



FIVE INCH ROP-MD

COMPANY	Magnolia Oil & Gas	RIG	248
CONTRACTOR	Patterson-UTI		
WELL	Levi Goodrich Unit 2 H		
FIELD	Giddings		
COUNTY	Washington County	STATE	Texas
LOCATION		Other Services One Inch ROP-MD	
LAT: 30.2294° LONG: -96.6734°			
API SERIAL NO	SECTION	TOWNSHIP	RANGE
42-477-31134			

LOCATION			
LAT: 30.2294° LONG: -96.6734°			
API SERIAL NO	SECTION	TOWNSHIP	RANGE
42-477-31134			

Other Services

One Inch ROP-MD

SPUD DATE	4/26/2020	TOTAL DEPTH	16,942'	Elev.	KB	28'
LOGGING STARTED	5/13/2020	@	10,284'	D.F.		
LOGGING FINISHED	5/19/2020	@	16,942'	G.L.	305'	
				S.F.		

BORE HOLE RECORD

OLE SIZE	FROM	TO	SIZE	WGT	FROM	TO
6 3/4"	10,274'	16,942'	7 5/8"	29.7#	Surface	10,274'
















CASING RECORD

[illegible]

REMARKS: All depths correspond to drillers tally.

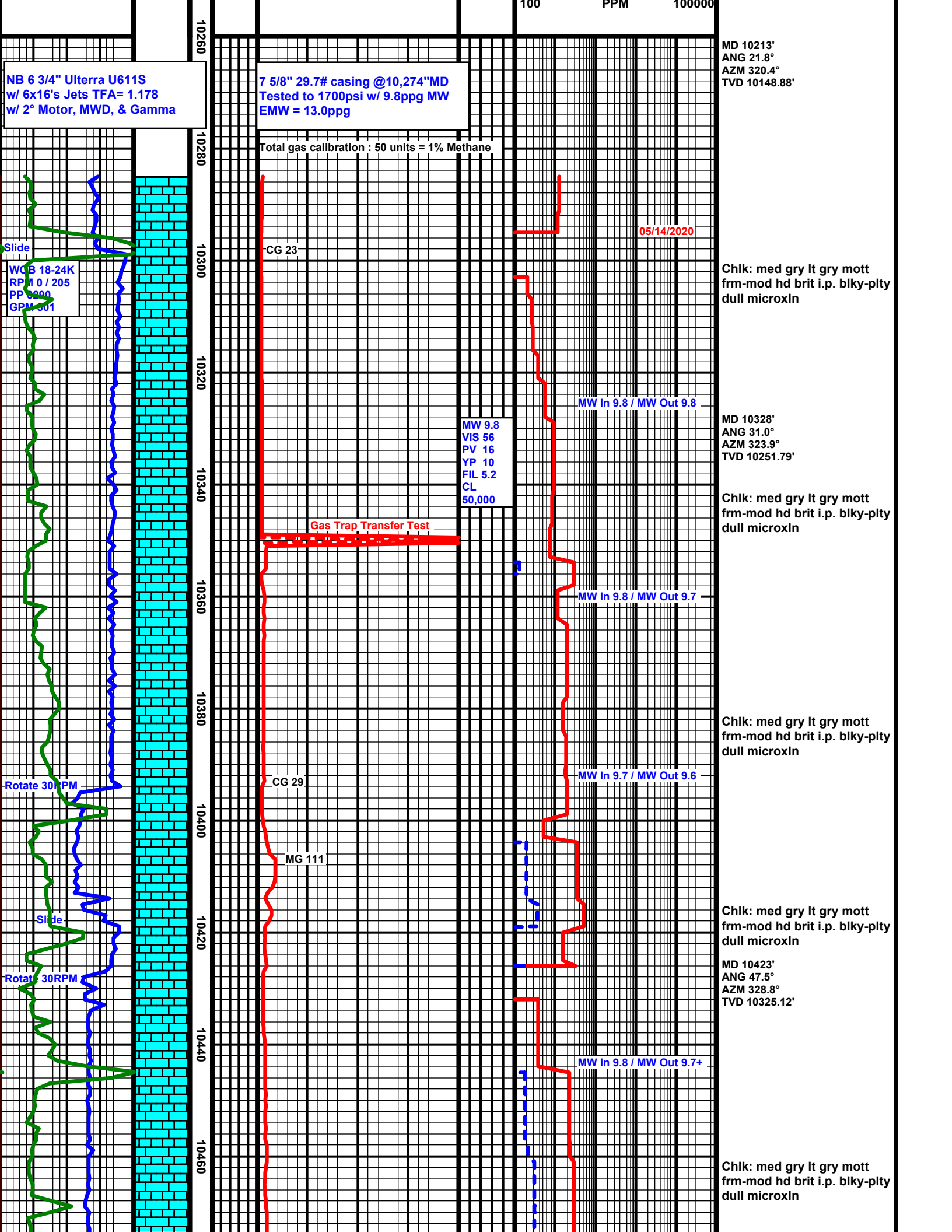
LOGGING PERSONNEL L.J. Dufrene, Josh Wilson

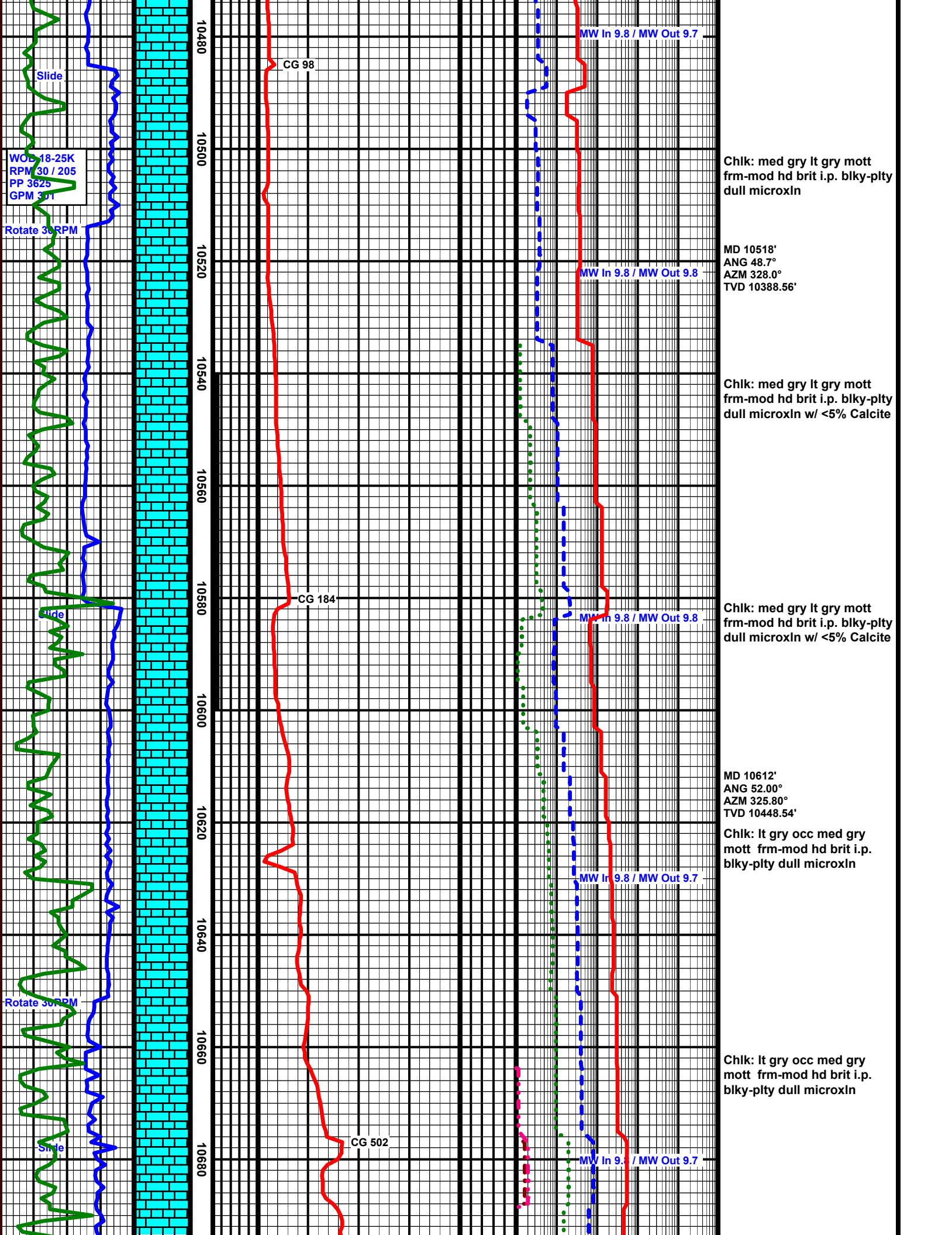
FOLD HERE THE WELL NAME AND BOREHOLE REFERENCE DATA WERE FURNISHED BY THE CUSTOMER

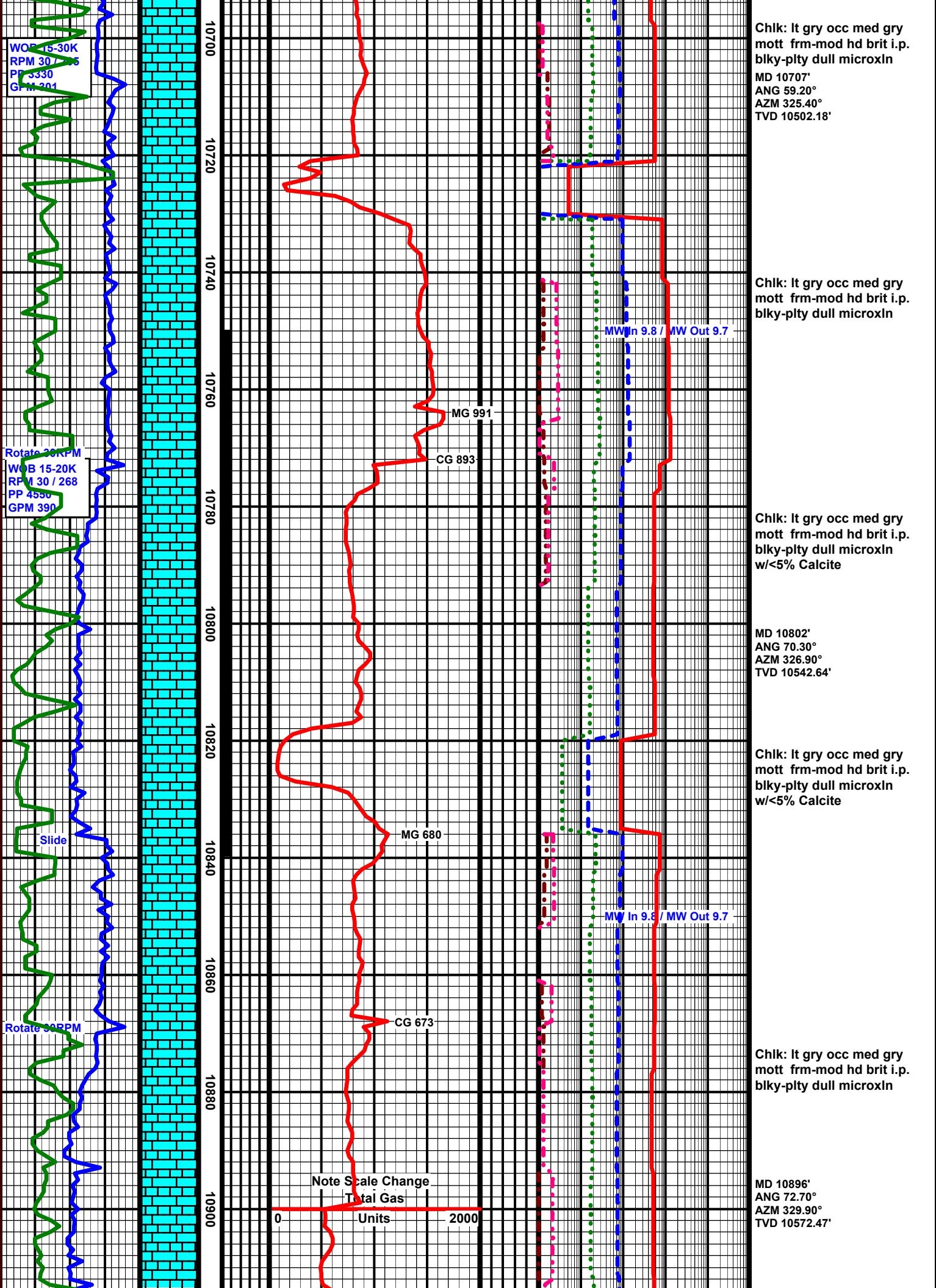
Company	Magnolia Oil & Gas	Shale	Limestone	Anhydrite	Dolomite	No Sample
Well	Levi Goodrich Unit 2 2H					
Location	Washington County	Sandstone	Coal	Ash	Sandy Limestone	Salt - Na
Supervisor	LJ Dufrene					
Unit	LR05	Siltstone	Cement	Chalk	Marl	Salt - K
						

