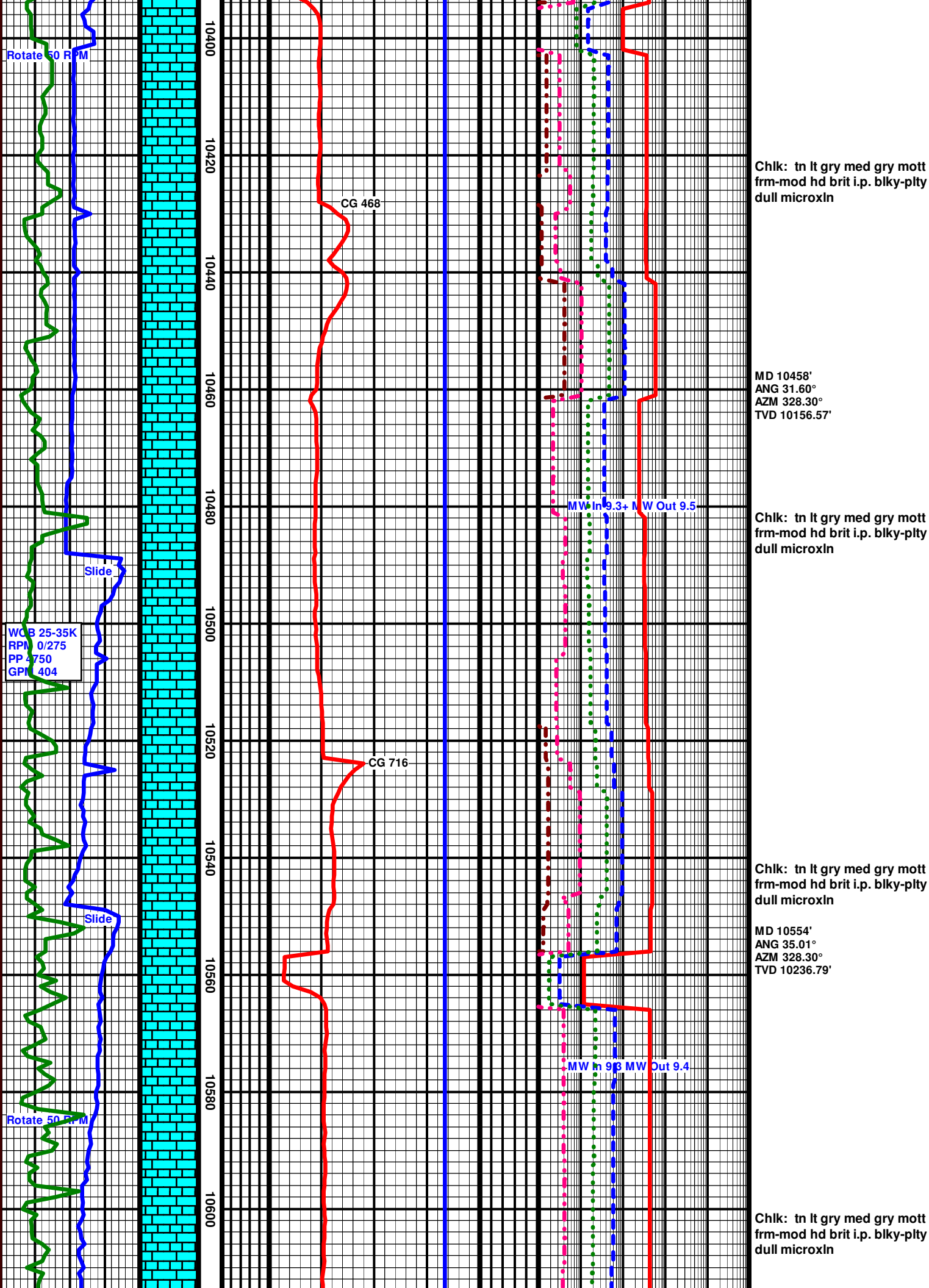
