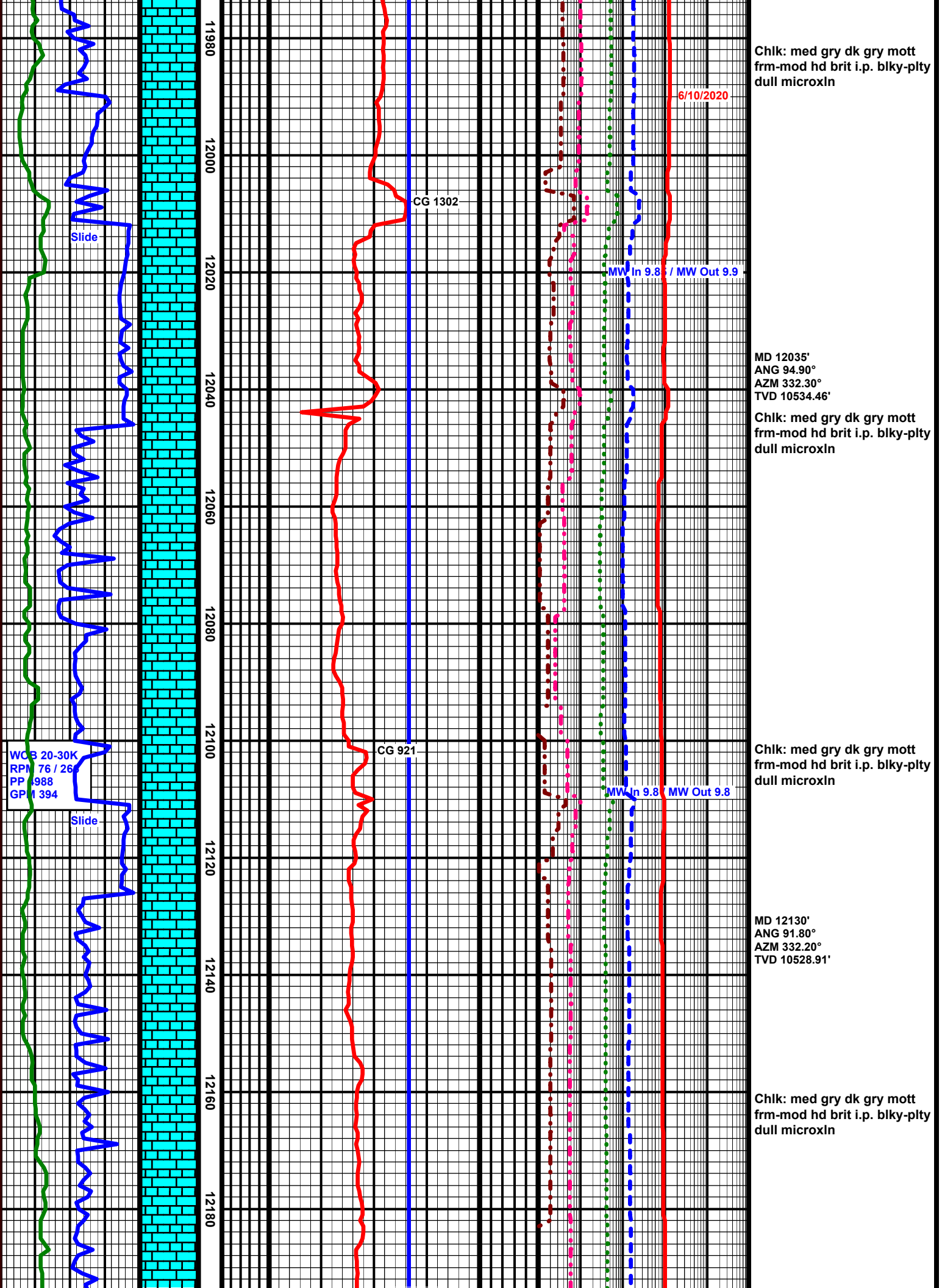


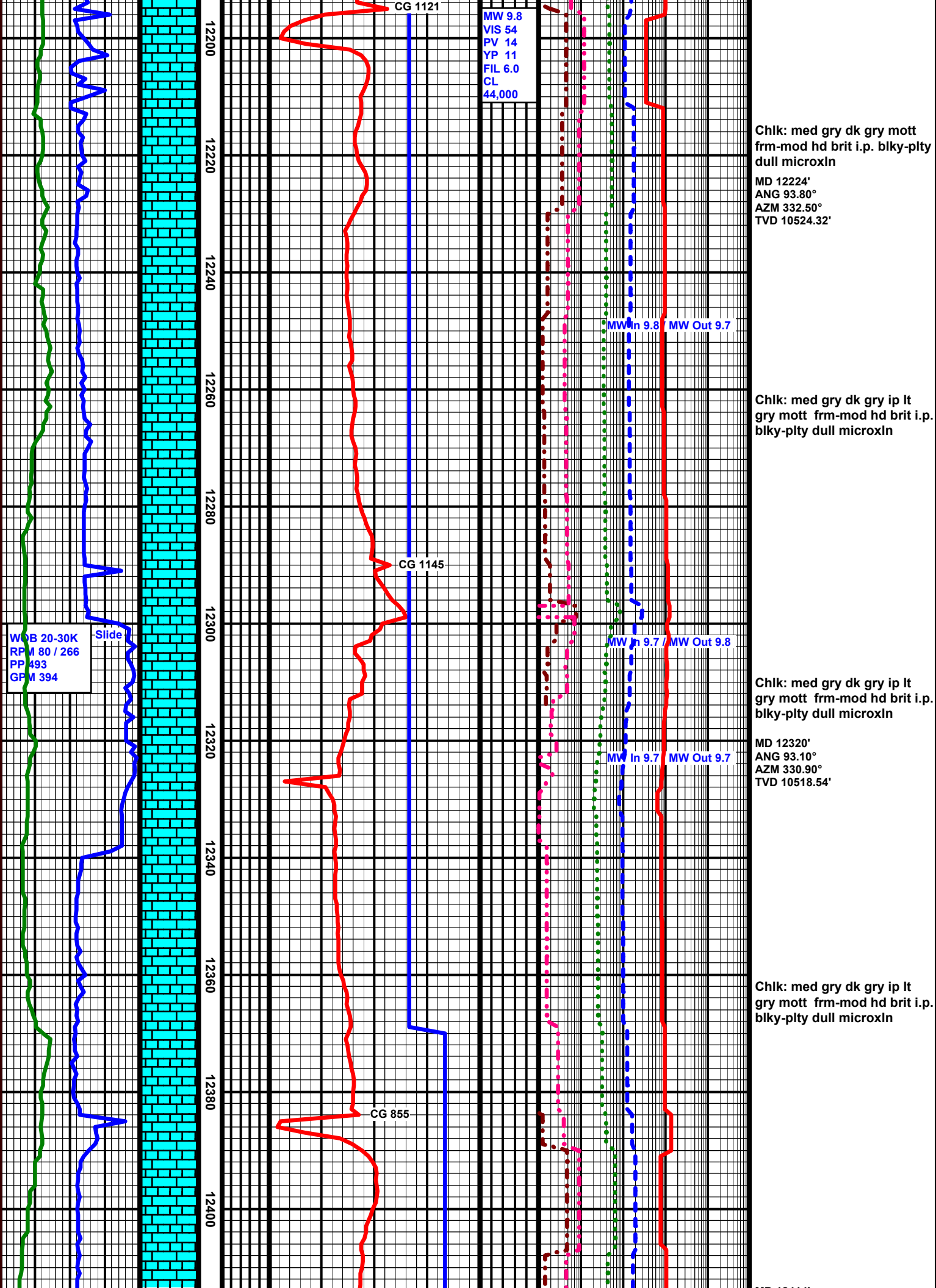


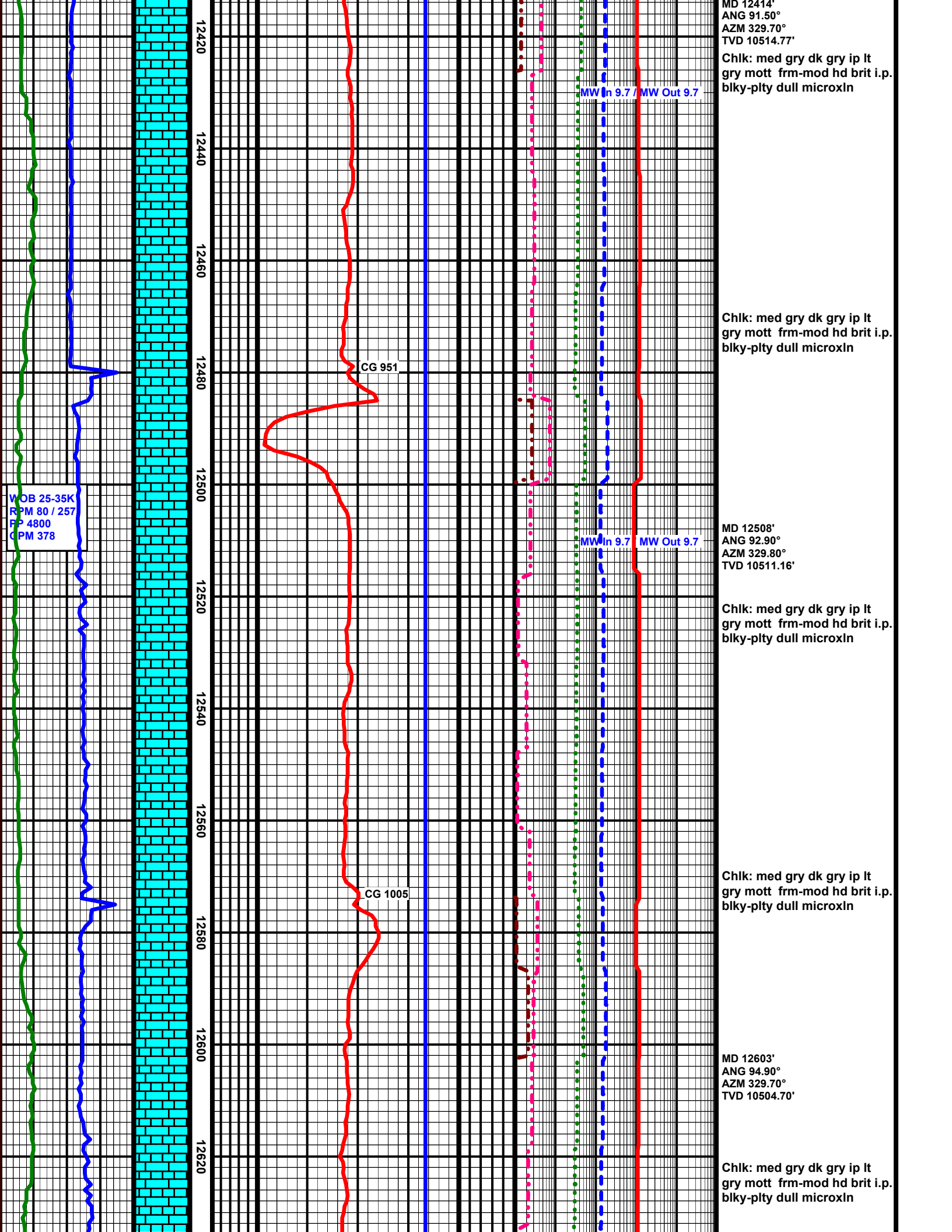












MD 12414'
ANG 91.50°
AZM 329.70°
TVD 10514.77'

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

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

MD 12508'
ANG 92.90°
AZM 329.80°
TVD 10511.16'

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

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

MD 12603'
ANG 94.90°
AZM 329.70°
TVD 10504.70'