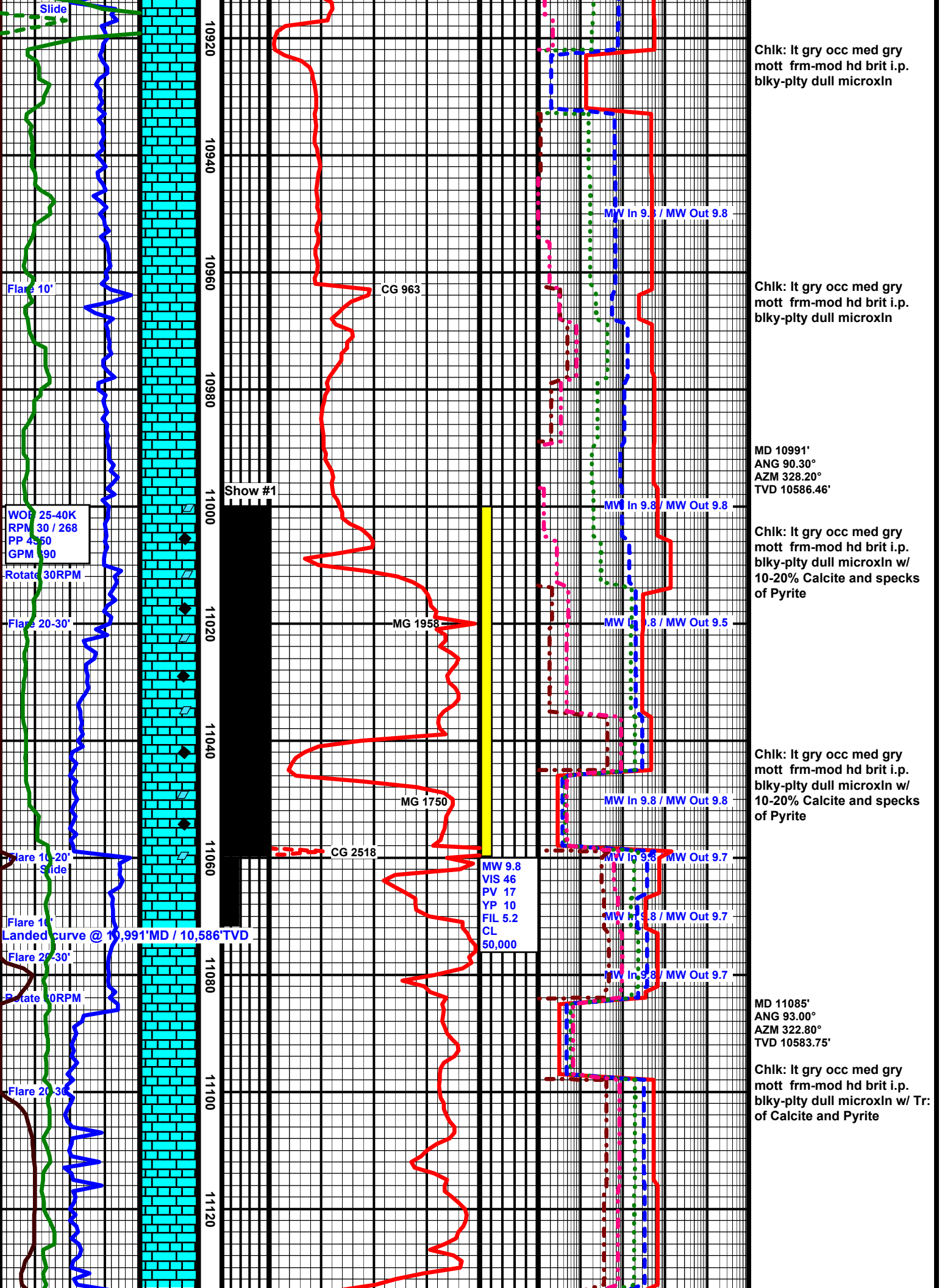
SHOWS HAVE THE FOLLOWING SIGNIFIGANCE			
T - TRACE [ZONE OF INTEREST]	NDB - NEW DIAMOND BIT	UDB - USED DIAMOND BIT	CG - CONNECTION GAS
P - POOR SHOW PROBABLY NOT PRODUCTIVE	NB - NEW BIT	CO - CIRCULATING OUT	NR - NO RETURNS
F - FAIR SHOW POSSIBLY PRODUCTIVE	TG - TRIP GAS	LAT - LOGGED AFTER TRIP	DS - DIRECTIONAL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

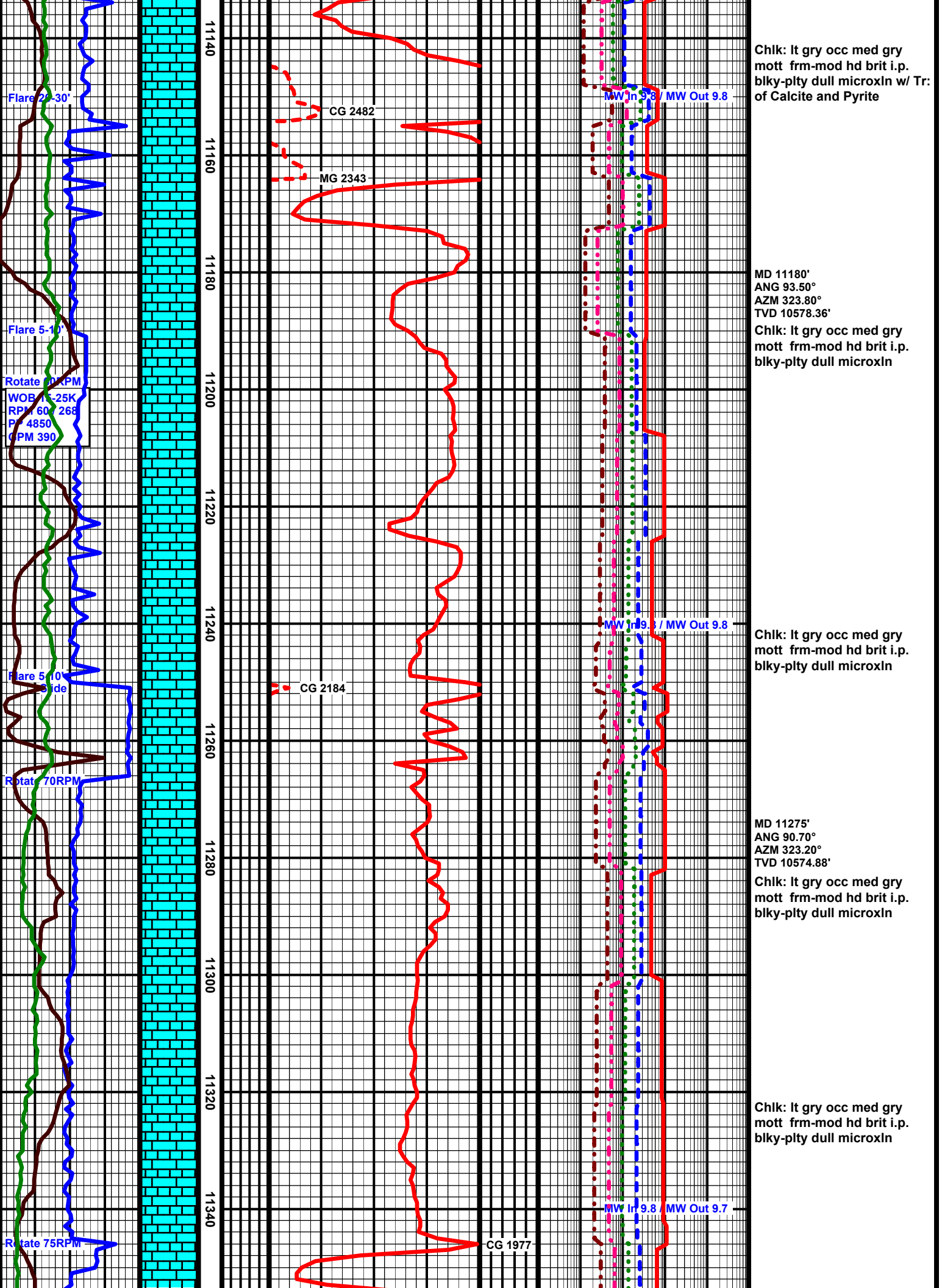
ROP			Lith		Frac.	Gas	Fluor	Chromatograph	Remarks
ROP					Frac.	Total Gas		Methane	
400	Ft/Hr	0			0 % 10 0	Units	1200	100 PPM 100000	
Casing Press.								Ethane	
0	PSI	1000						100 PPM 100000	
Gamma								Propane	
0	API	150						100 PPM 100000	
								I-Butane	
								100 PPM 100000	
								N-Butane	

