



# ONE INCH ROP-MD

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

COMPANY	Magnolia Oil & Gas	RIG	248
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'

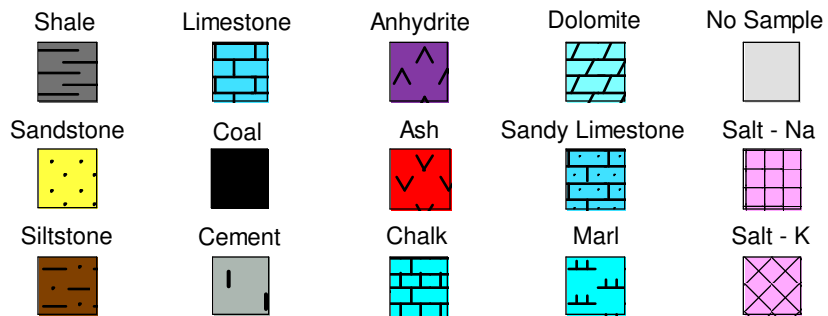
## CASING RECORD

**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**

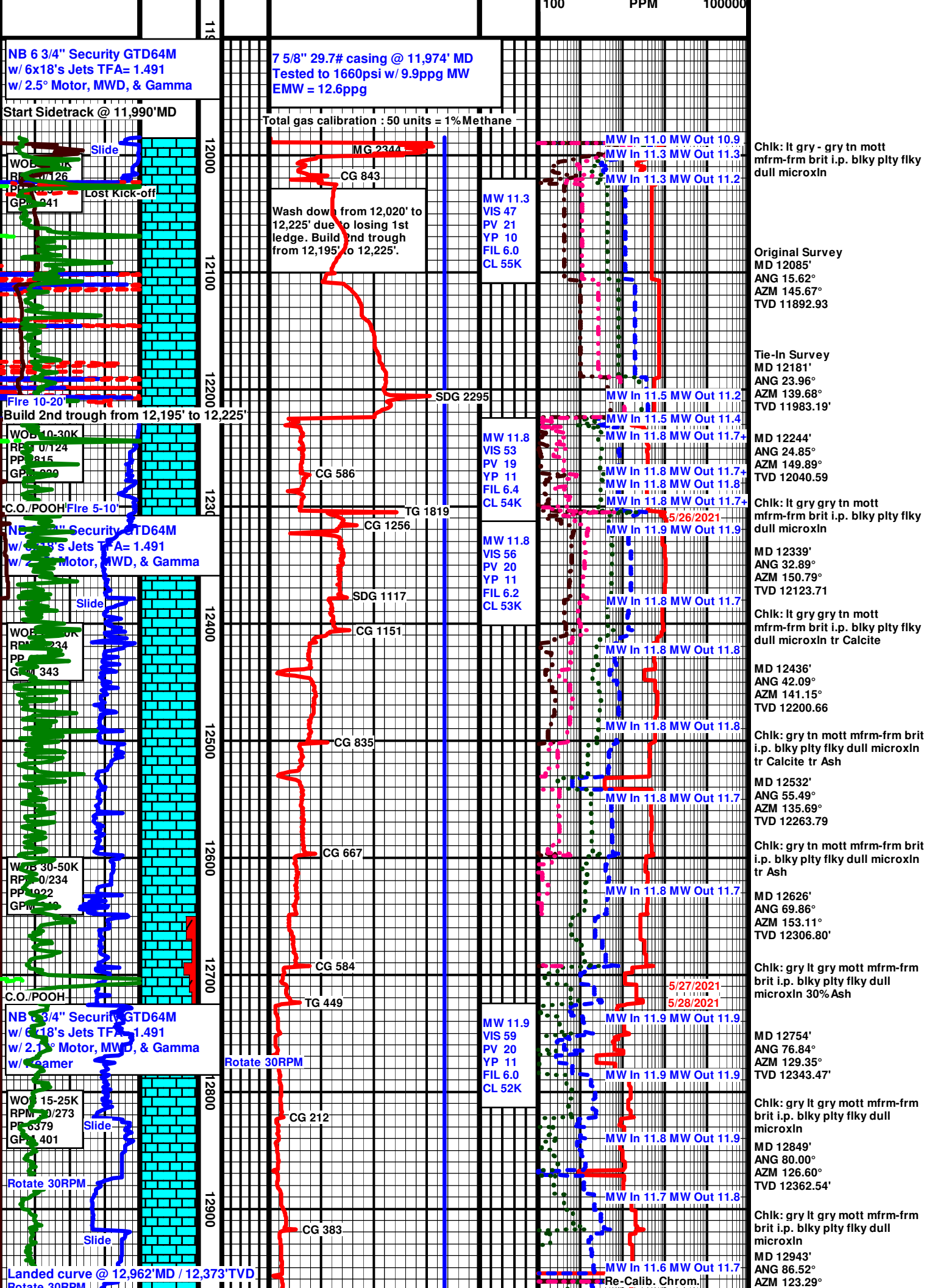
Company	Magnolia Oil & Gas
Well	Rainier 1H ST01
Location	Lee County
Supervisor	LJ Dufrene
Unit	LR05