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

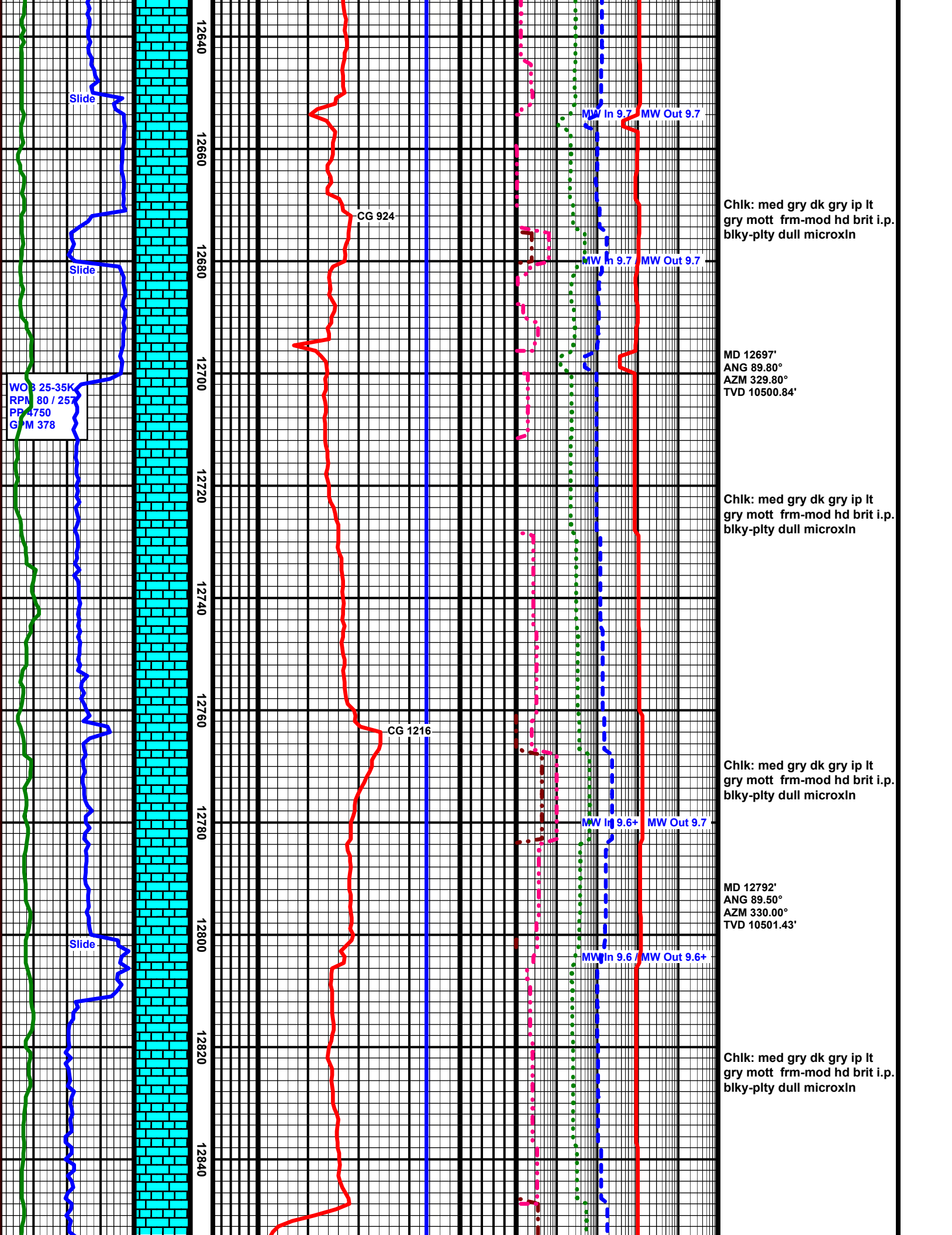
WOB 25-35K
RPM 80 / 257
PP 4800
CPM 378

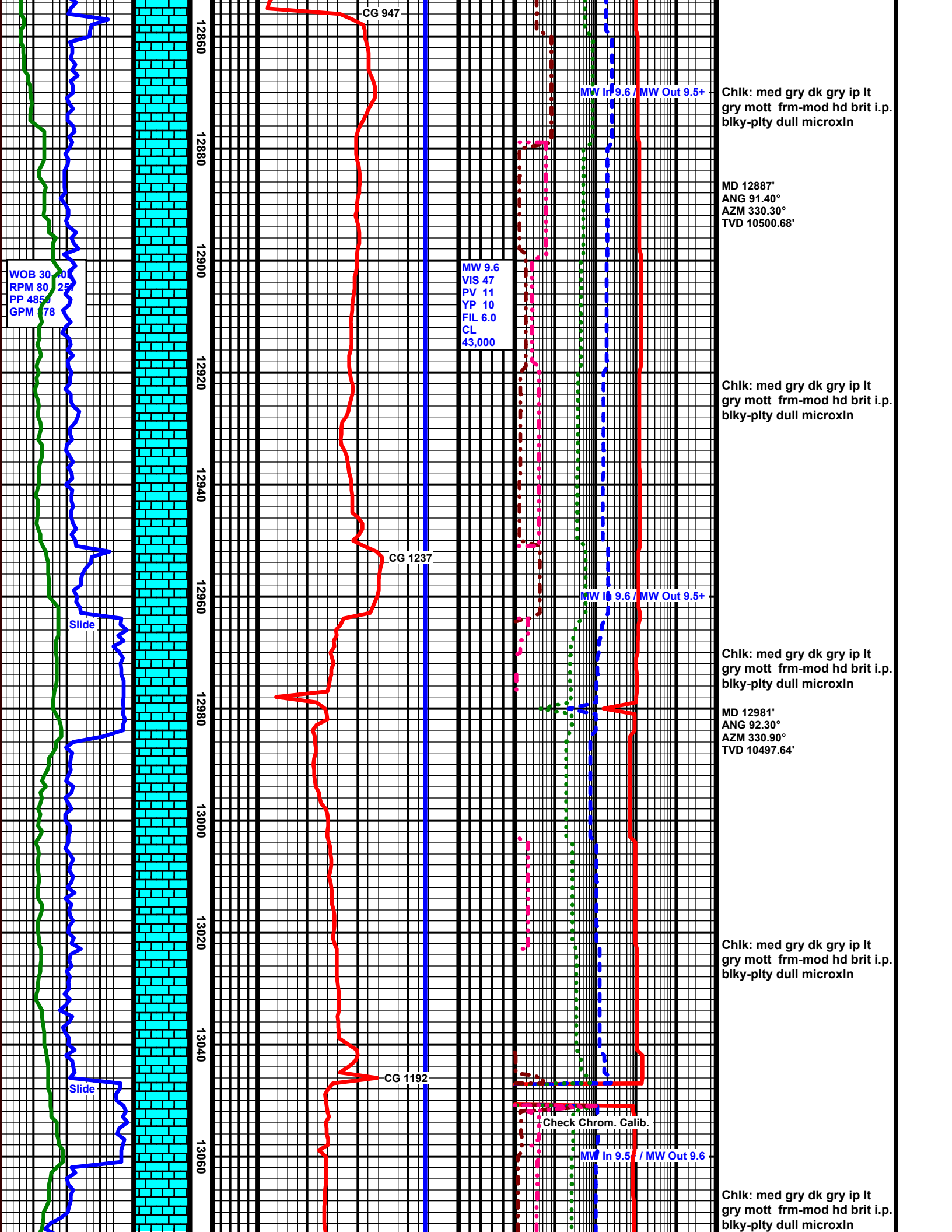
MW In 9.7 / MW Out 9.7

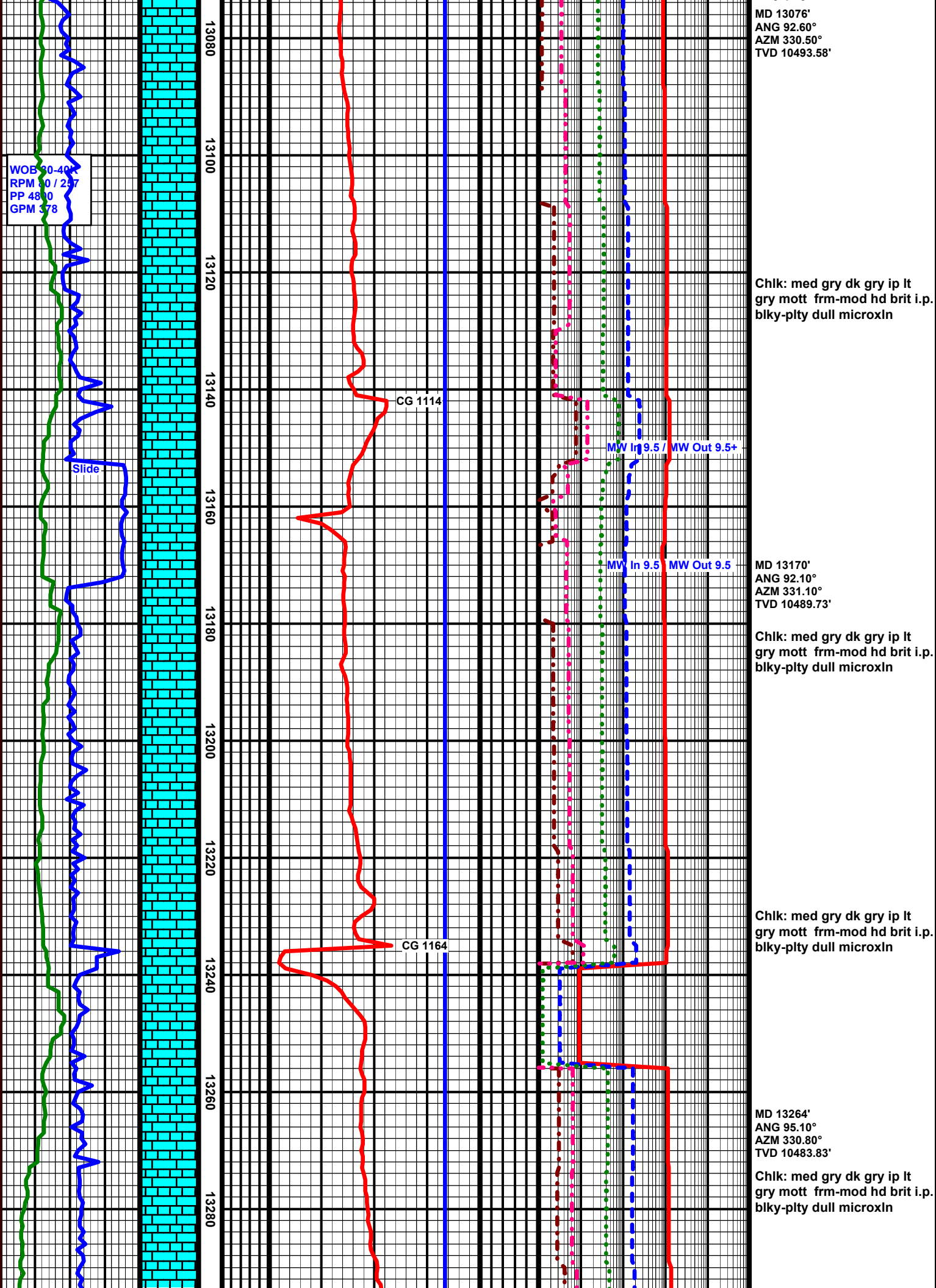
CG 951

MW In 9.7 / MW Out 9.7

CG 1005







MD 13076'