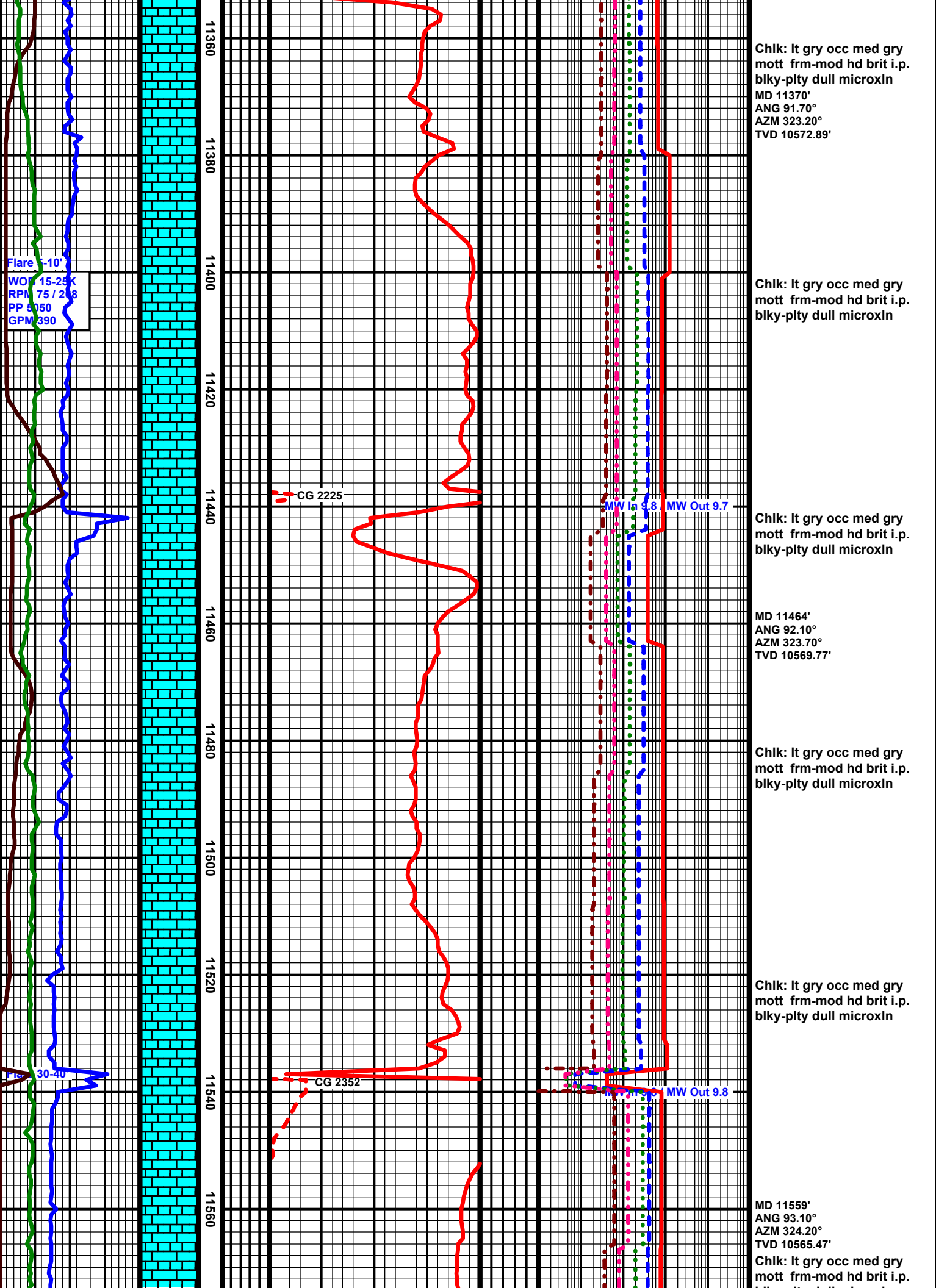


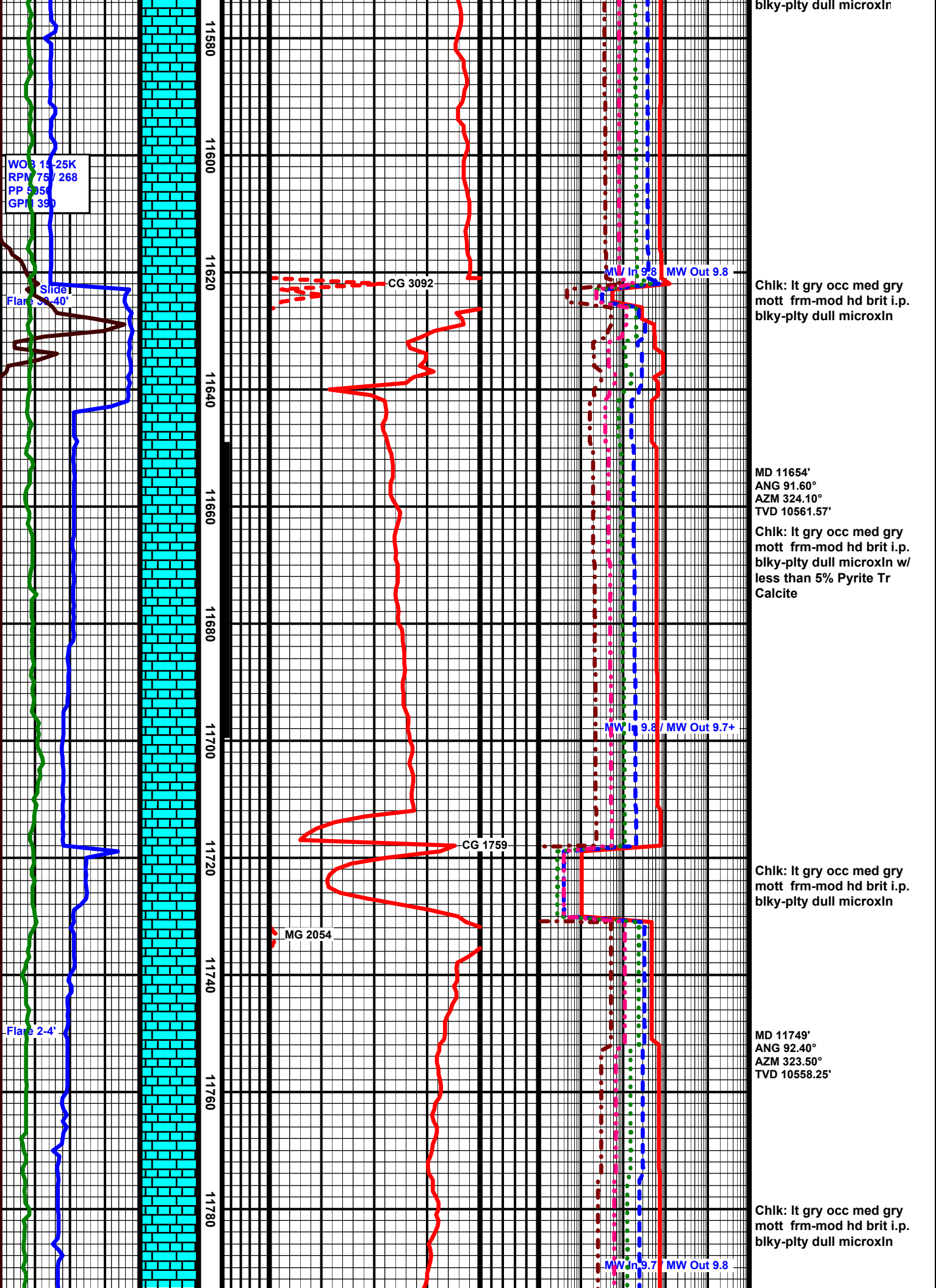


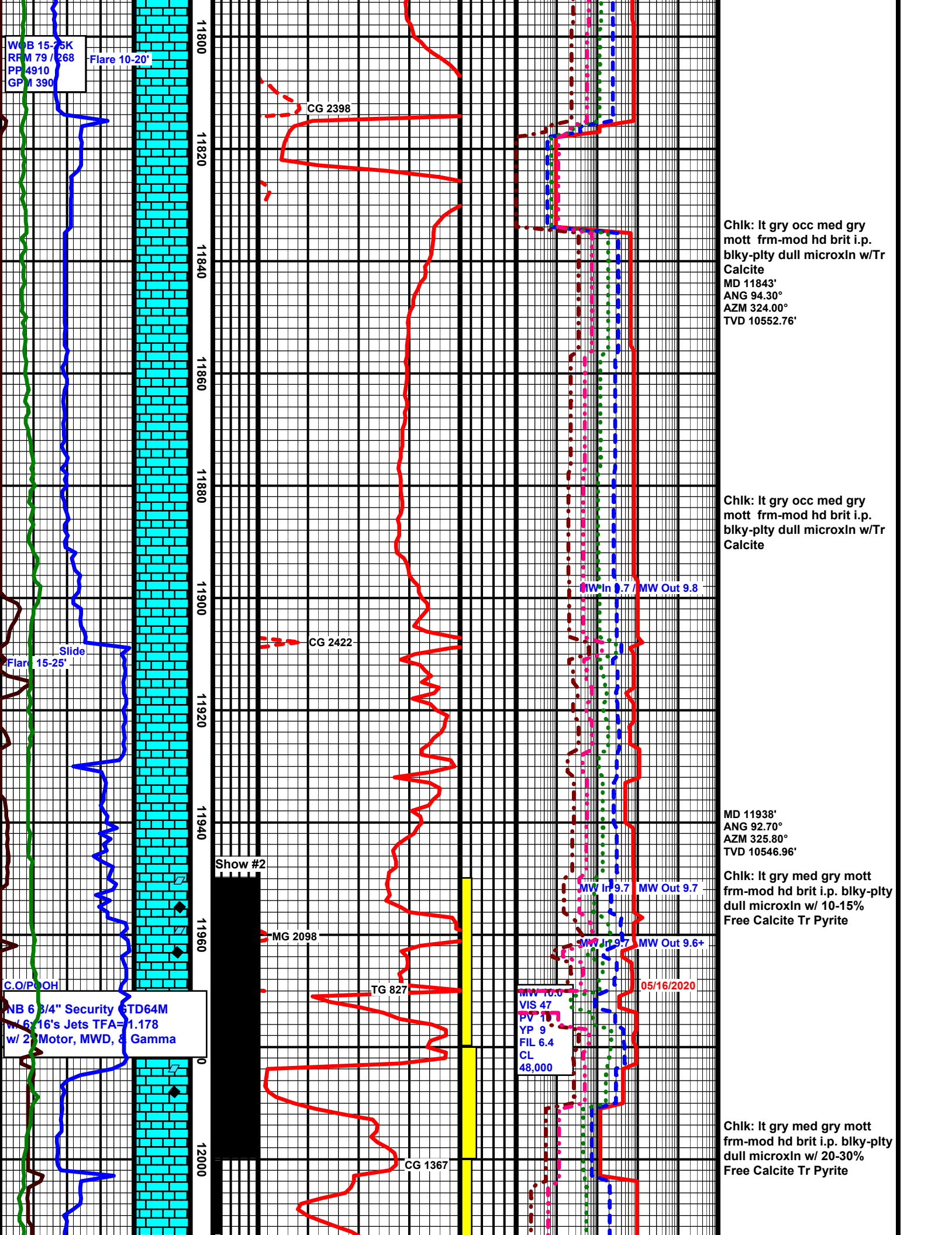


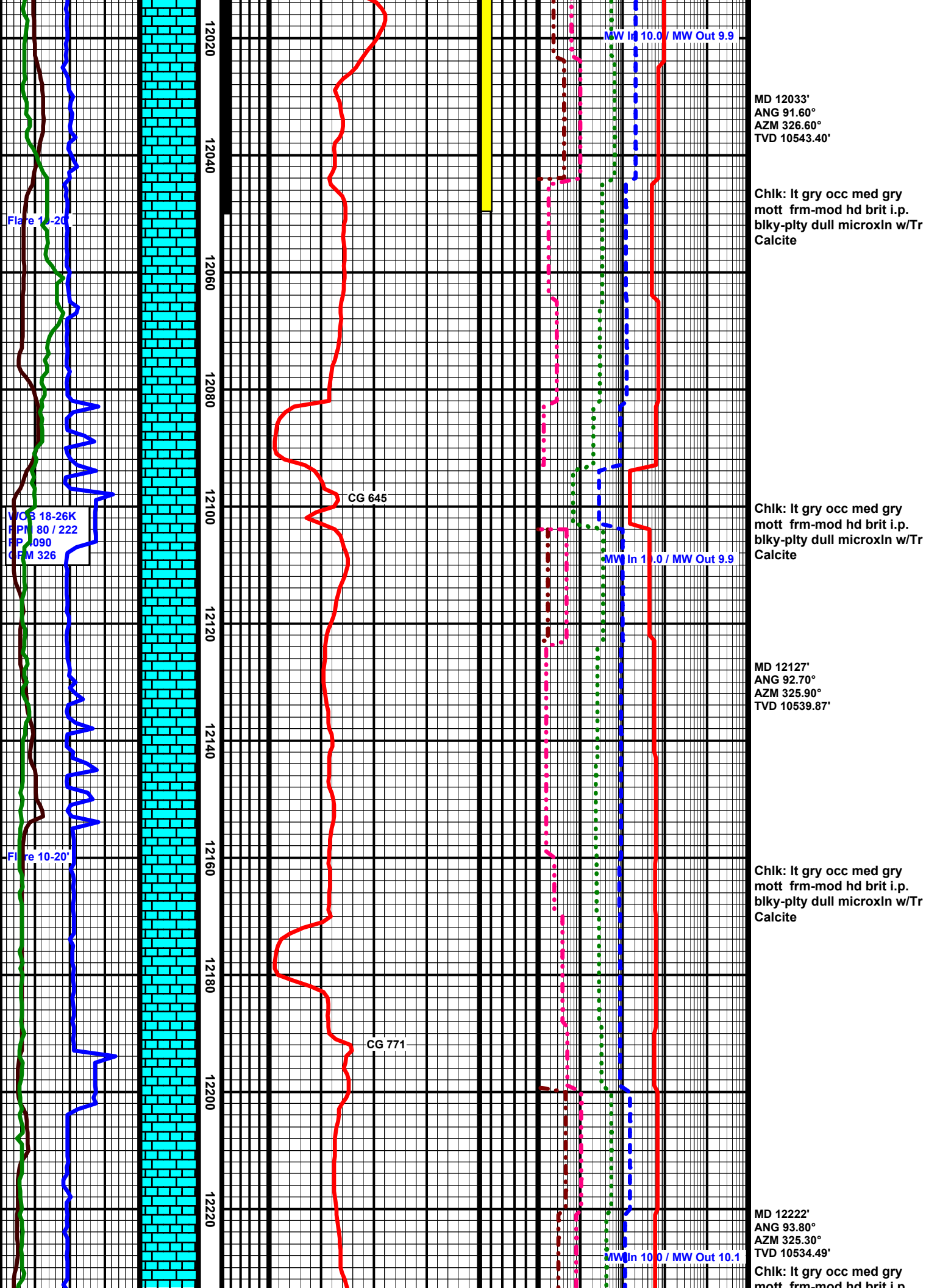


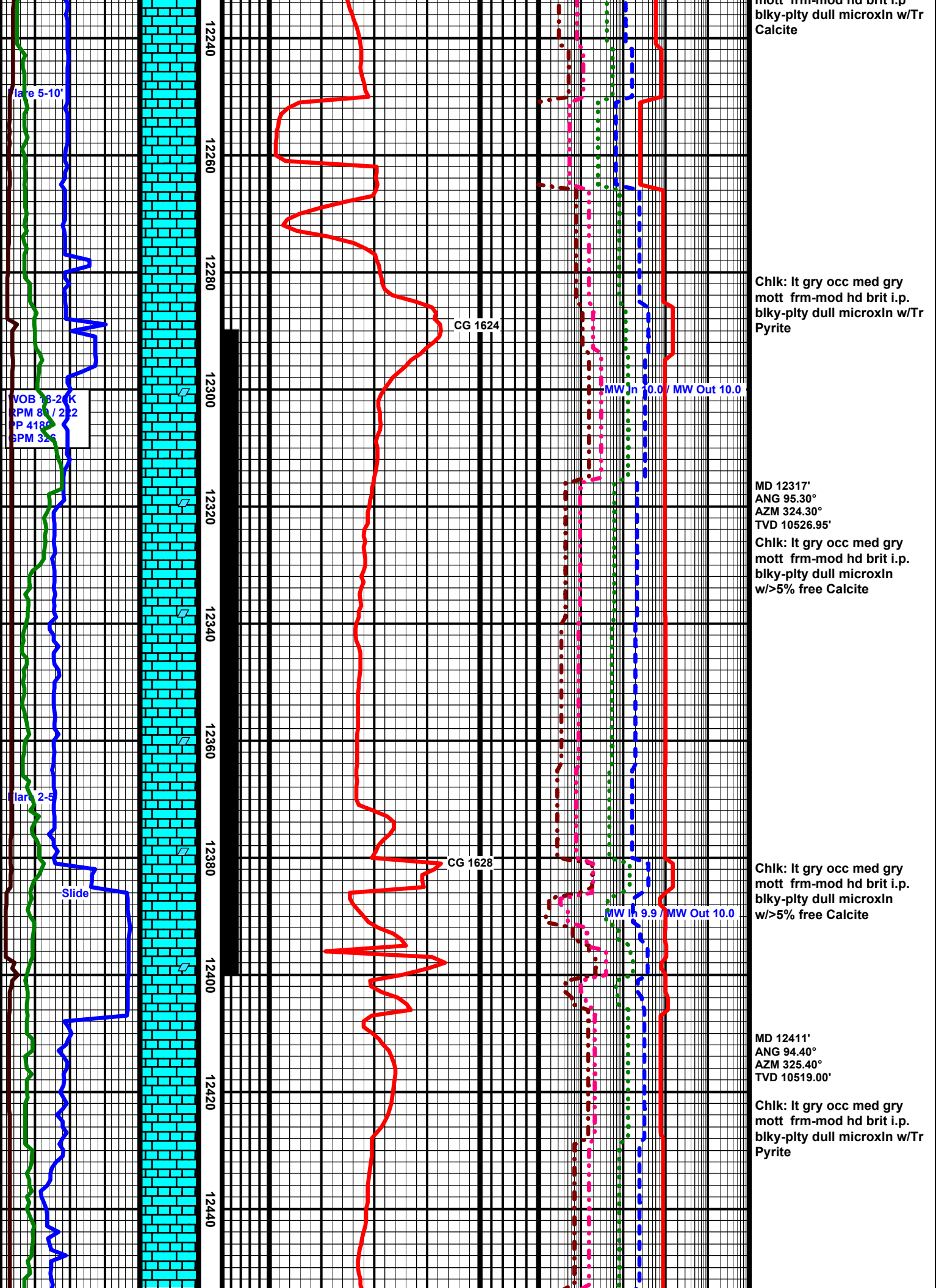












mott frm-mod hd brit i.p.
blky-plty dull microxln w/Tr
Calcite

Chlk: lt gry occ med gry
mott frm-mod hd brit i.p.
blky-plty dull microxln w/Tr
Pyrite