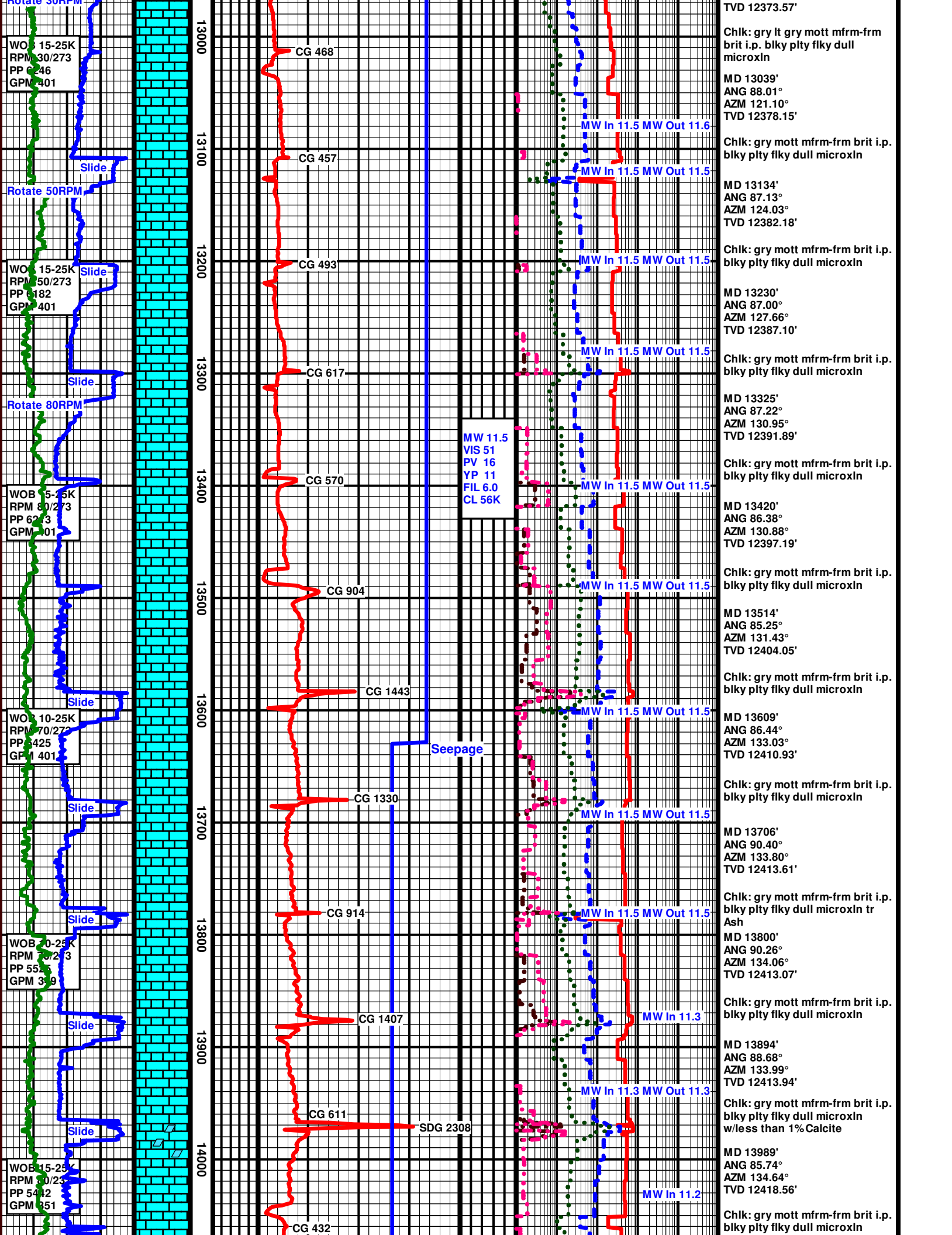


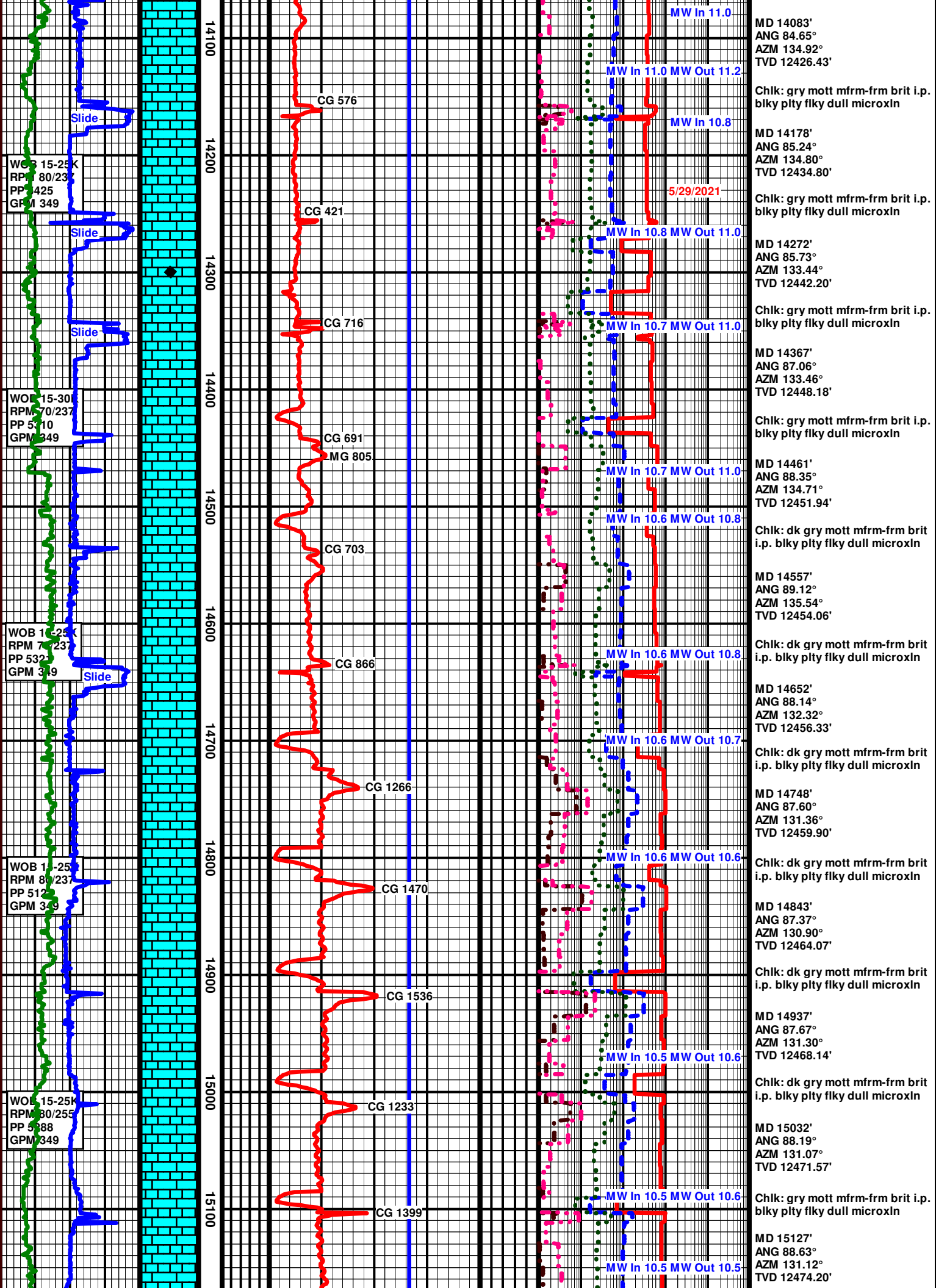
**SHOWS HAVE THE FOLLOWING SIGNIFIGANCE**