ANG 92.60°
AZM 330.50°
TVD 10493.58'

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

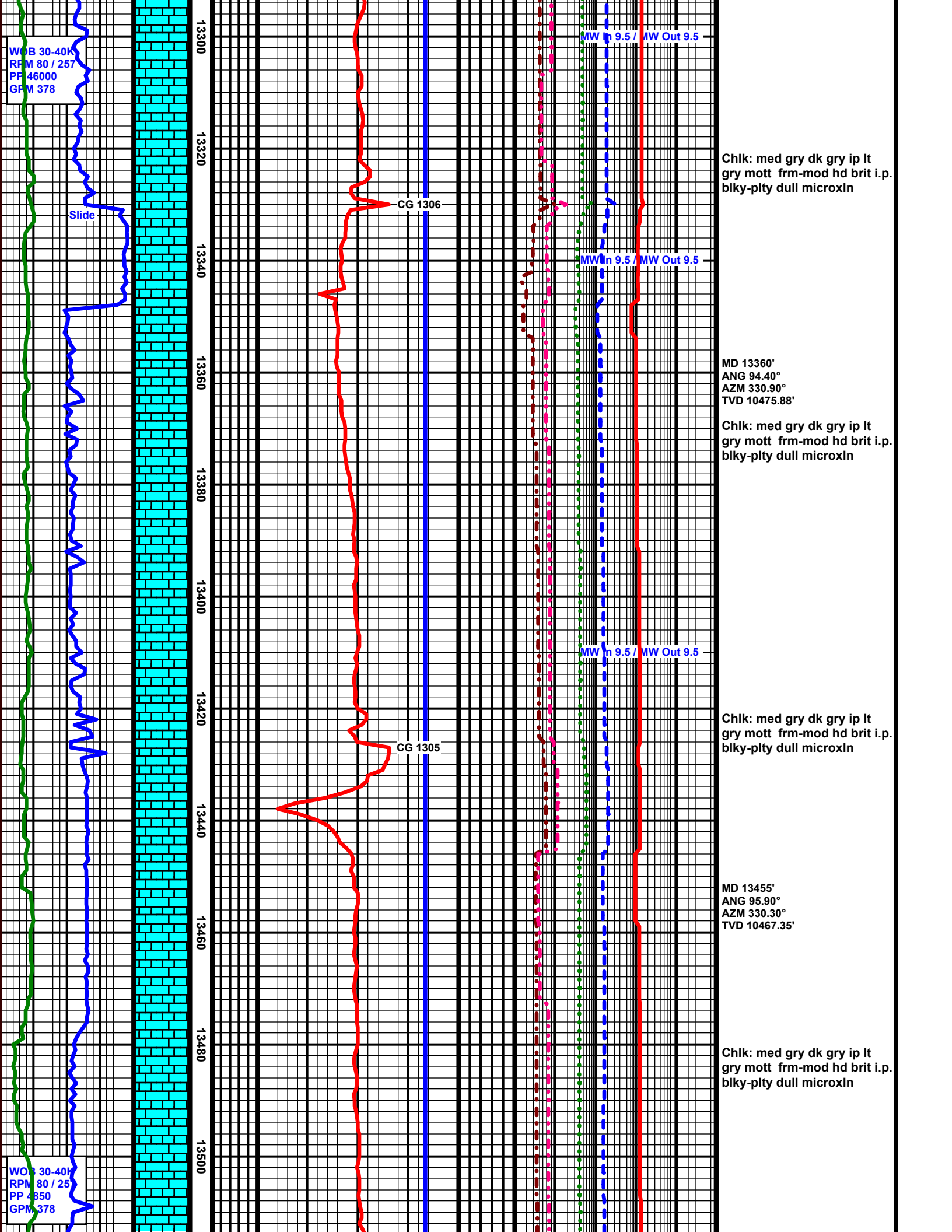
MD 13170'
ANG 92.10°
AZM 331.10°
TVD 10489.73'

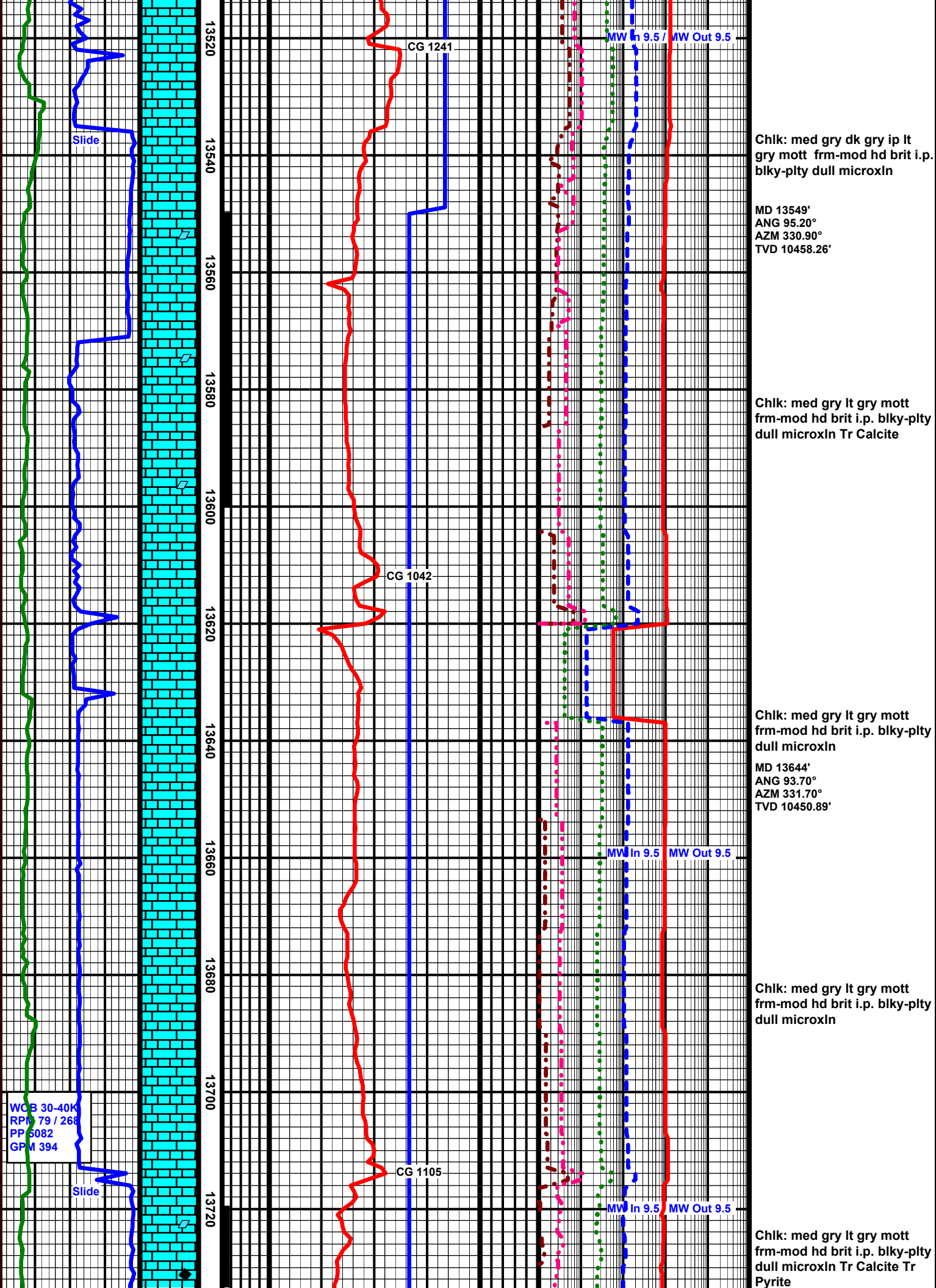
Chlk: med gry dk gry ip lt
gry mott frm-mod hd brit i.p.
blky-plty dull microxln