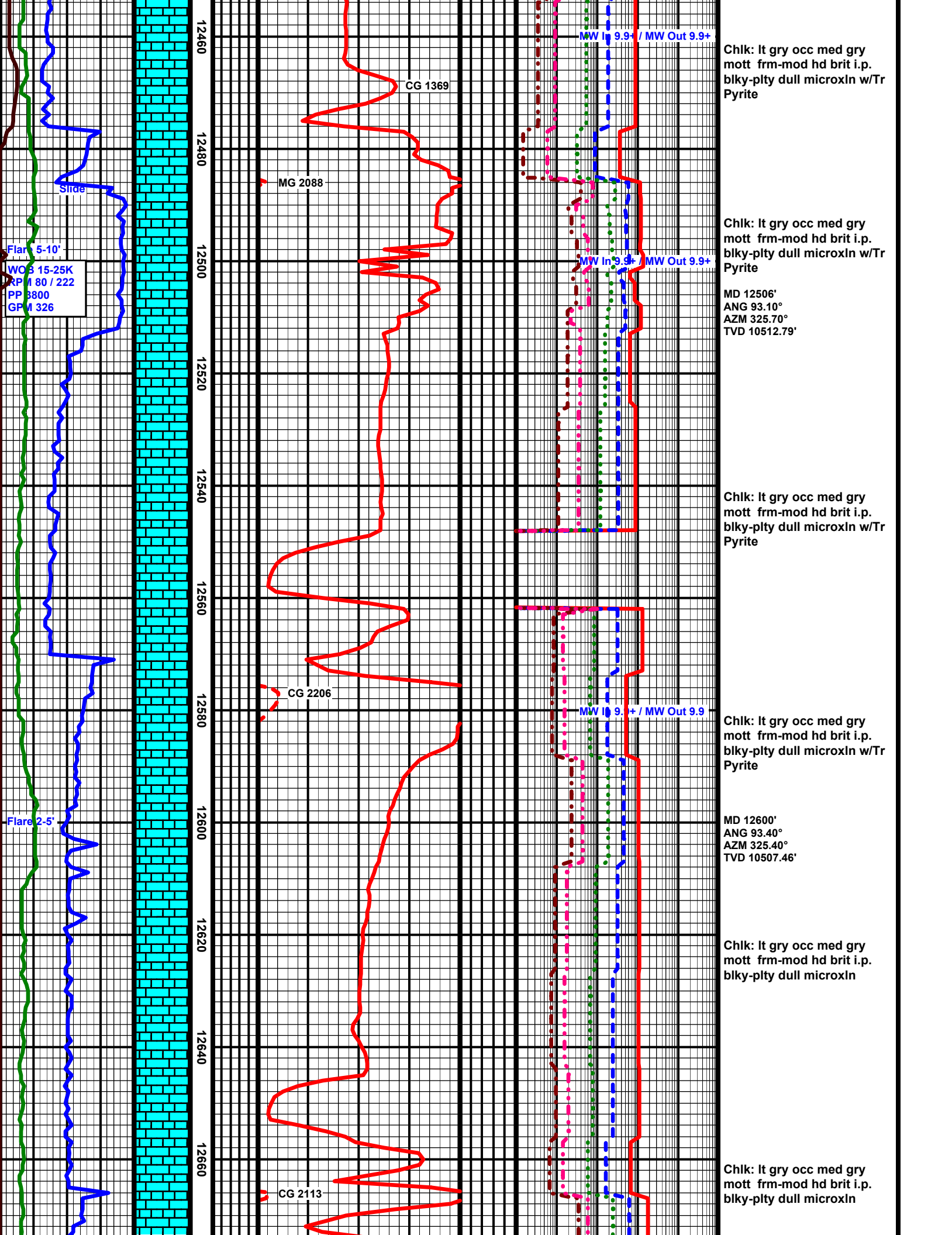
MD 12317'
ANG 95.30°
AZM 324.30°
TVD 10526.95'

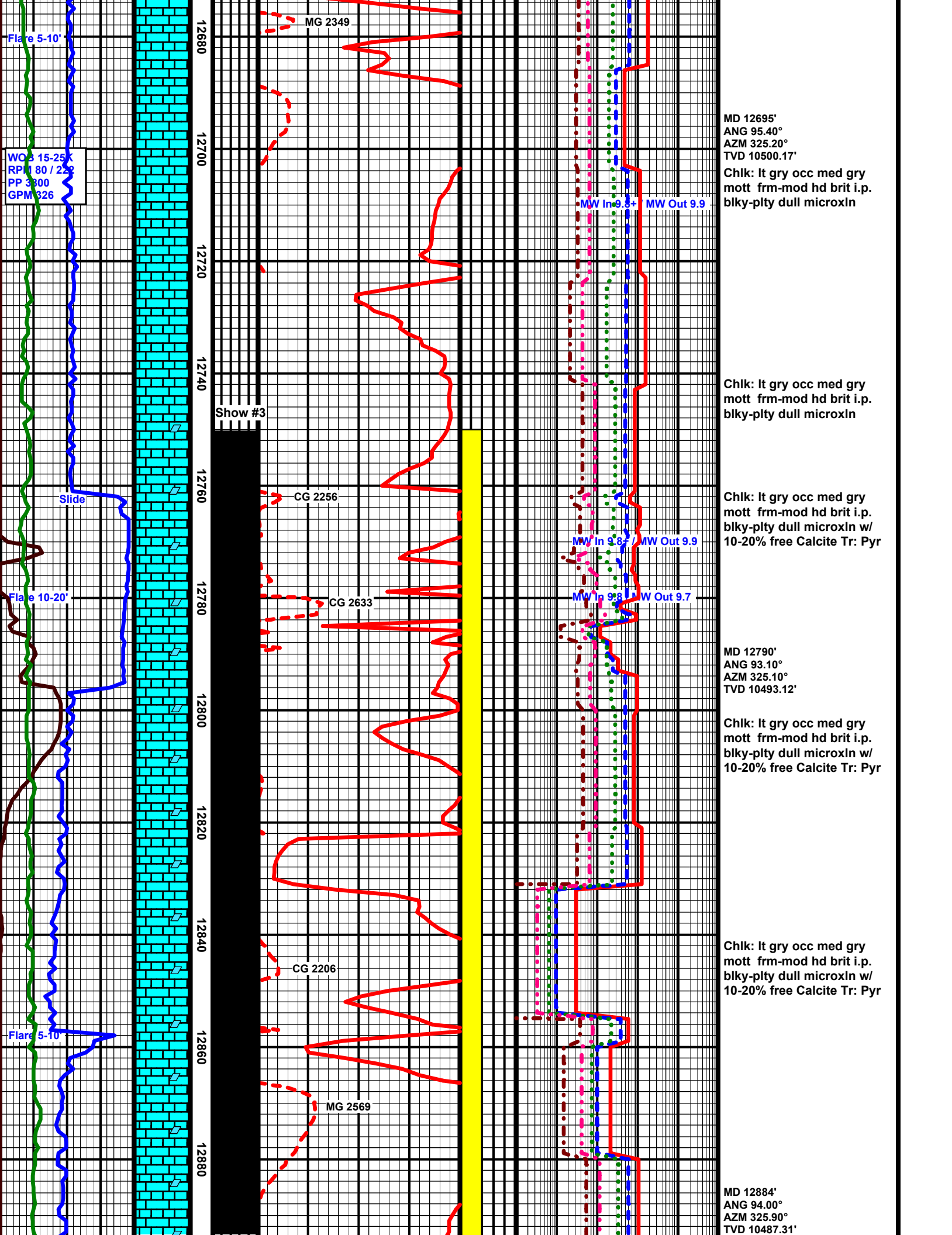
Chlk: lt gry occ med gry
mott frm-mod hd brit i.p.
blky-plty dull microxln
w/>5% free Calcite

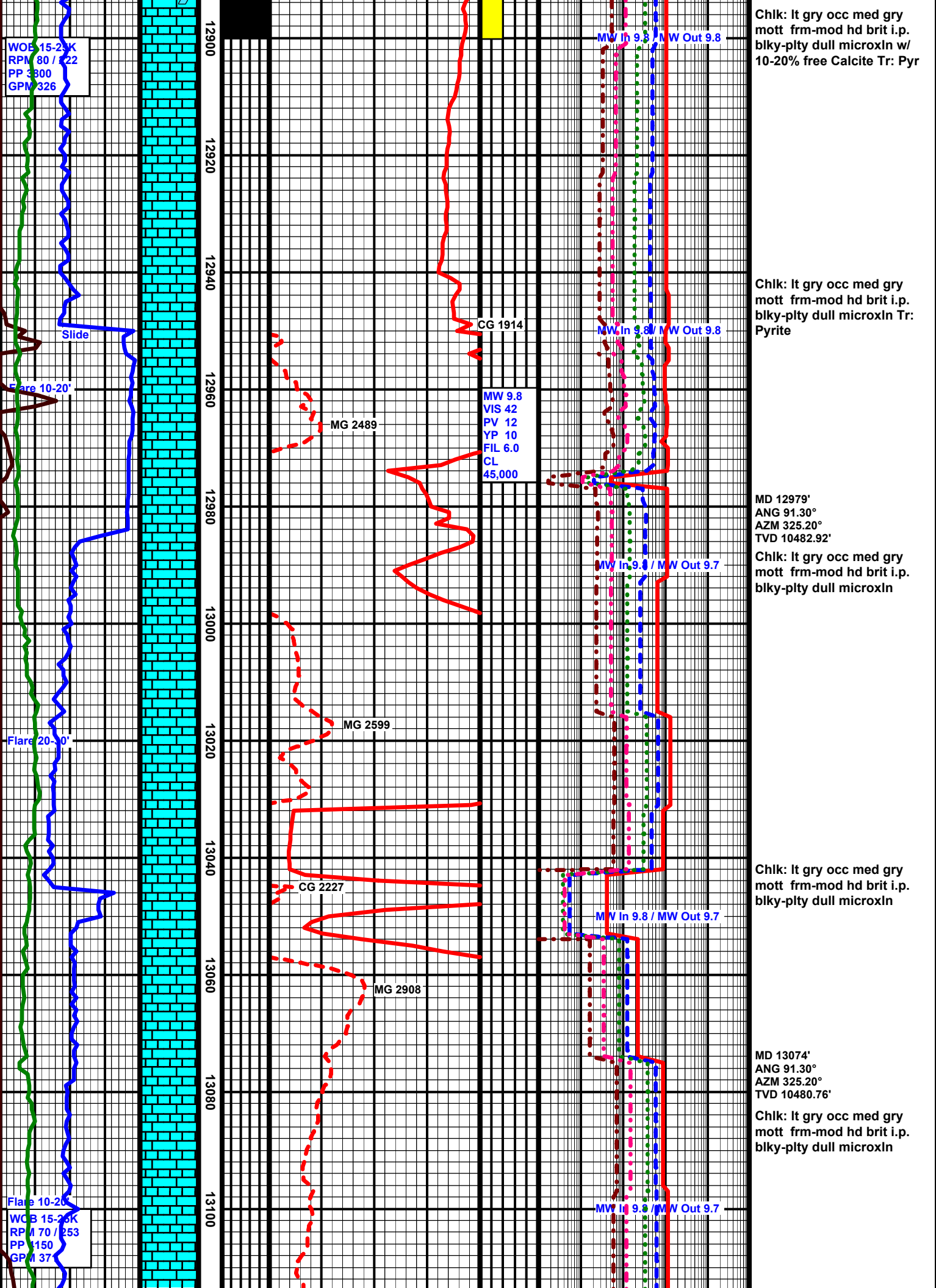
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mott frm-mod hd brit i.p.
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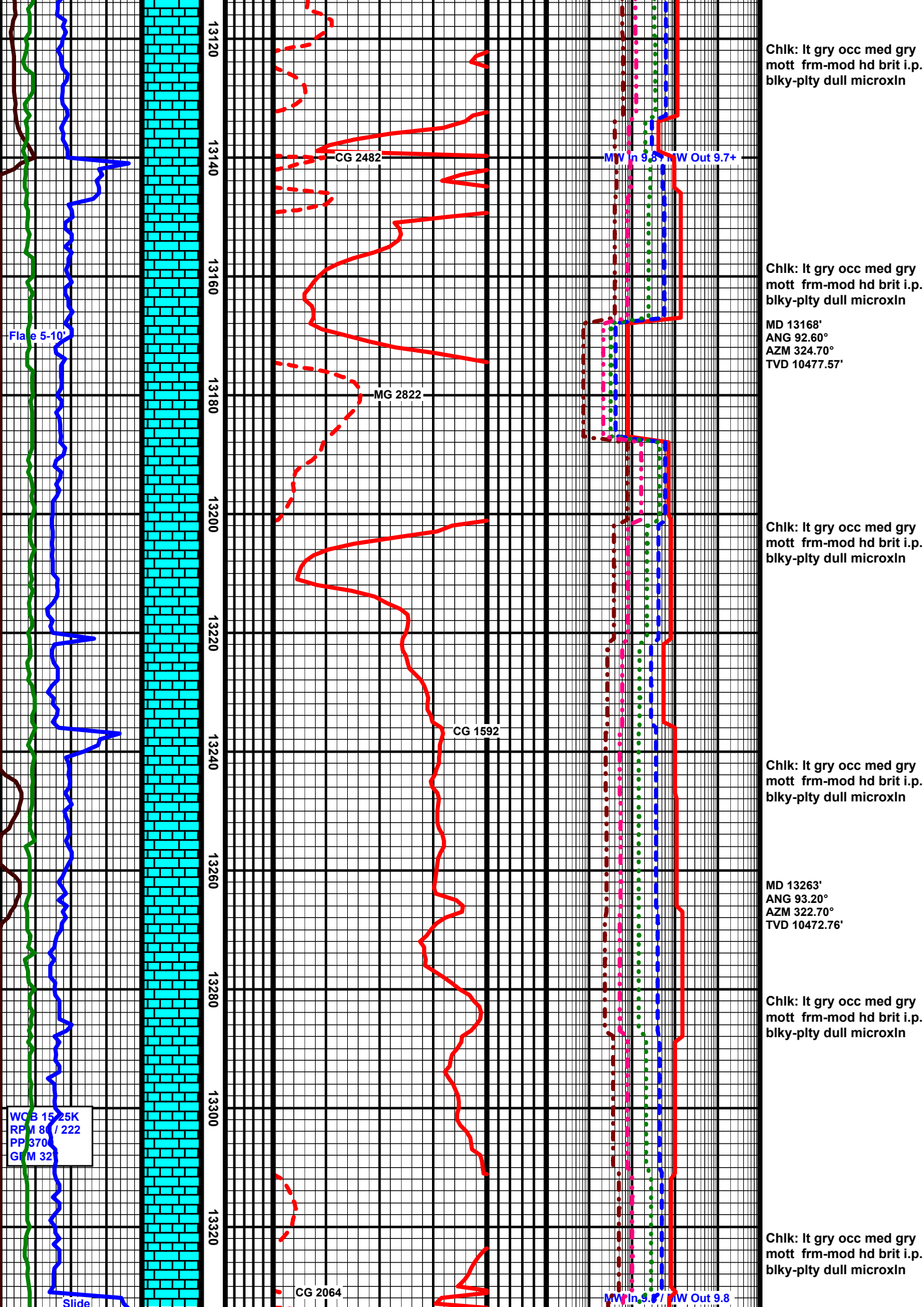
MD 12411'
ANG 94.40°
AZM 325.40°
TVD 10519.00'