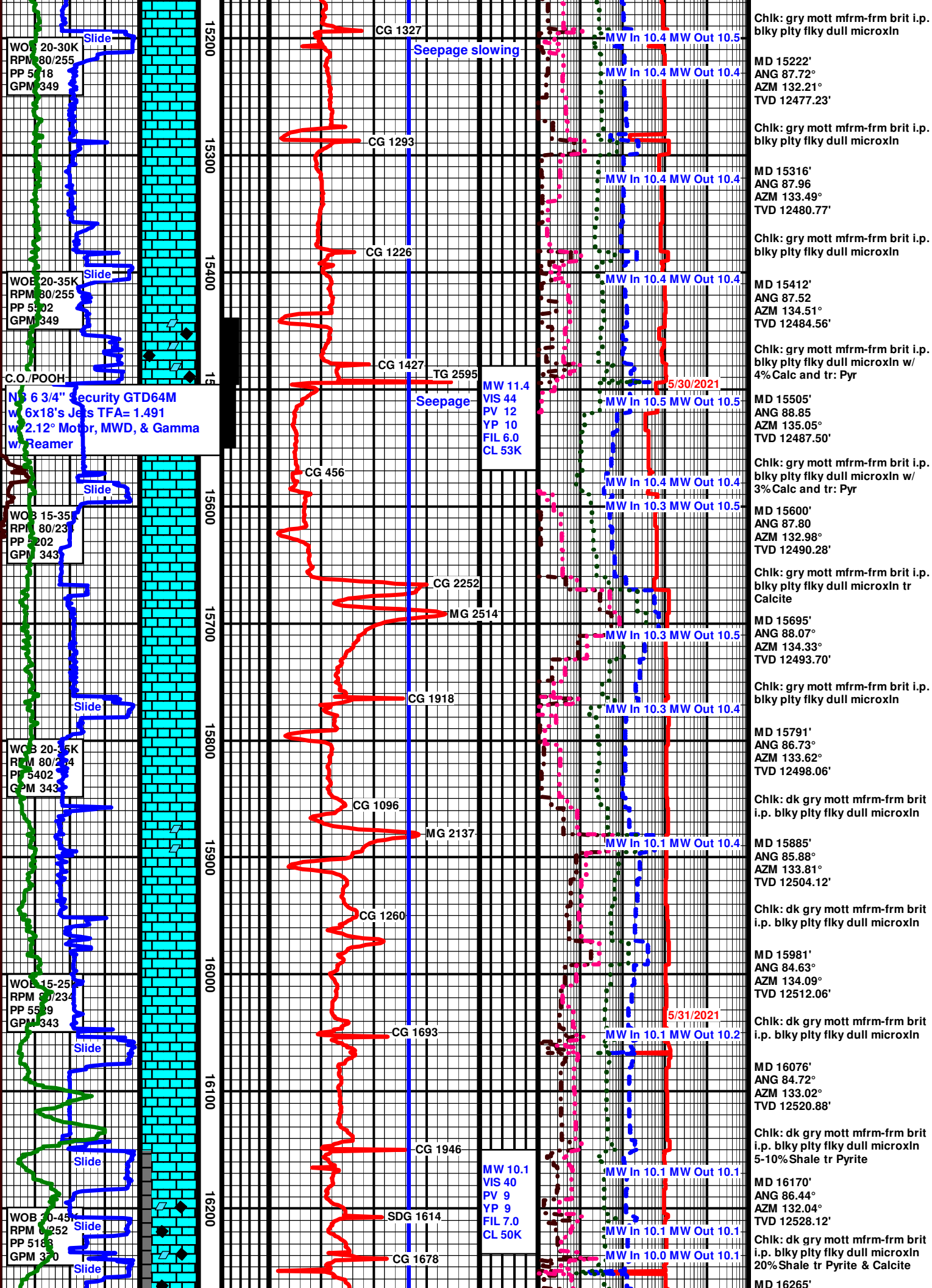
T - TRACE [ZONE OF INTEREST]	NDB - NEW DIAMOND BIT	UDB - USED DIAMOND BIT	CG - CONNECTION GAS
P - POOR SHOW PROBABLY NOT PRODUCTIVE	NB - NEW BIT	CO - CIRCULATING OUT	NR - NO RETURNS
F - FAIR SHOW POSSIBLY PRODUCTIVE	TG - TRIP GAS	LAT - LOGGED AFTER TRIP	DS - DIRECTIONAL SURVEY
G - GOOD SHOW PROBABLY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