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

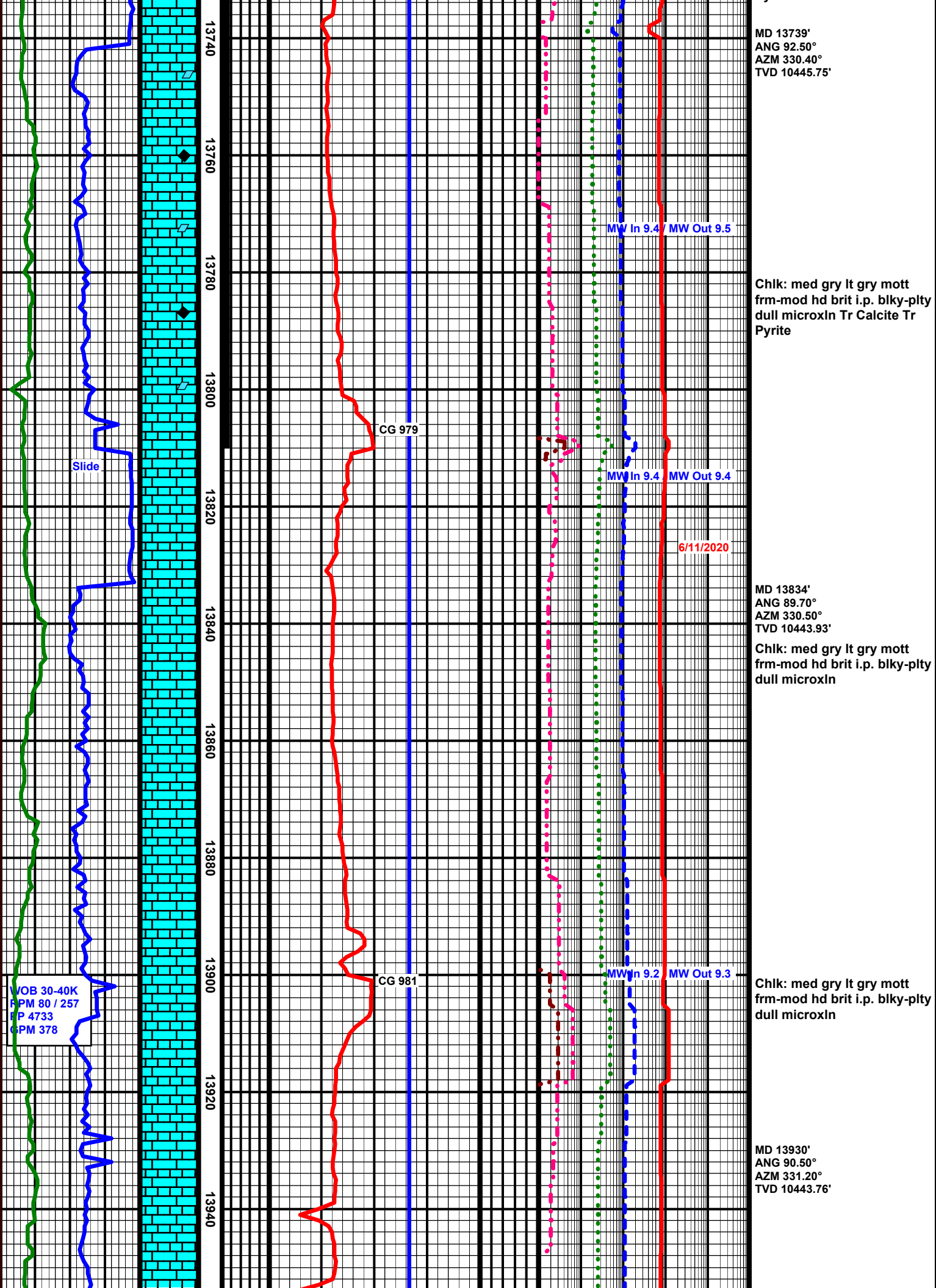
MD 13264'
ANG 95.10°
AZM 330.80°
TVD 10483.83'

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





WOB 30-40K
RPM 79 / 268
PP 5082
GPM 394



MD 13739'
ANG 92.50°
AZM 330.40°
TVD 10445.75'

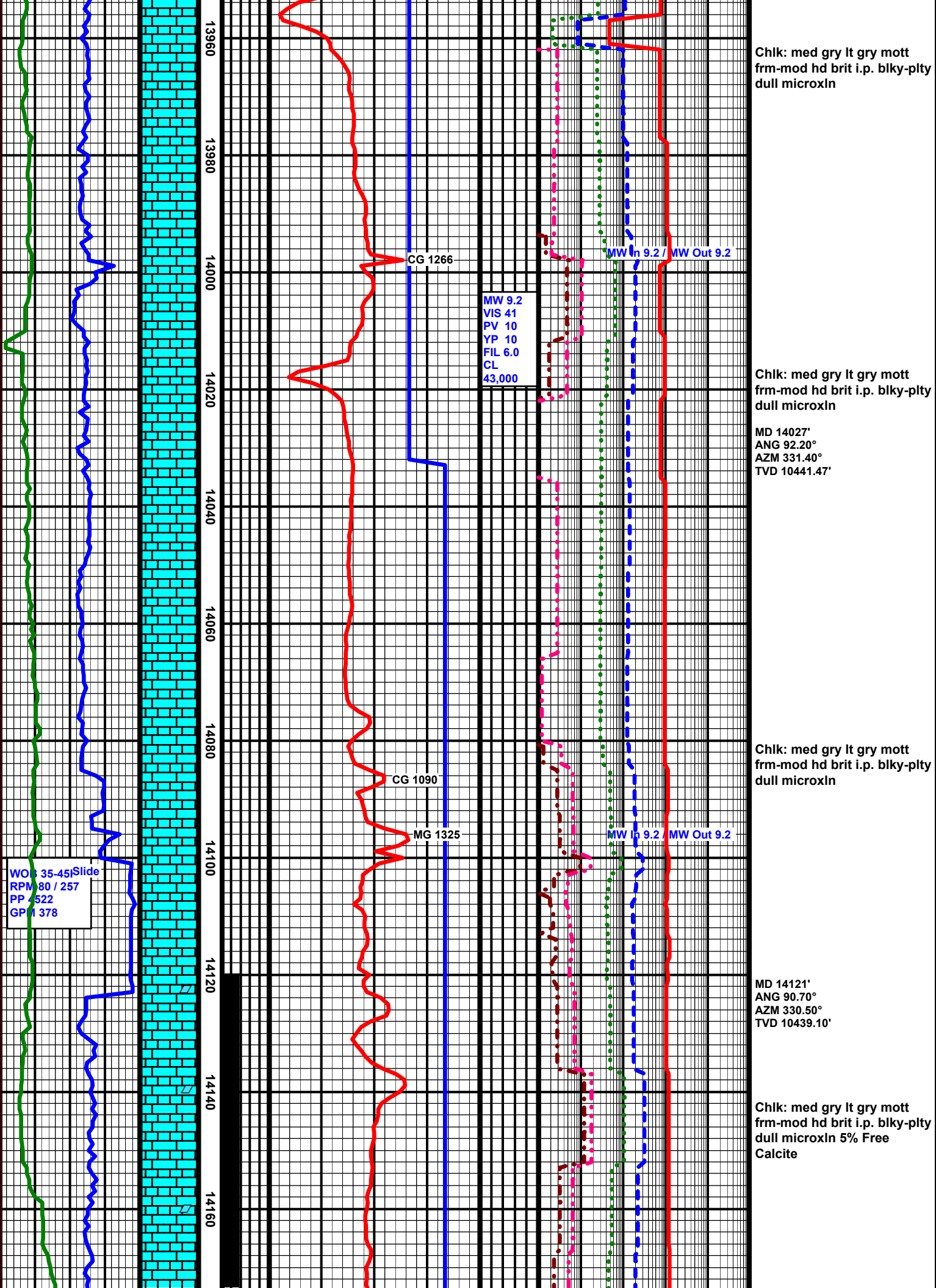
Chlk: med gry lt gry mott
frm-mod hd brit i.p. blkly-plty
dull microxln Tr Calcite Tr
Pyrite