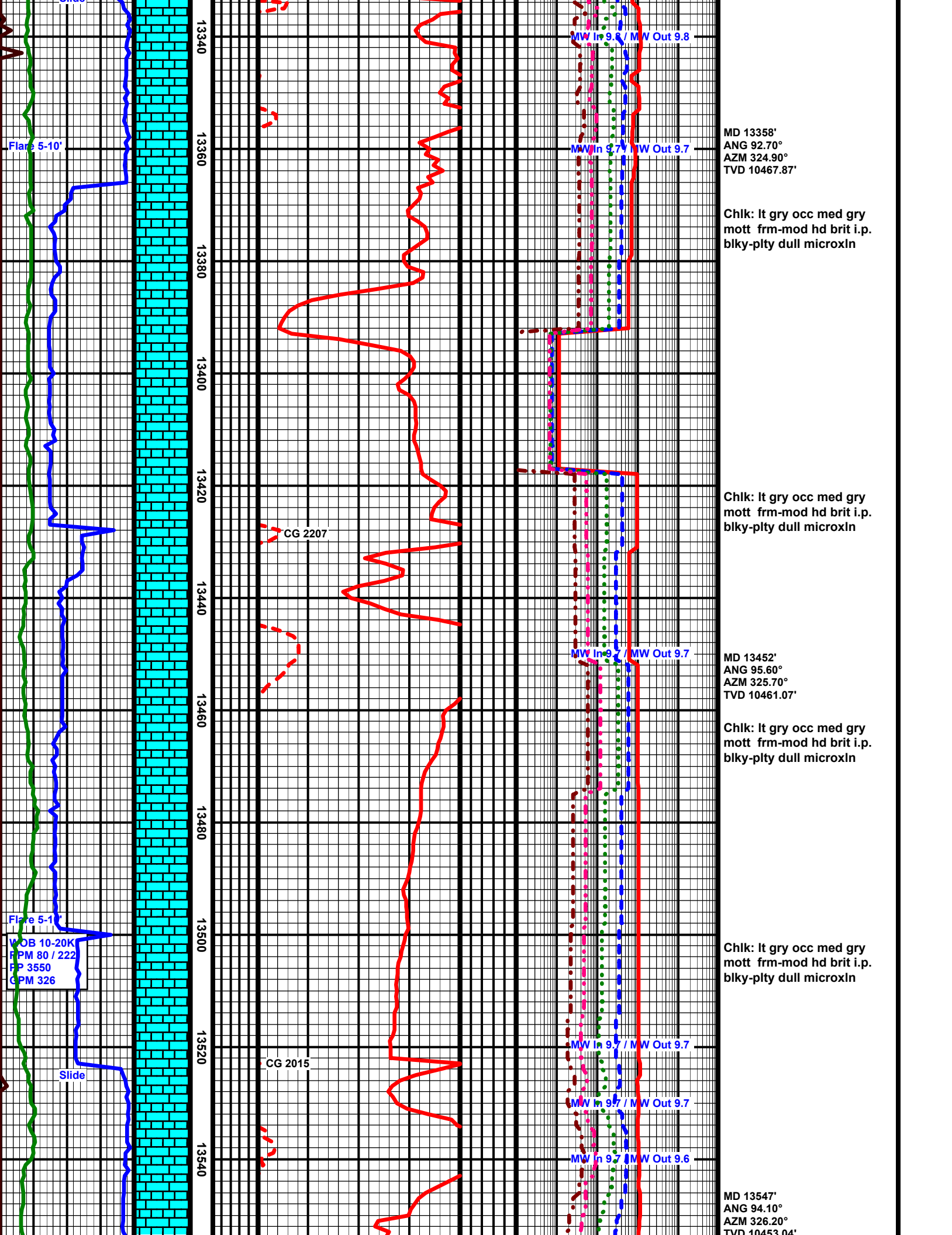
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mott frm-mod hd brit i.p.
blky-plty dull microxln w/Tr
Pyrite

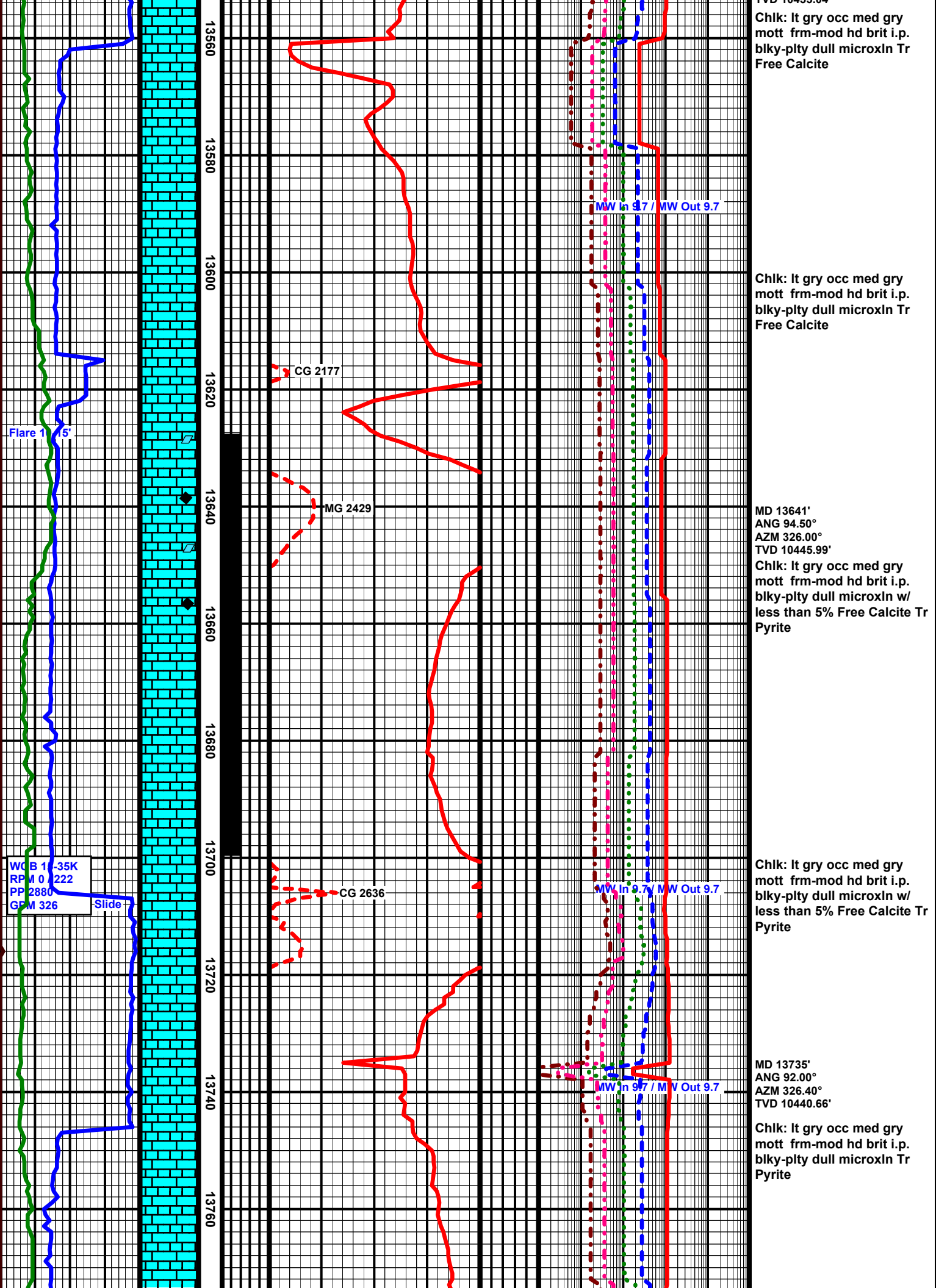












TVD 10433.64
Chlk: lt gry occ med gry
mott frm-mod hd brit i.p.
blky-plty dull microxln Tr
Free Calcite

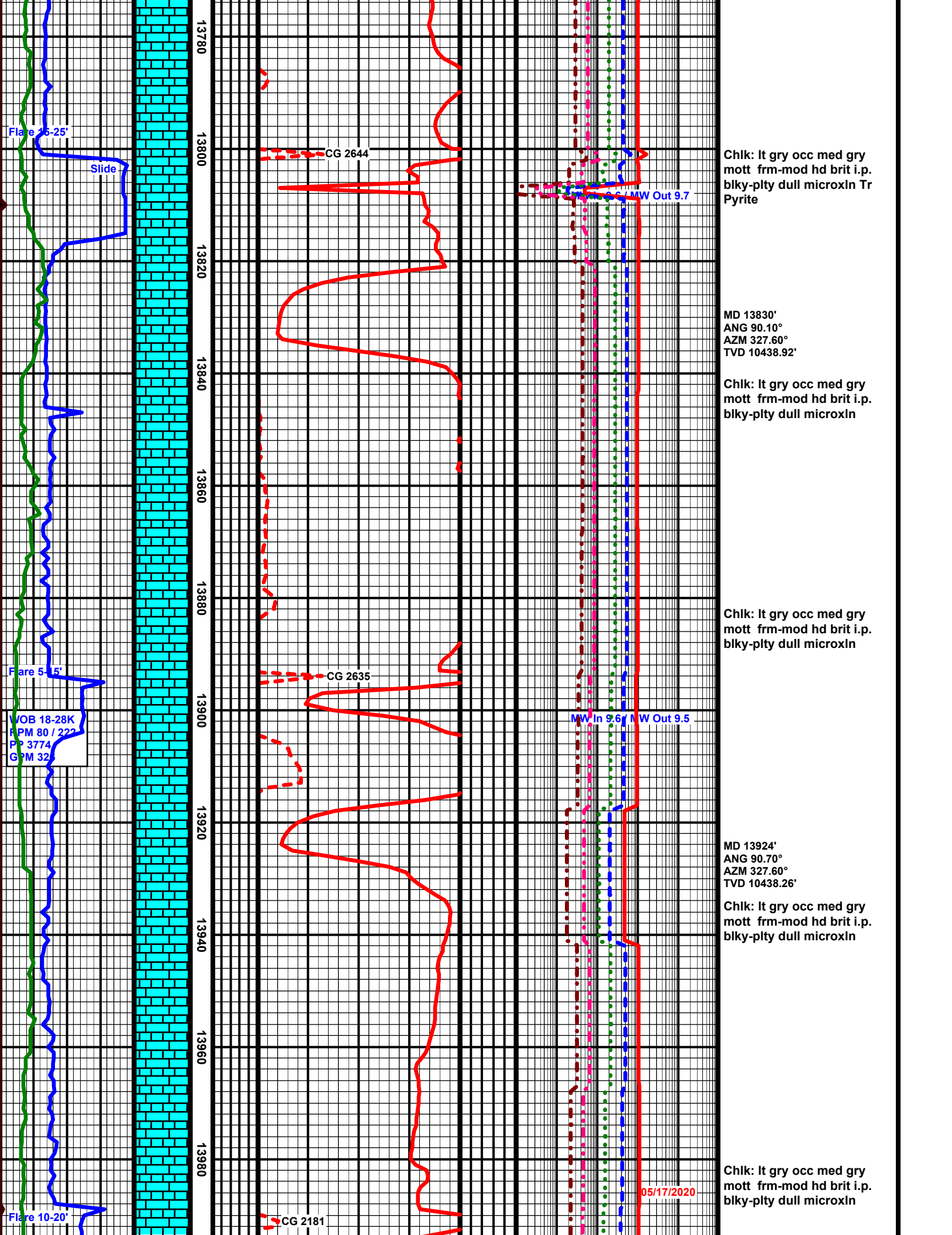
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mott frm-mod hd brit i.p.
blky-plty dull microxln Tr
Free Calcite