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

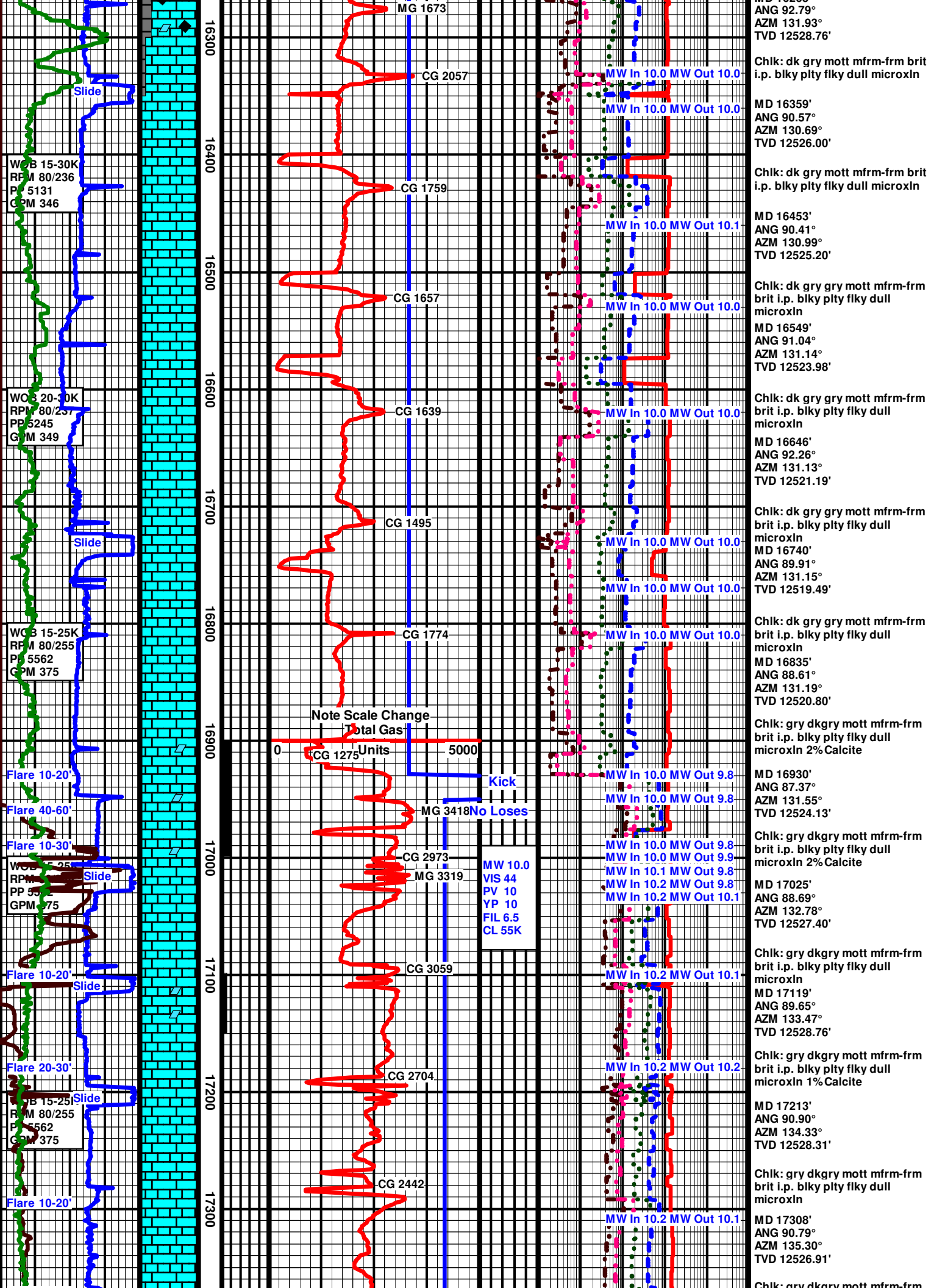


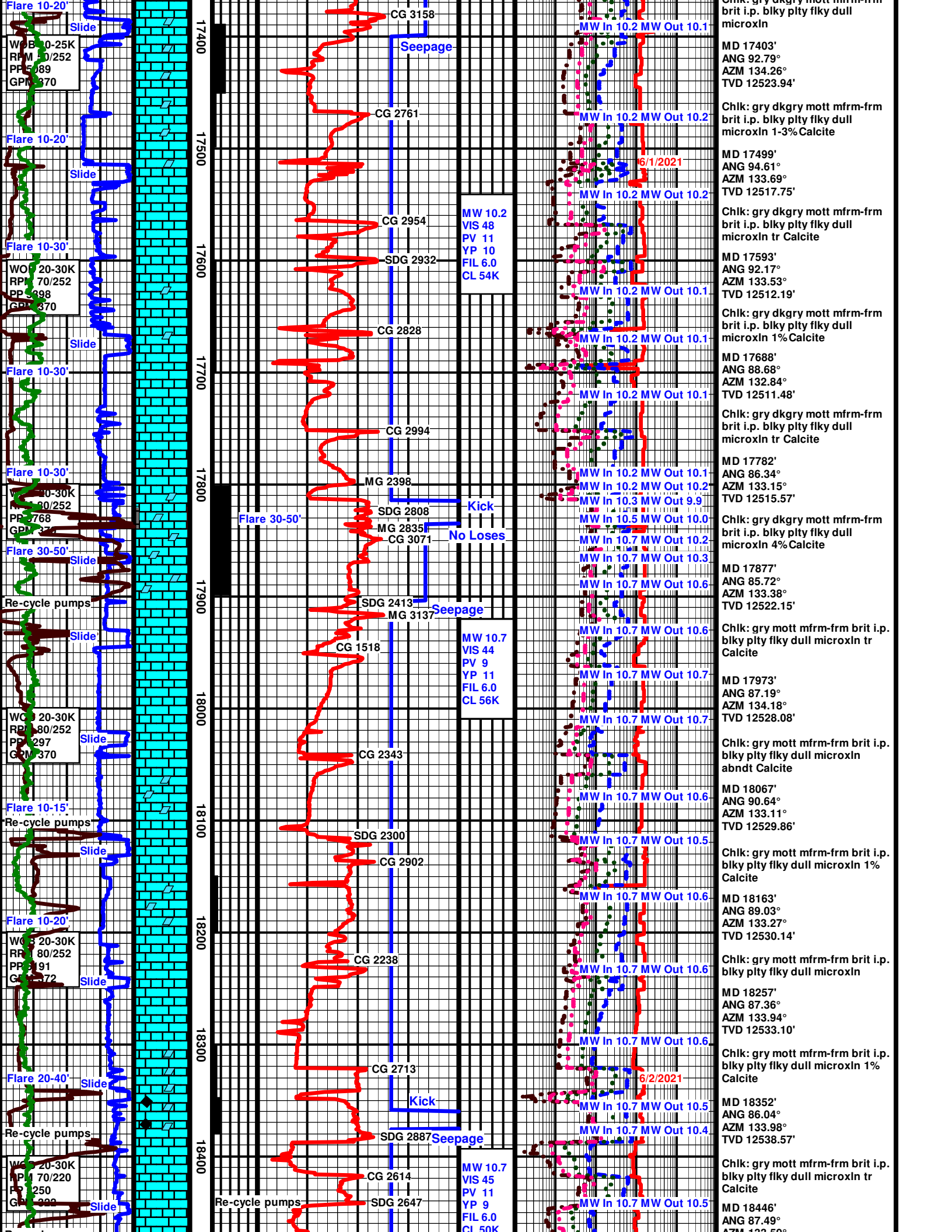


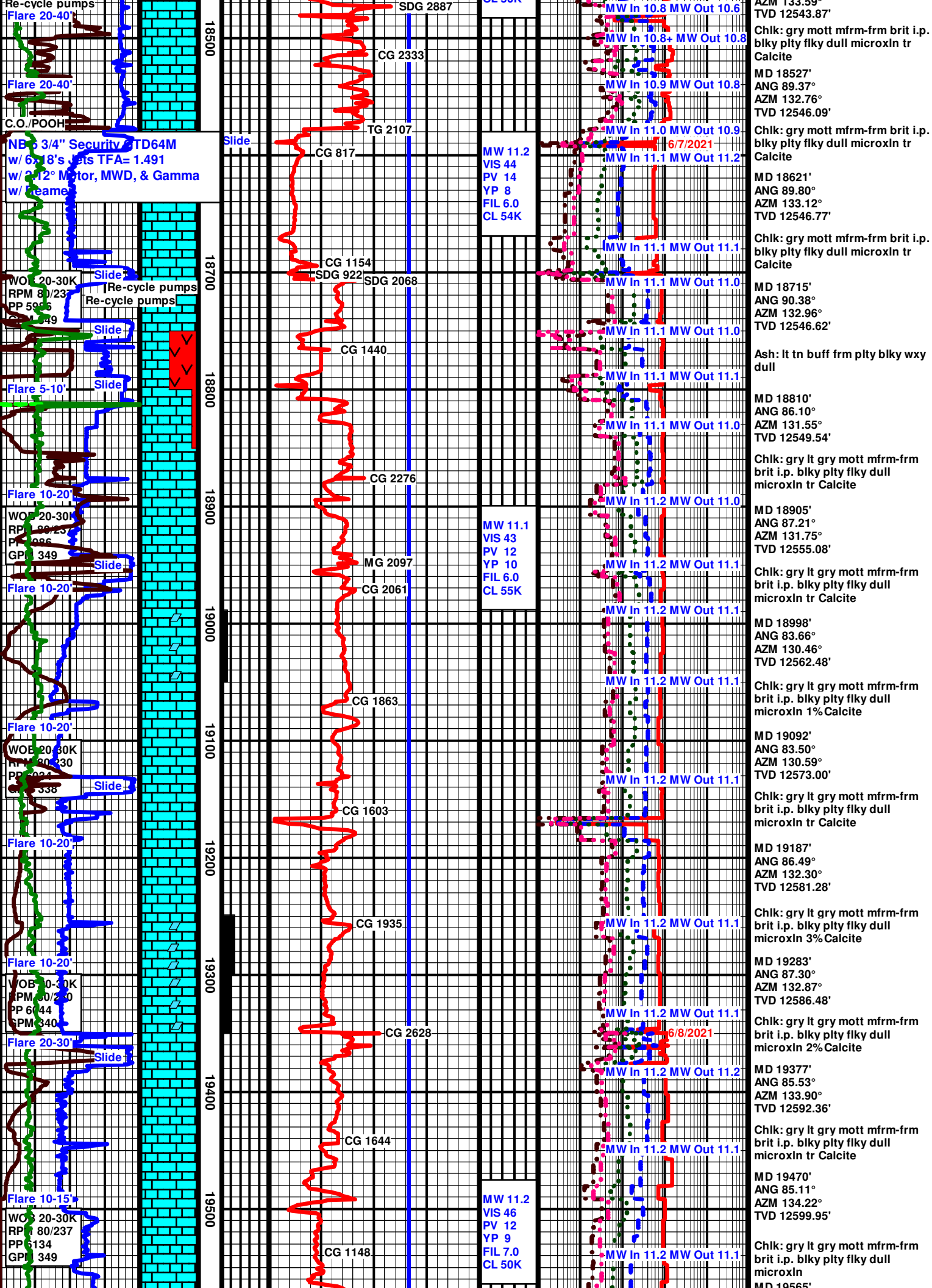