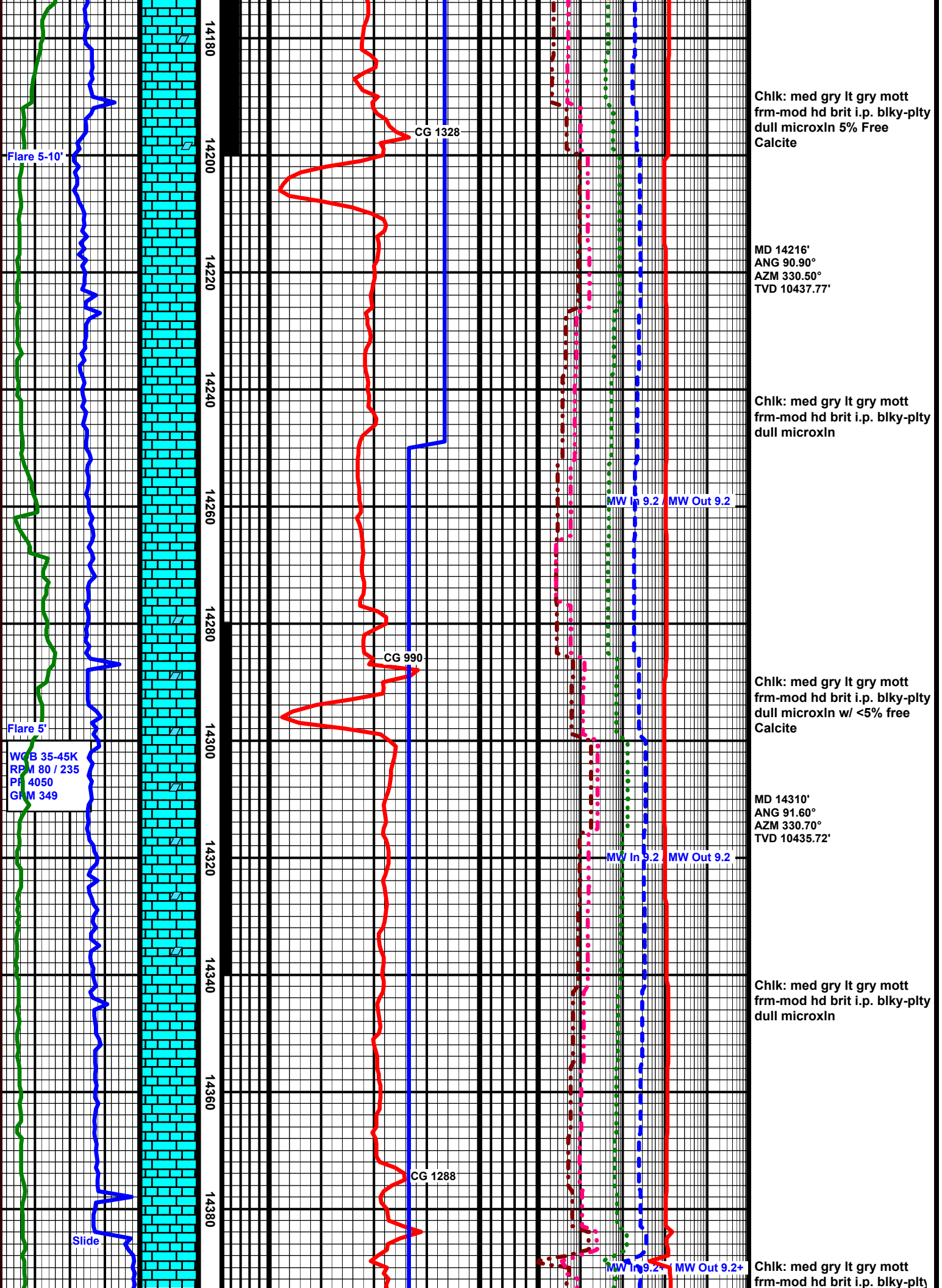
MD 13834'
ANG 89.70°
AZM 330.50°
TVD 10443.93'

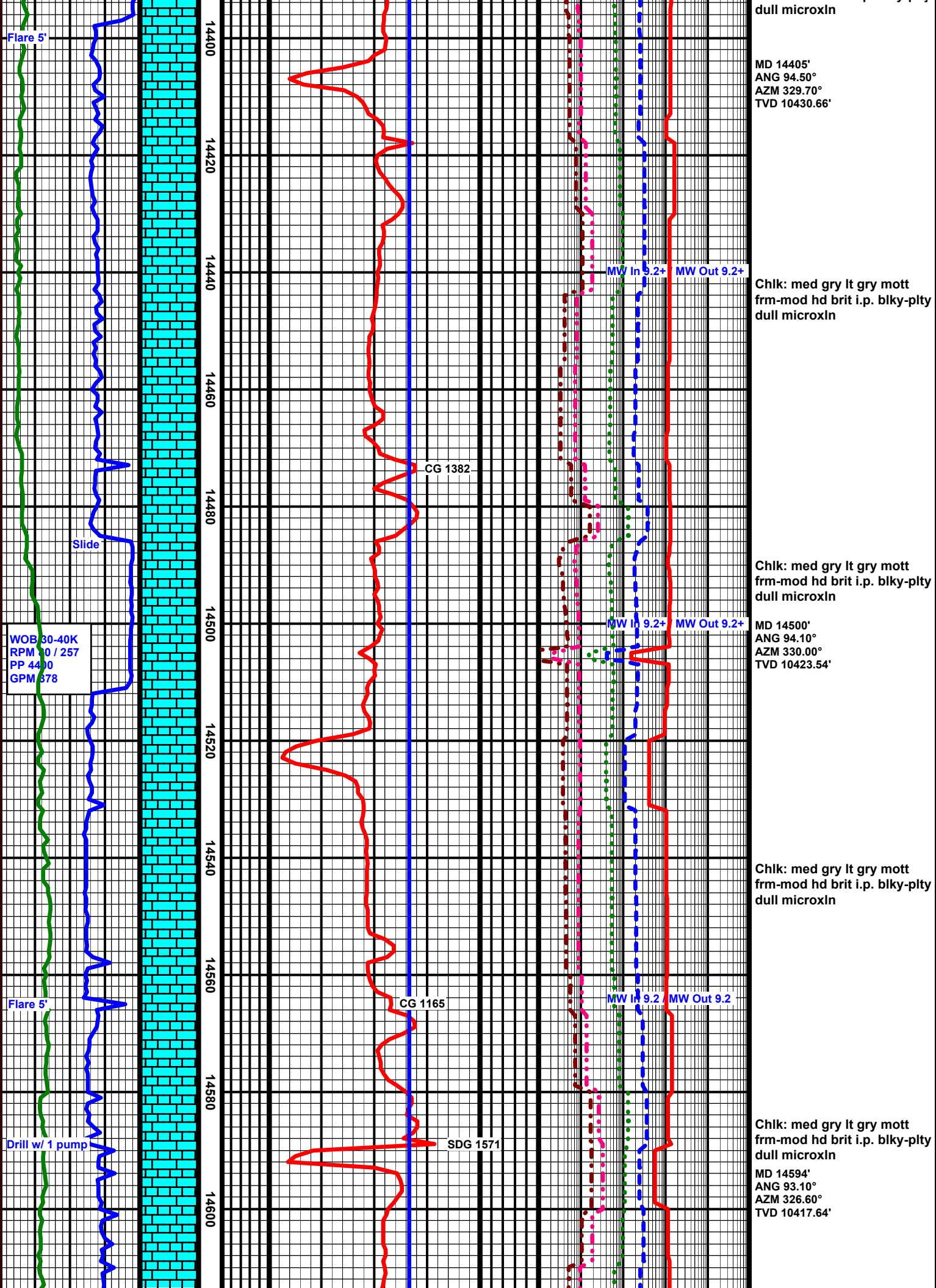
Chlk: med gry lt gry mott
frm-mod hd brit i.p. blkly-plty
dull microxln

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

MD 13930'
ANG 90.50°
AZM 331.20°
TVD 10443.76'







dull microxln

MD 14405'
ANG 94.50°
AZM 329.70°
TVD 10430.66'

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

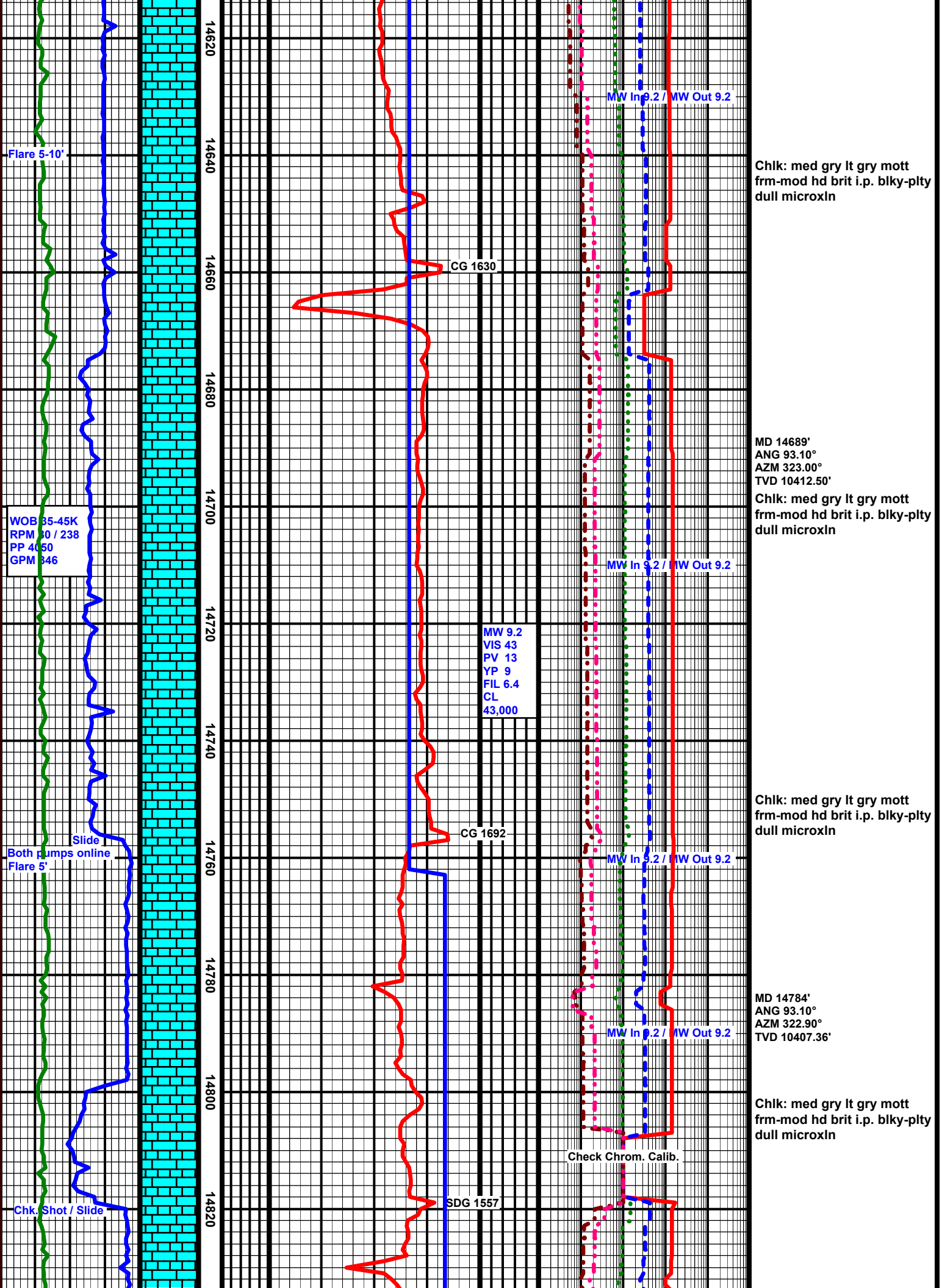
Chlk: med gry lt gry mott
frm-mod hd brit i.p. blk-pty
dull microxln