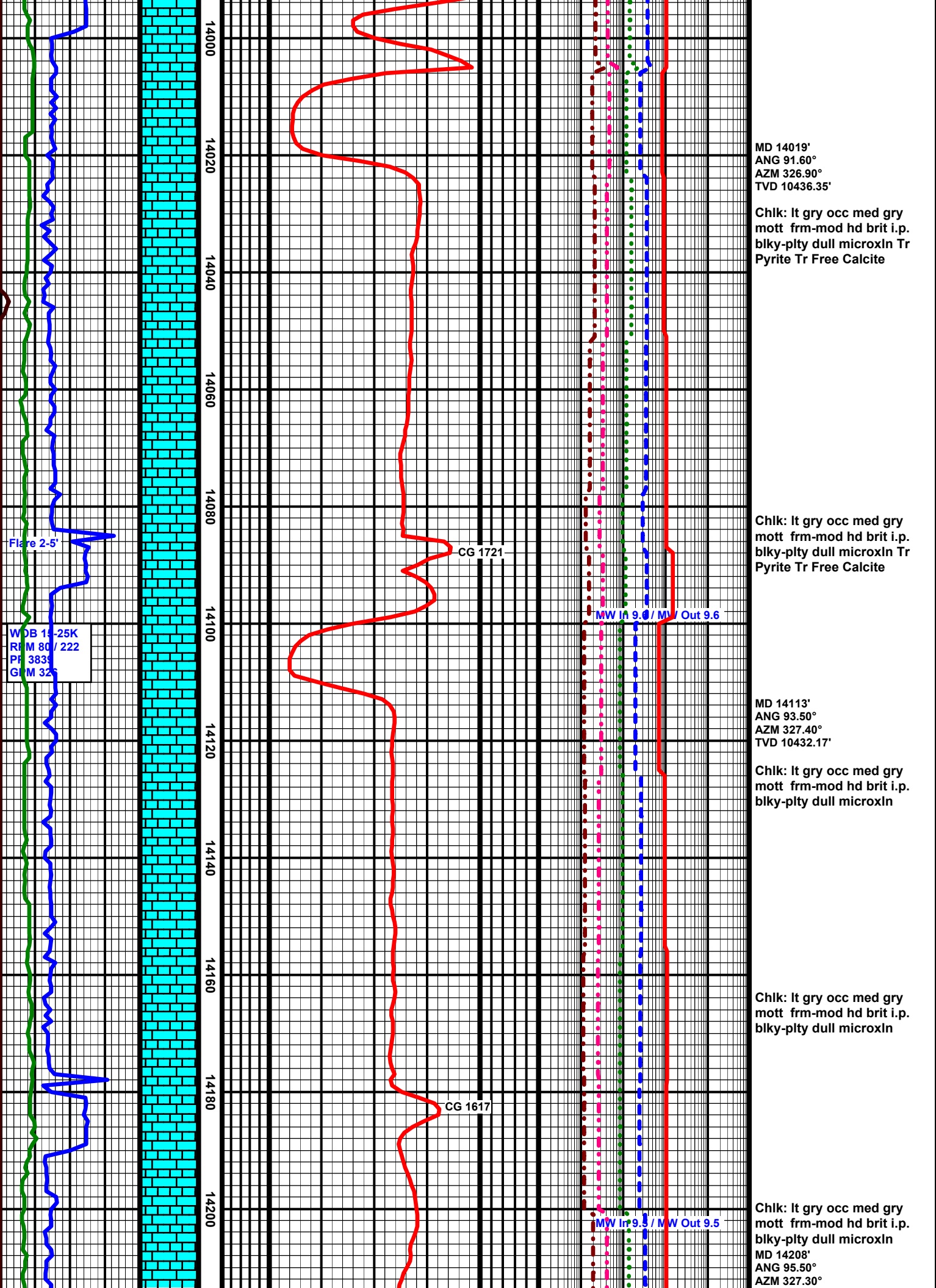
MD 13641'
ANG 94.50°
AZM 326.00°
TVD 10445.99'
Chlk: lt gry occ med gry
mott frm-mod hd brit i.p.
blky-plty dull microxln w/
less than 5% Free Calcite Tr
Pyrite

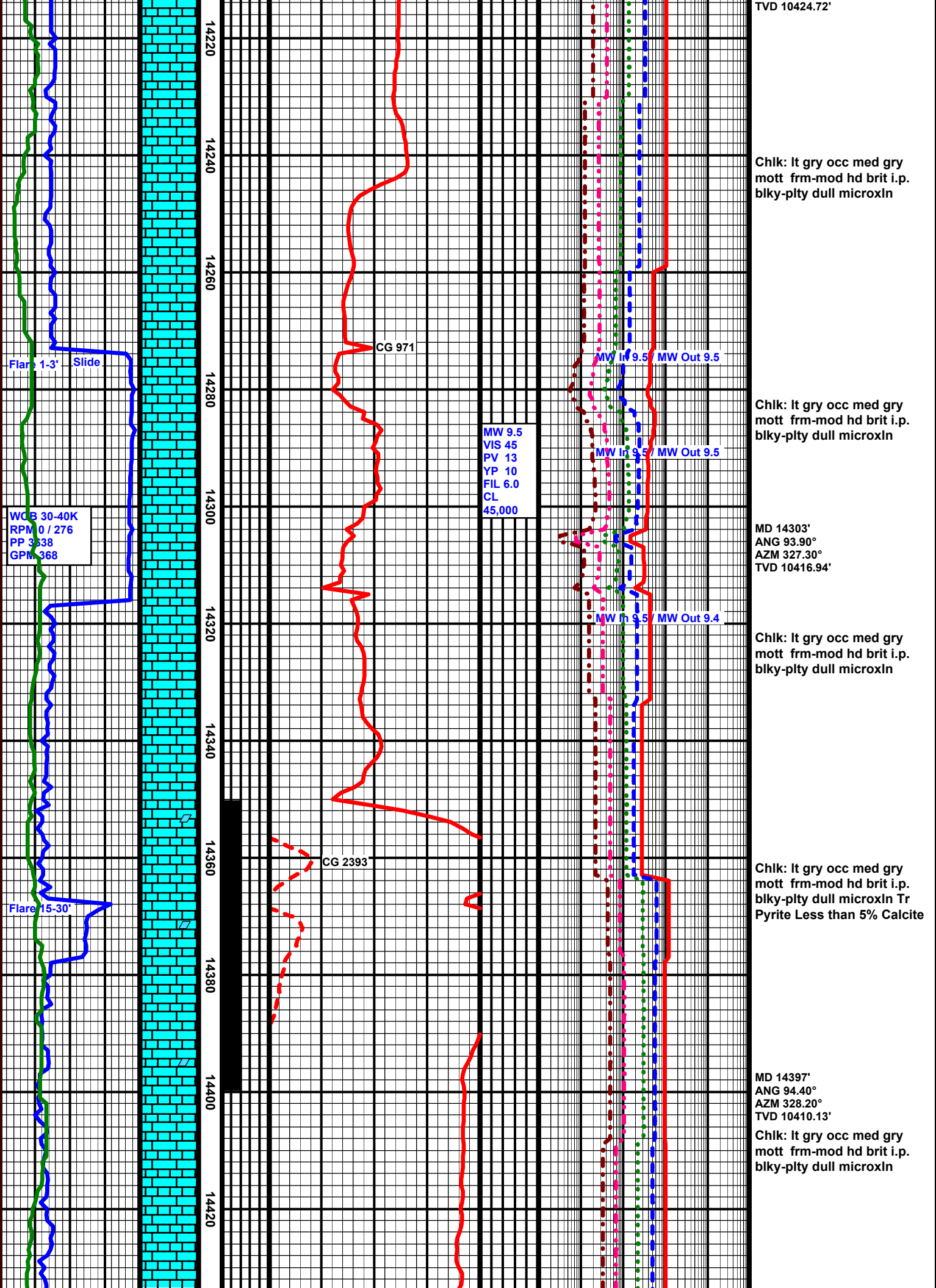
Chlk: lt gry occ med gry
mott frm-mod hd brit i.p.
blky-plty dull microxln w/
less than 5% Free Calcite Tr
Pyrite

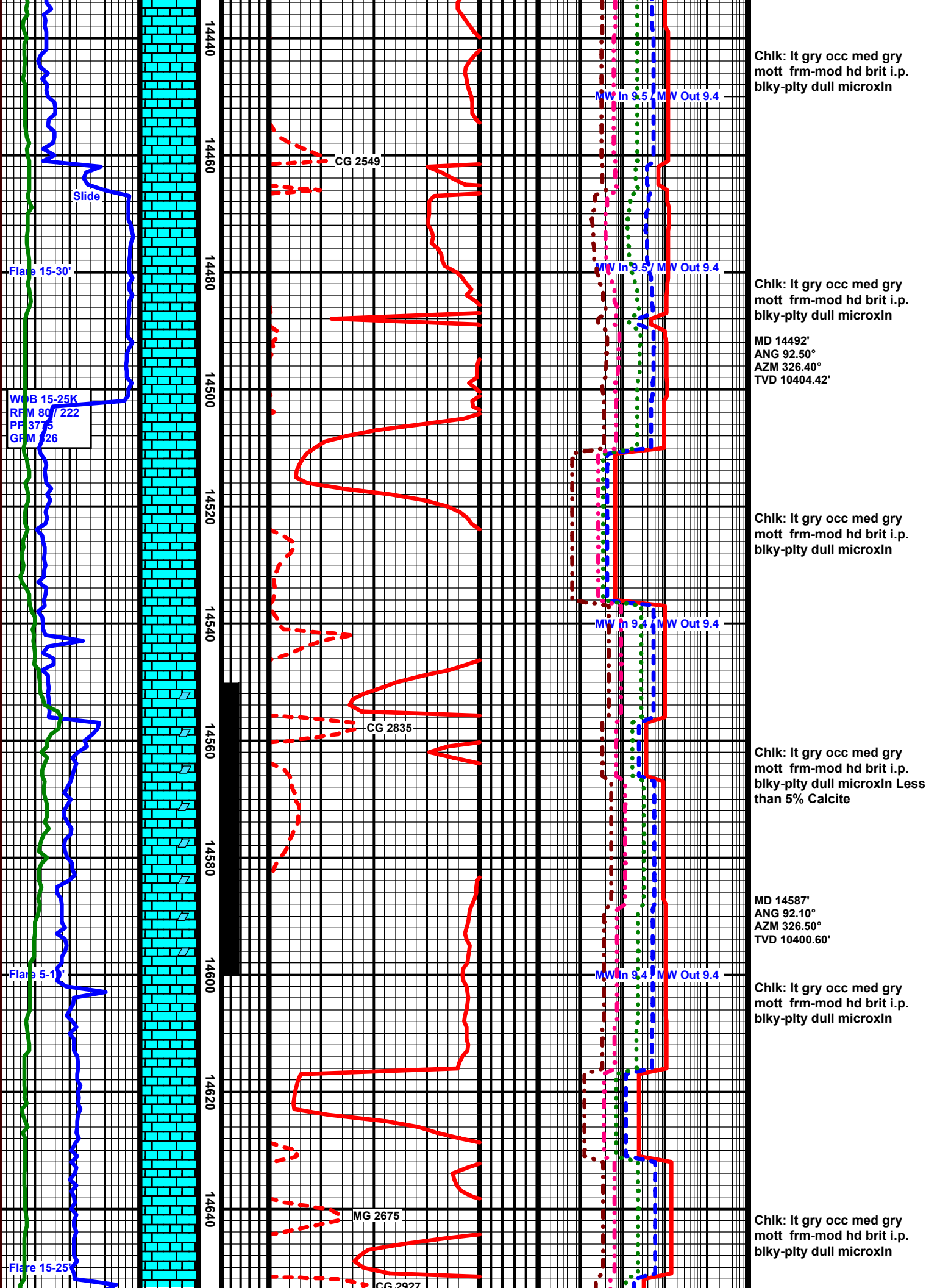
MD 13735'
ANG 92.00°
AZM 326.40°
TVD 10440.66'

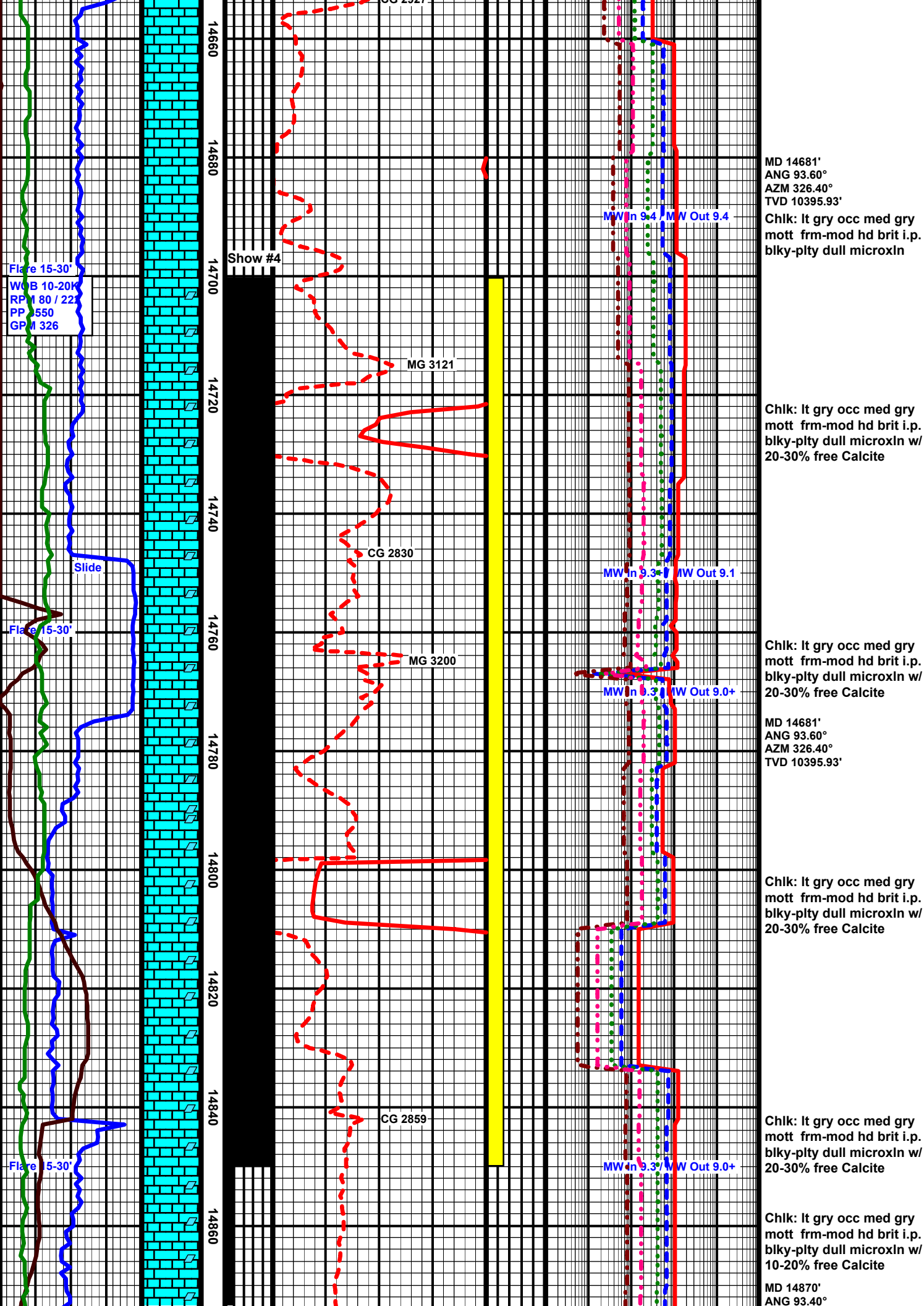
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mott frm-mod hd brit i.p.
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Pyrite