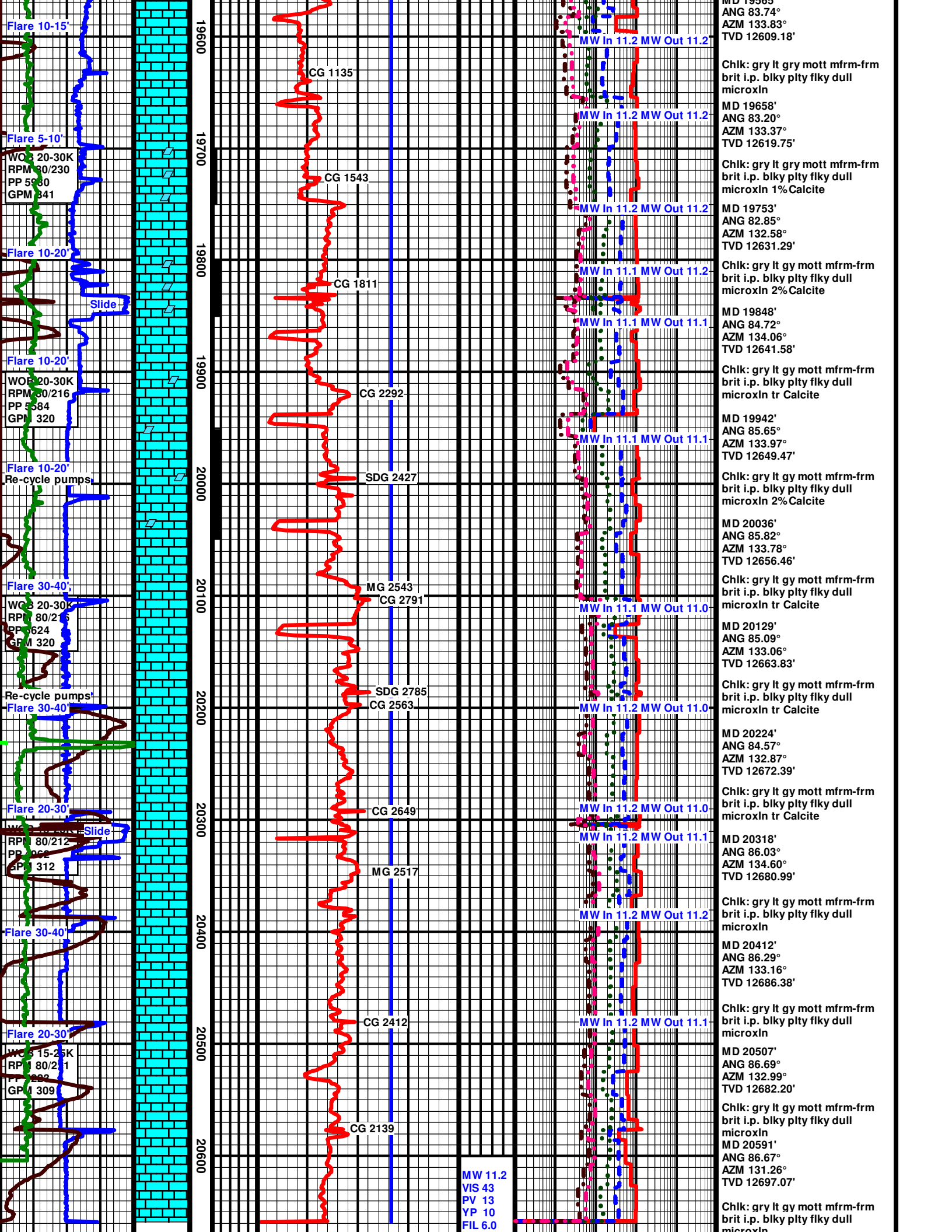












<div><div>Gamma</div><div>0 API 150</div></div> <div><div>Casing Pressure</div><div>0 PSI 1000</div></div> <div><div>ROP</div><div>400 Ft/Hr 0</div></div>			<div><div>Kick/Loss</div><div>-5 1</div></div> <div><div>Total Gas</div><div>0 Units 5000</div></div>			<div><div>N Butane</div><div>100 PPM 100000</div></div> <div><div>I Butane</div><div>100 PPM 100000</div></div> <div><div>Propane</div><div>100 PPM 100000</div></div> <div><div>Ethane</div><div>100 PPM 100000</div></div> <div><div>Methane</div><div>100 PPM 100000</div></div>				
ROP	Lith		Frac.	Gas	Fluor	Chromatograph		Remarks		