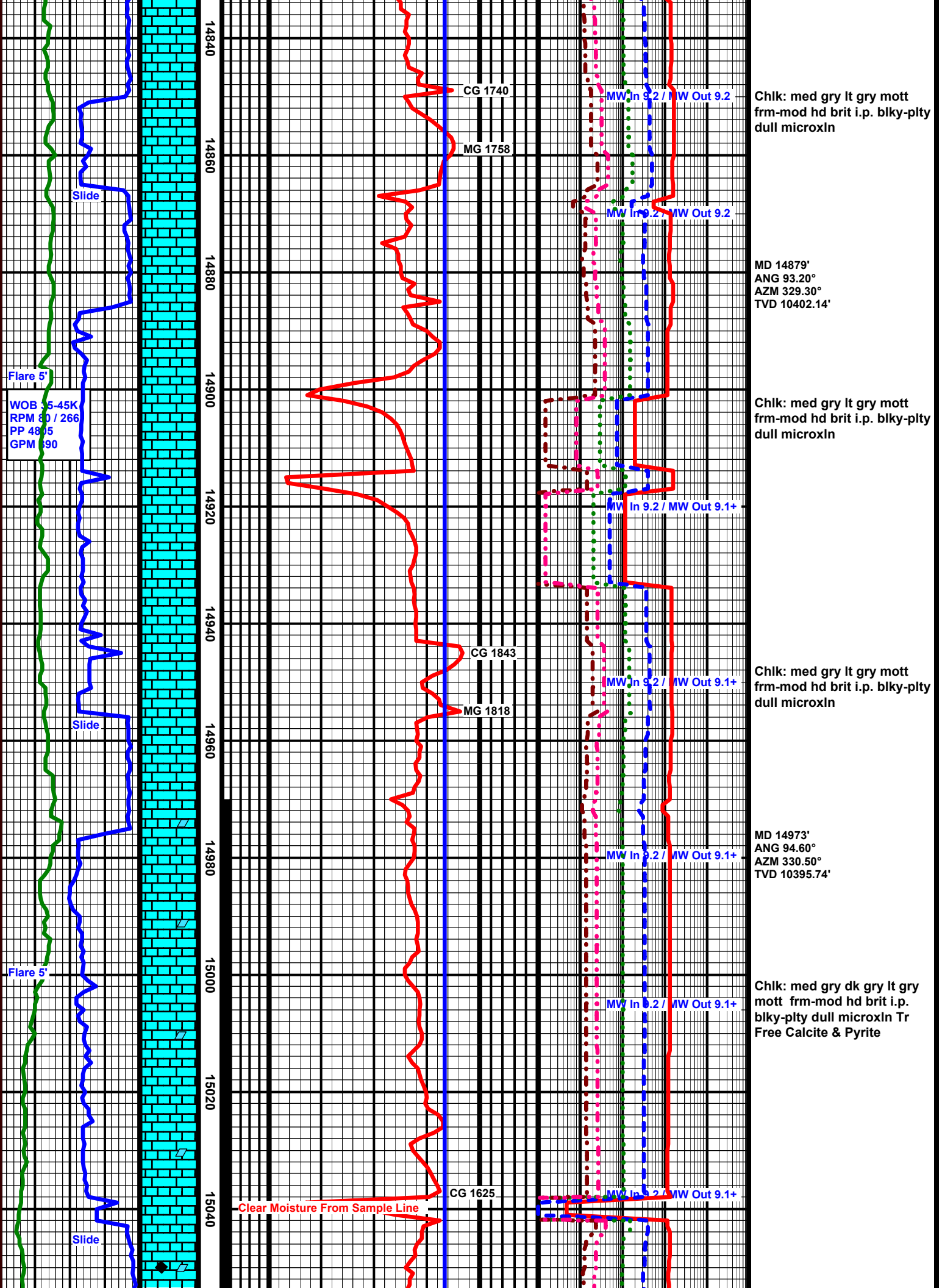
MD 14500'
ANG 94.10°
AZM 330.00°
TVD 10423.54'

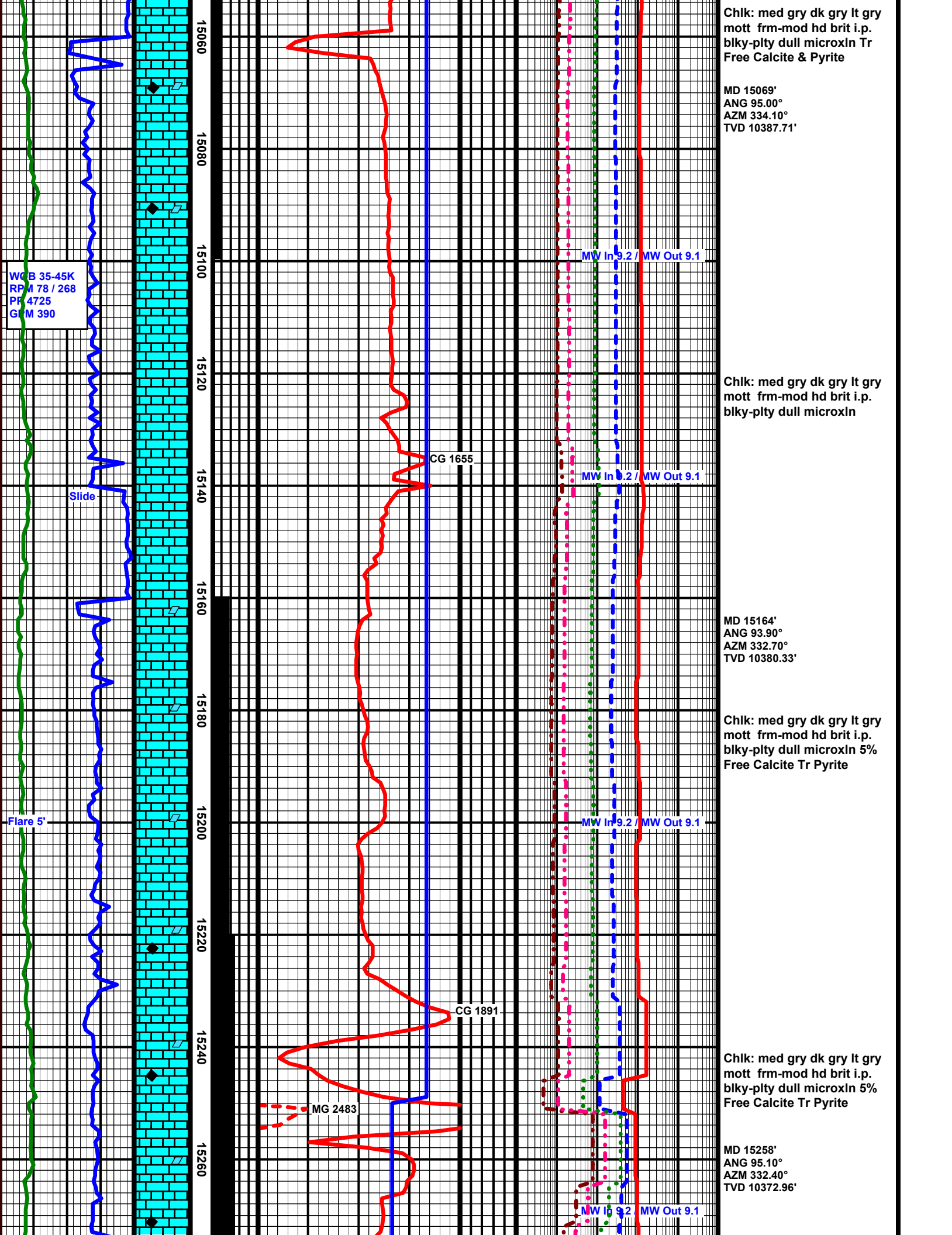
Chlk: med gry lt gry mott
frm-mod hd brit i.p. blk-pty
dull microxln