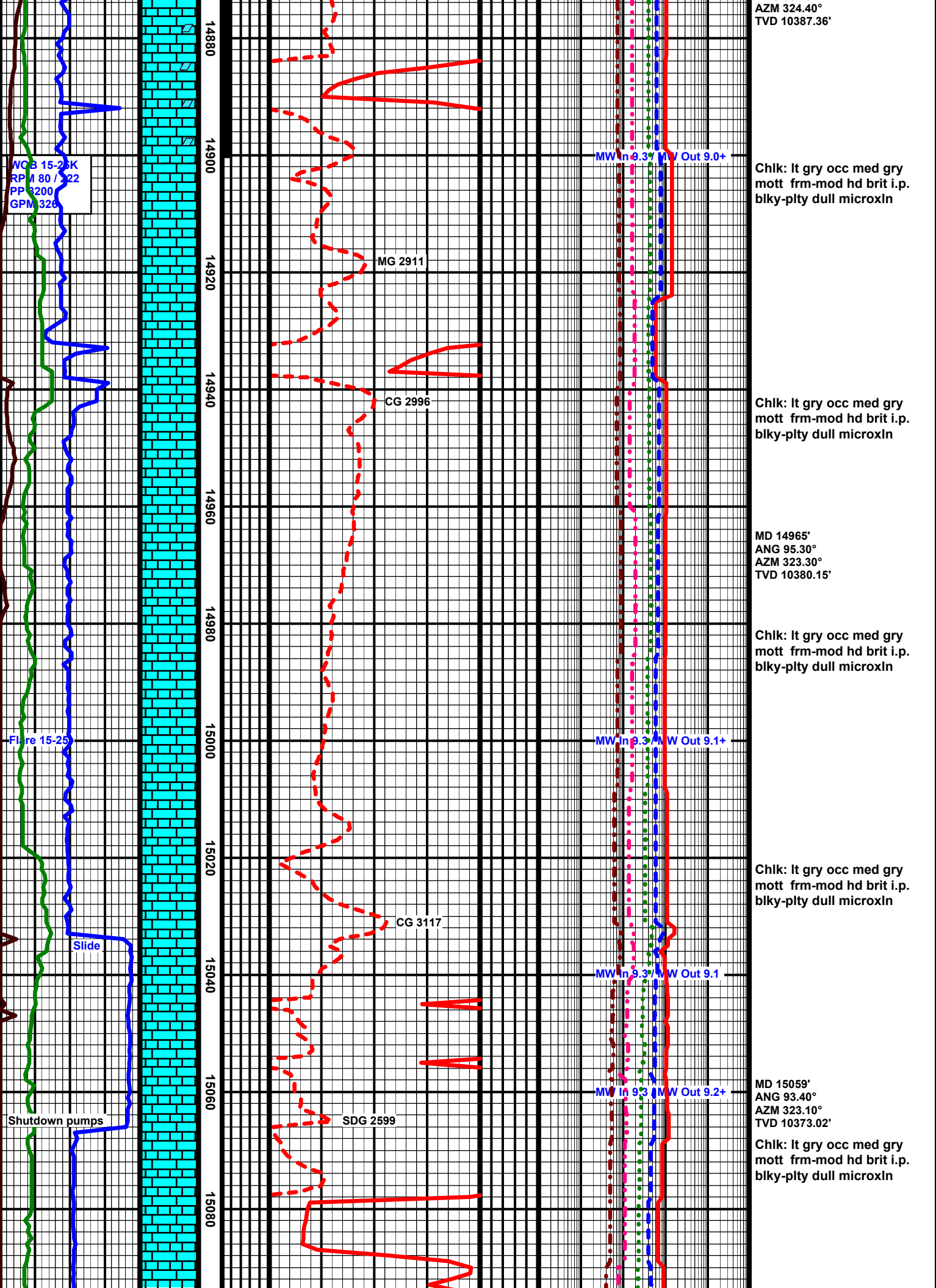












AZM 324.40°
TVD 10387.36'

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

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

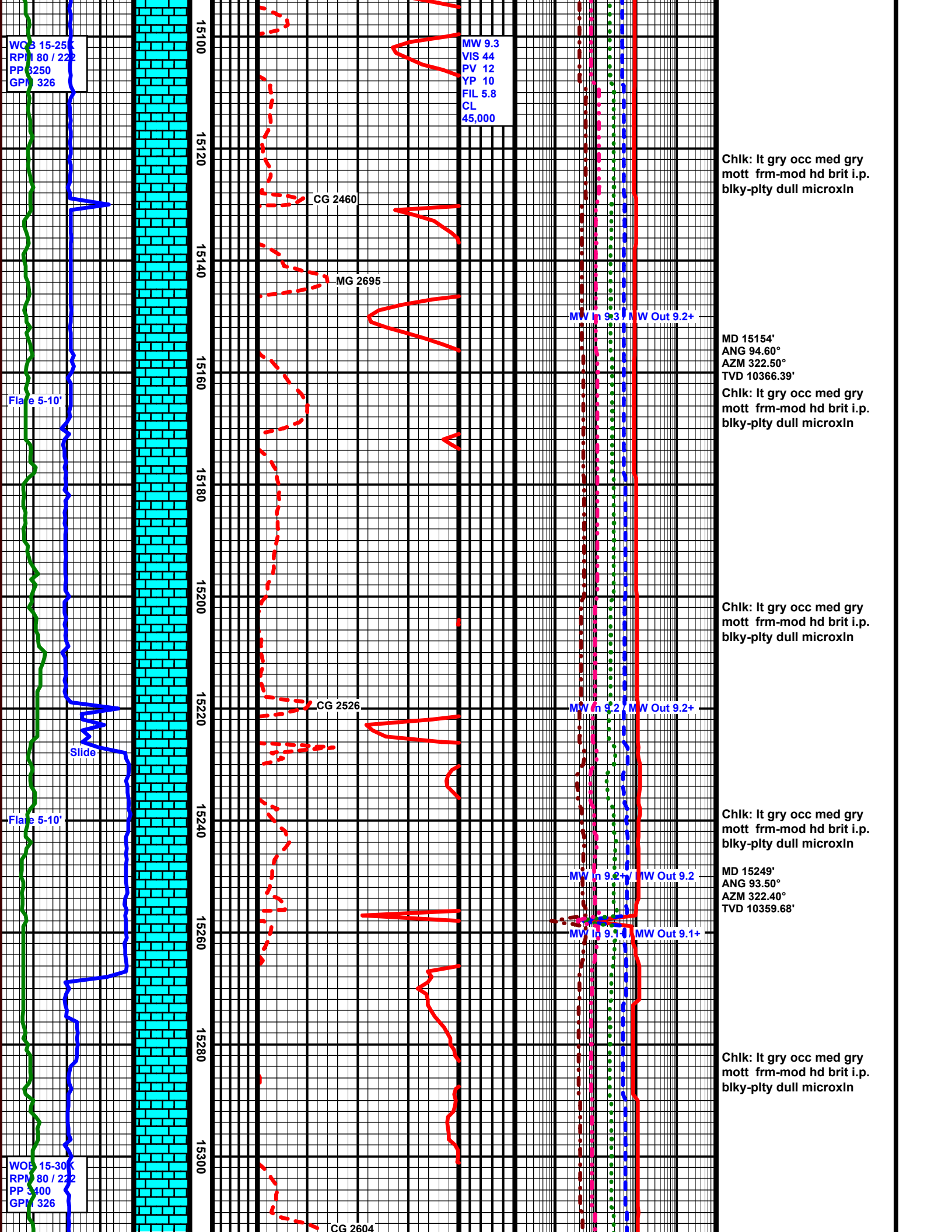
MD 14965'
ANG 95.30°
AZM 323.30°
TVD 10380.15'

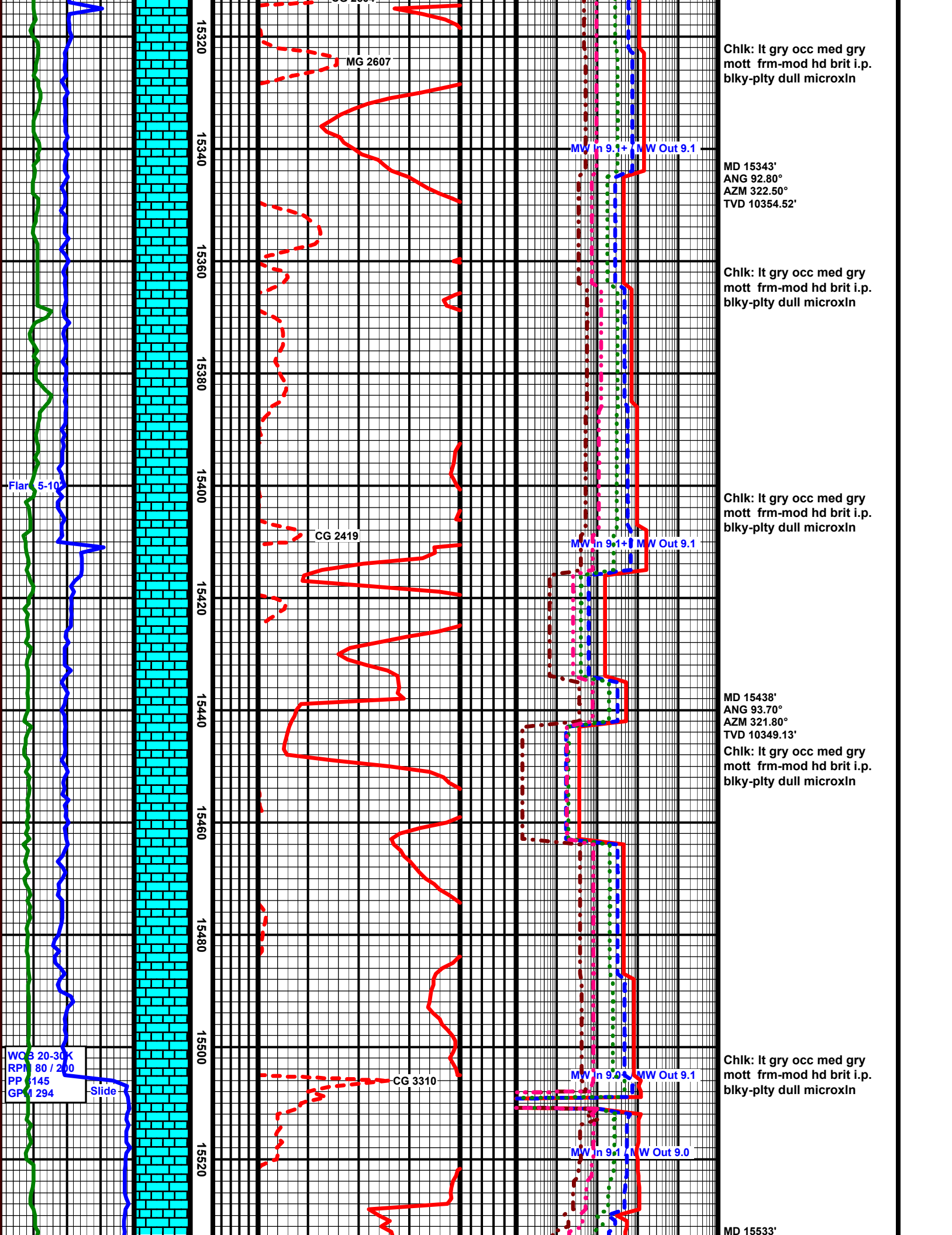
Chlk: lt gry occ med gry
mott frm-mod hd brit i.p.
blkly-plty dull microxln