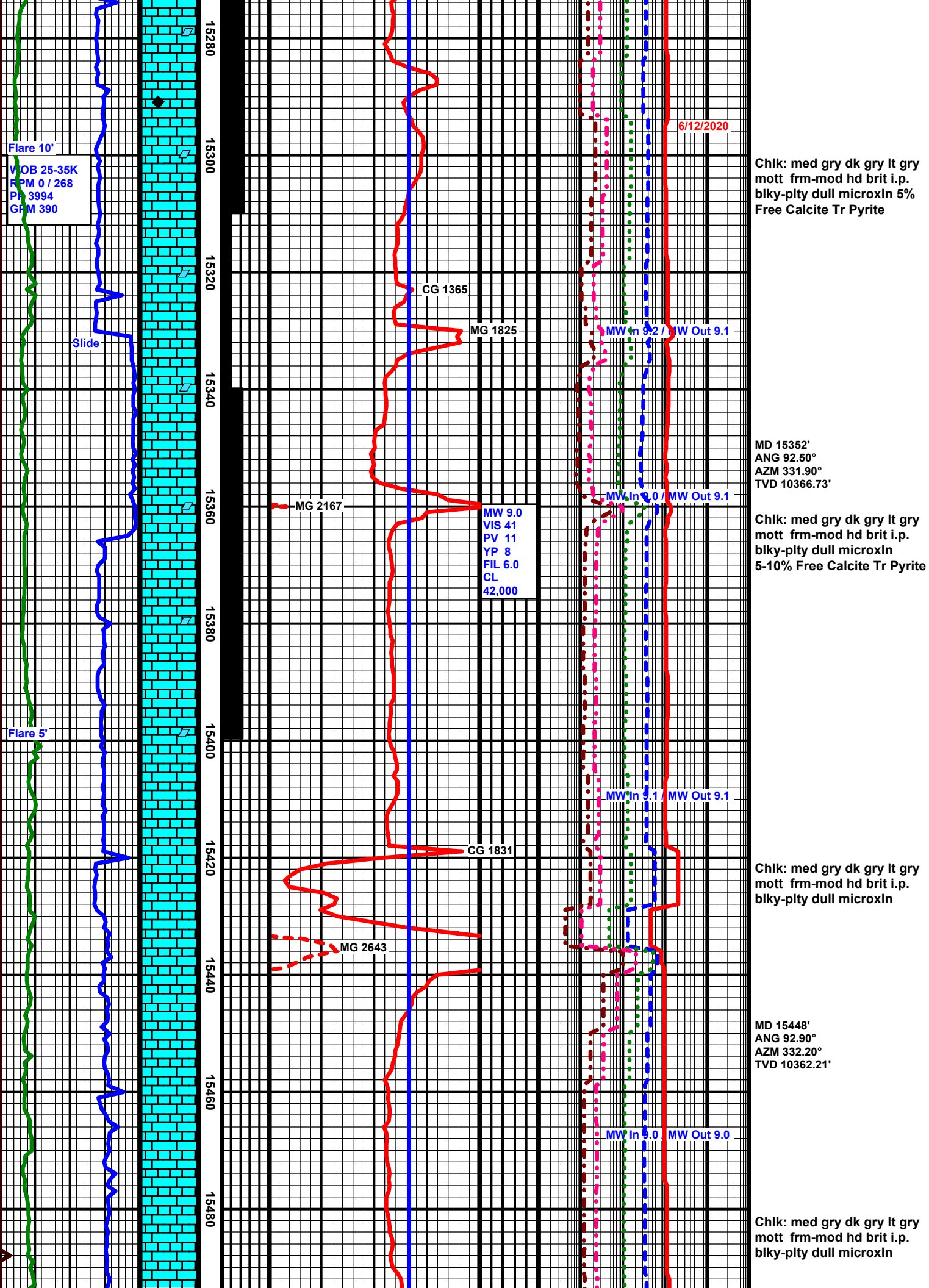
Chlk: med gry lt gry mott
frm-mod hd brit i.p. blk-pty
dull microxln

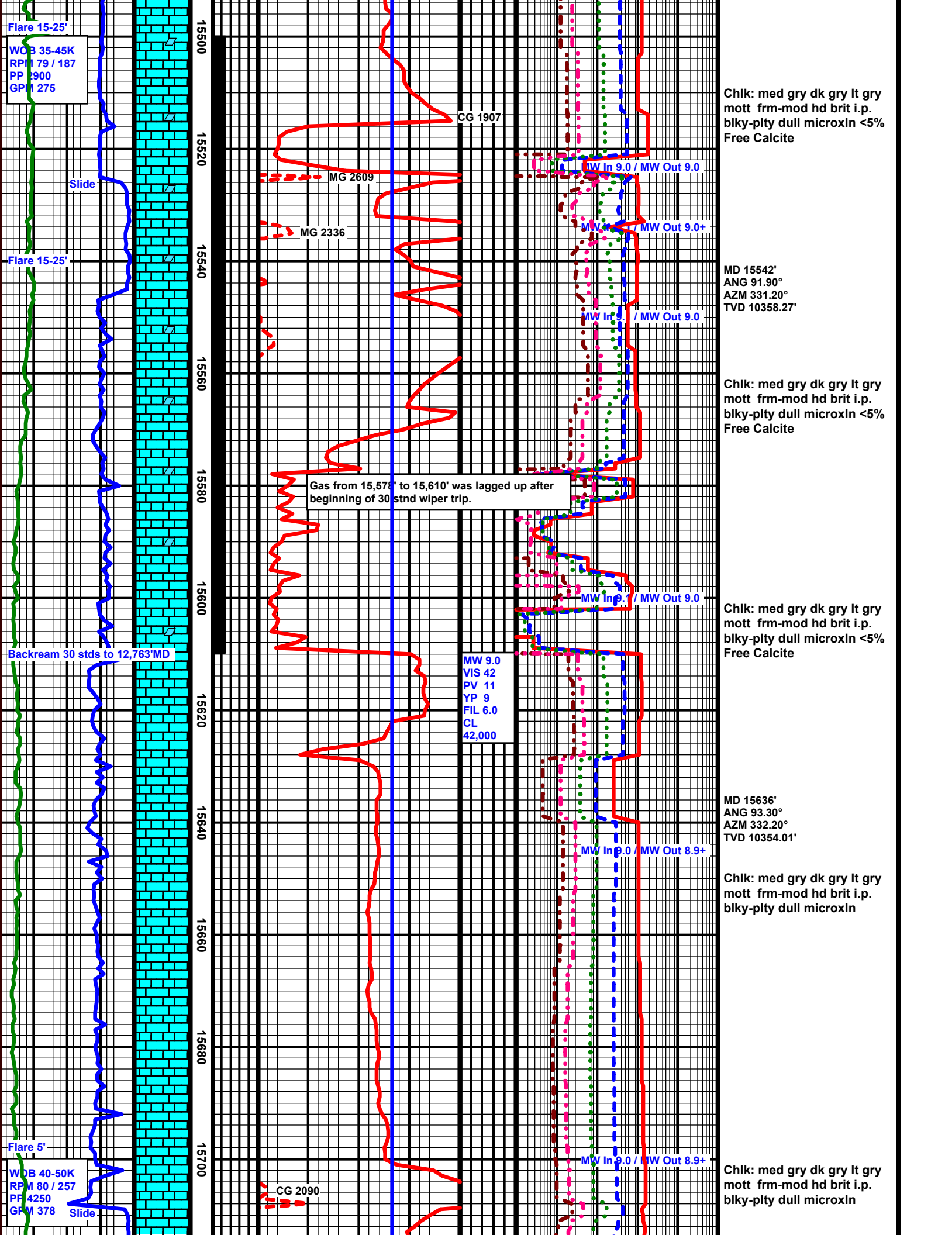
MD 14594'
ANG 93.10°
AZM 326.60°
TVD 10417.64'

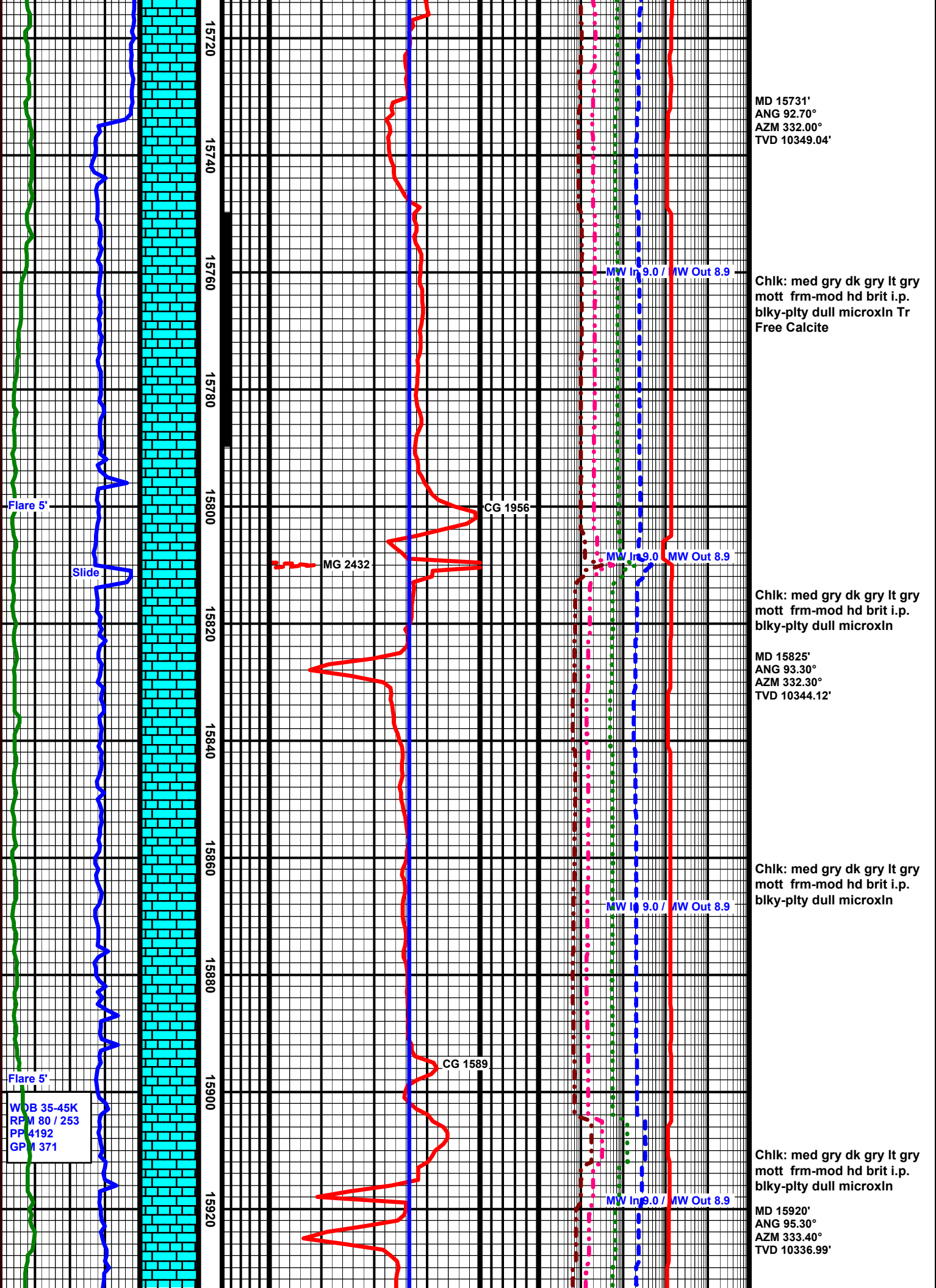


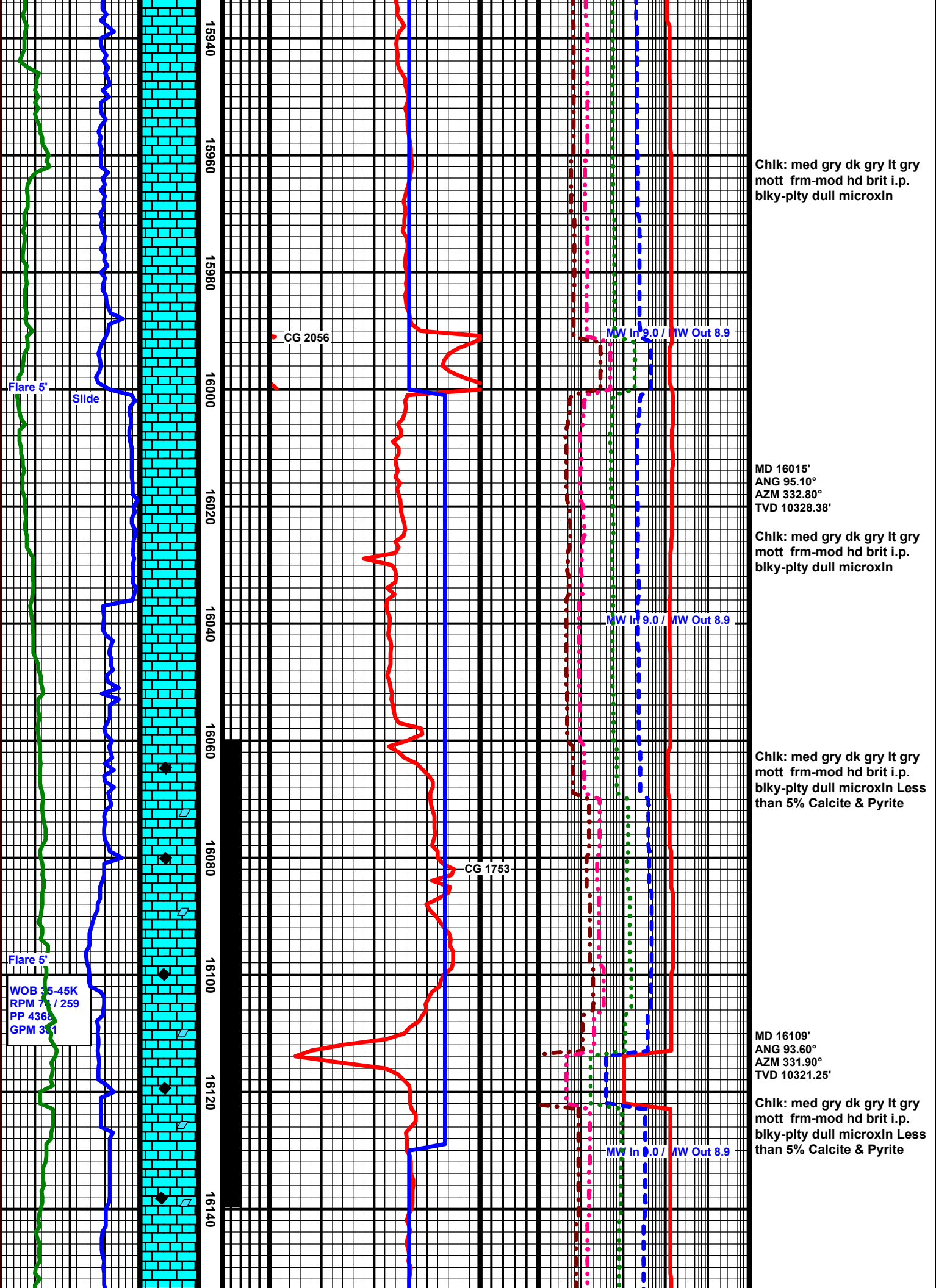












Chlk: med gry dk gry lt gry
mott frm-mod hd brit i.p.
blky-plty dull microxln

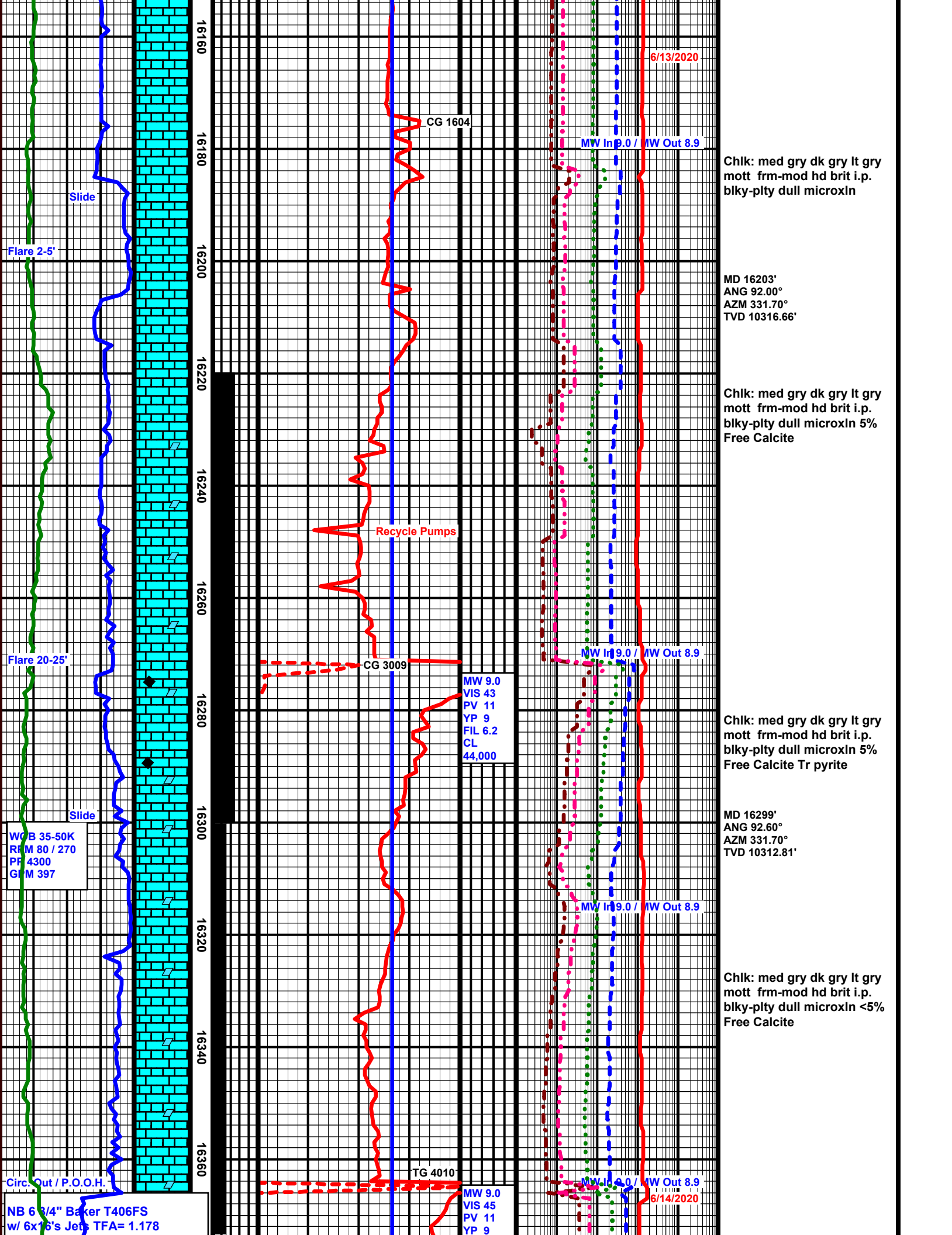
MD 16015'
ANG 95.10°
AZM 332.80°
TVD 10328.38'

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

Chlk: med gry dk gry lt gry
mott frm-mod hd brit i.p.
blky-plty dull microxln Less
than 5% Calcite & Pyrite

MD 16109'
ANG 93.60°
AZM 331.90°
TVD 10321.25'

Chlk: med gry dk gry lt gry
mott frm-mod hd brit i.p.
blky-plty dull microxln Less
than 5% Calcite & Pyrite



w/ 2° Aotor, WWD, & Gamma