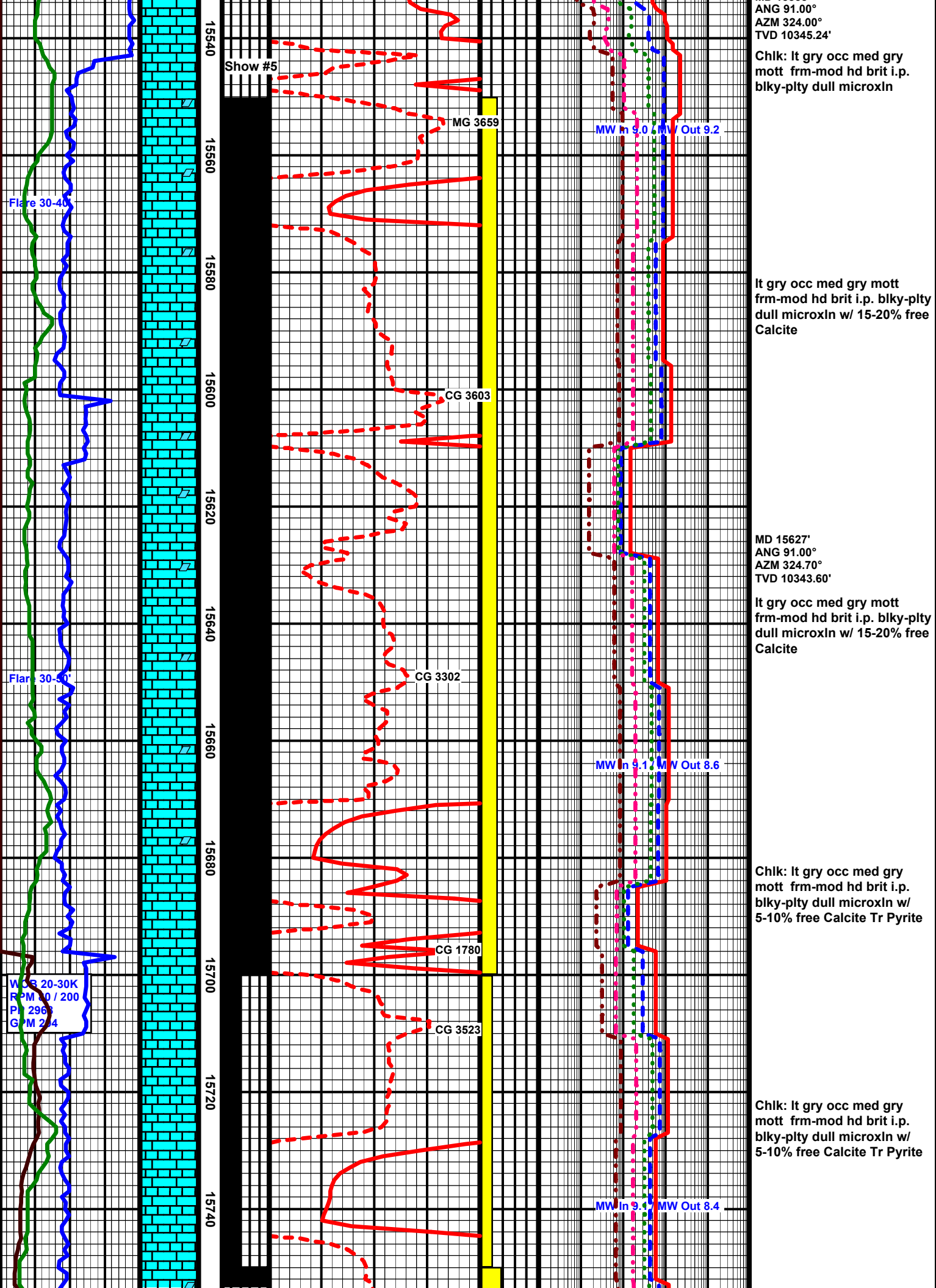
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mott frm-mod hd brit i.p.
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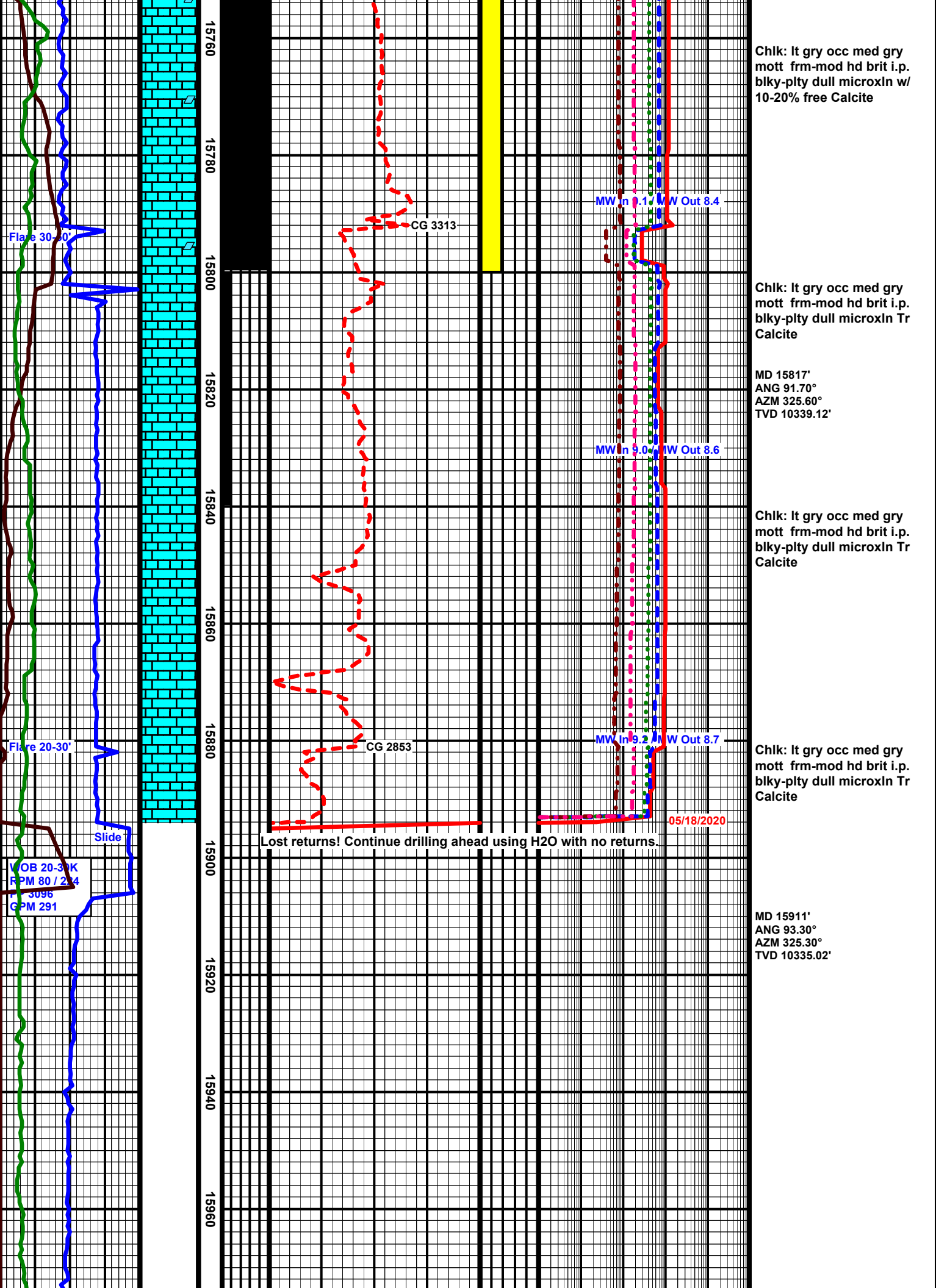
MD 15059'
ANG 93.40°
AZM 323.10°
TVD 10373.02'

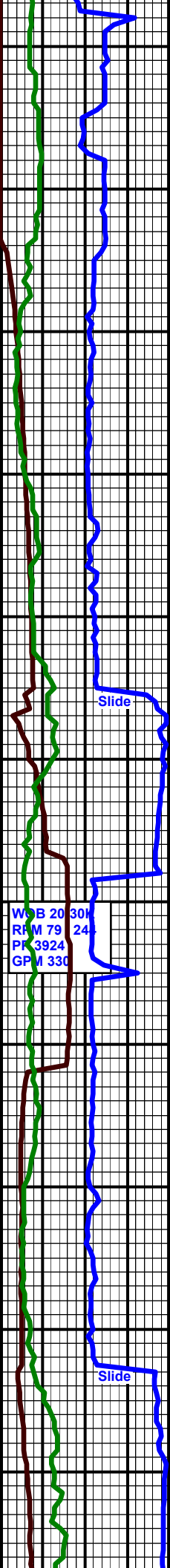
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blkly-plty dull microxln







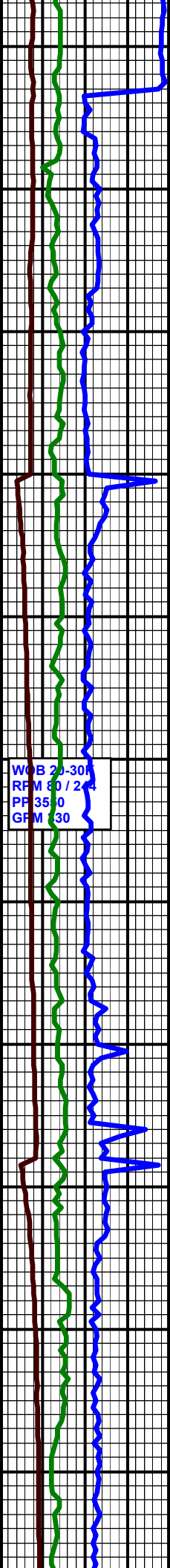




Drill W/ No Returns

MD 16006'
ANG 96.00°
AZM 325.60°
TVD 10327.32'

MD 16101'
ANG 95.50°
AZM 326.40°
TVD 10317.80'



Drill W/ No Returns

Drill W/ No Returns

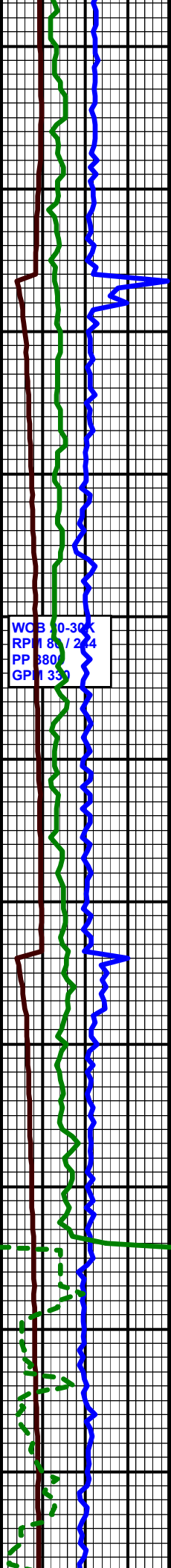
Drill W/ No Returns

MD 16195'
ANG 93.10°
AZM 326.90°
TVD 10310.75'

MD 16290'
ANG 93.60°
AZM 328.00°
TVD 10305.20'

MD 16385'
ANG 93.50°
AZM 327.30°
TVD 10299.32'

WOB 20-30
RPM 80 / 24
PP 35.0
GPM 130



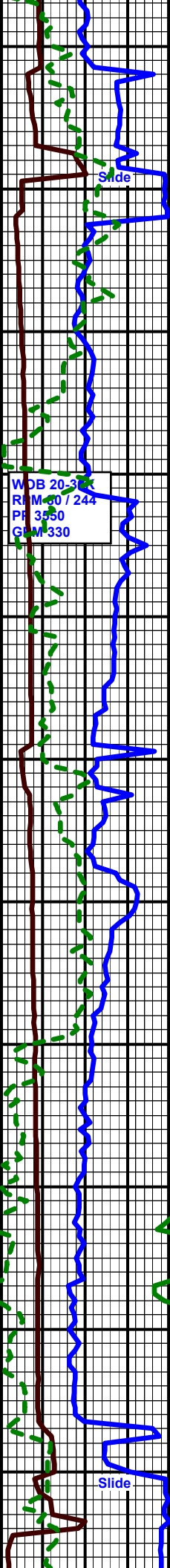
WOB 10-30 K
RPM 80 / 244
PP 380
GPM 33

Drill W/ No Returns

Drill W/ No Returns

MD 16479'
ANG 93.30°
AZM 326.80°
TVD 10293.75'

MD 16574'
ANG 93.60°
AZM 327.80°
TVD 10288.03'



16640 16660 16680 16700 16720 16740 16760 16780 16800 16820 16840

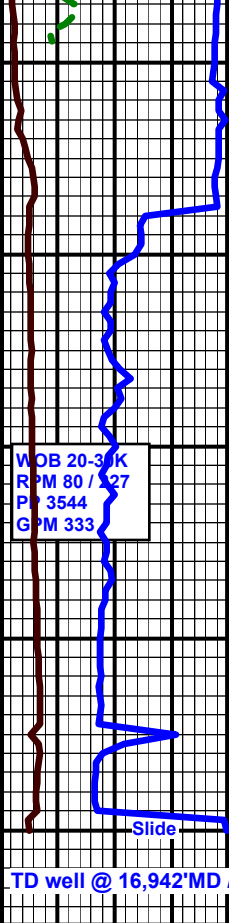
Drill W/ No Returns

Drill W/ No Returns

MD 16669'
ANG 93.00°
AZM 332.00°
TVD 10282.56'

MD 16763'
ANG 93.10°
AZM 330.90°
TVD 10277.56'

MD 16858'
ANG 93.20°
AZM 330.60°
TVD 10272.34'



Gamma	
0	API 150
Casing Press.	
0	PSI 1000
ROP	
400	Ft/Hr 0
ROP	

Lith

Frac.
0 % 10 0
Frac.

Total Gas	
0	Units 2000
Gas	

Fluor

N-Butane	
100	PPM 100000
I-Butane	
100	PPM 100000
Propane	
100	PPM 100000
Ethane	
100	PPM 100000
Methane	
100	PPM 100000
Chromatograph	

Remarks