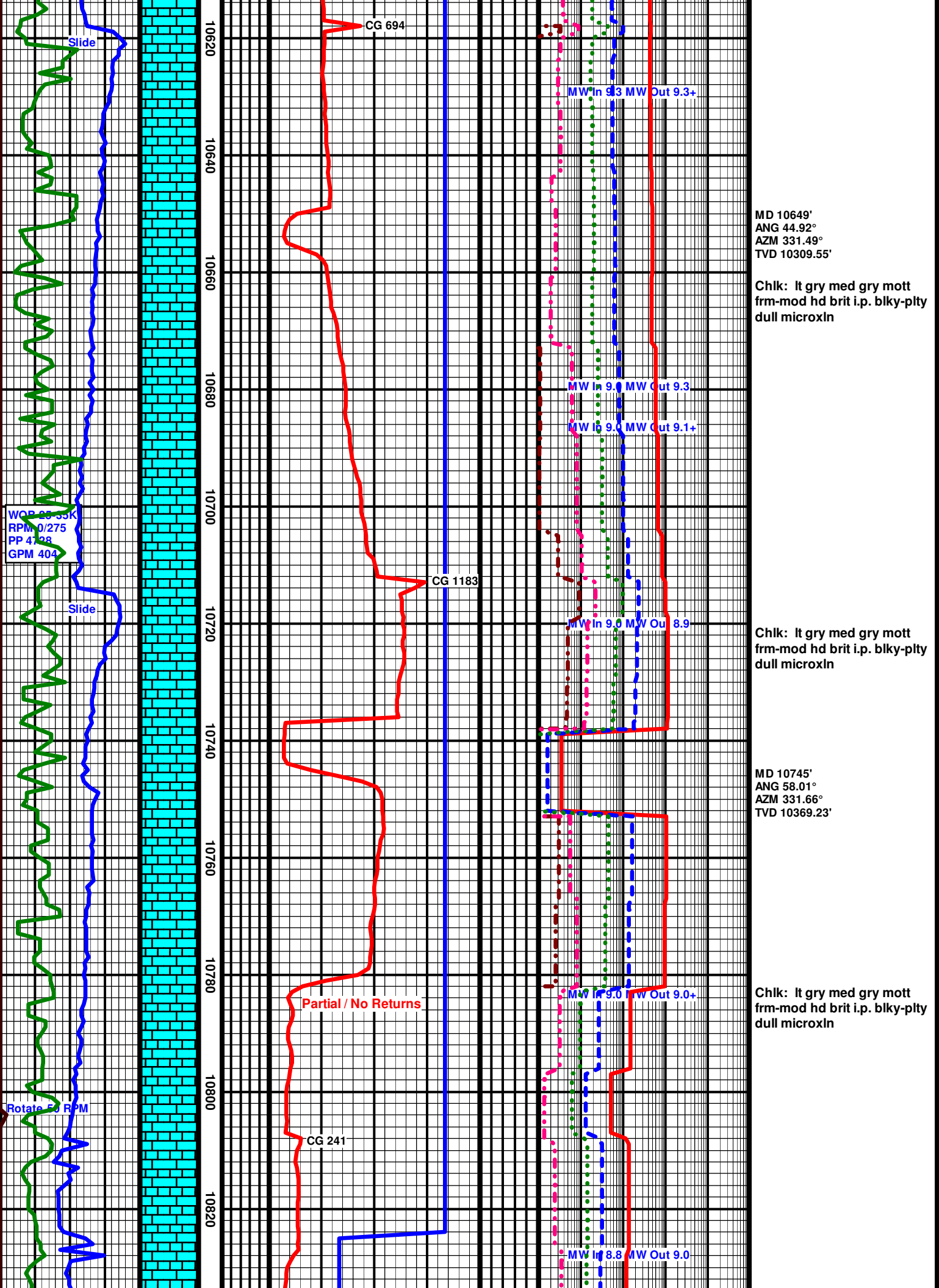
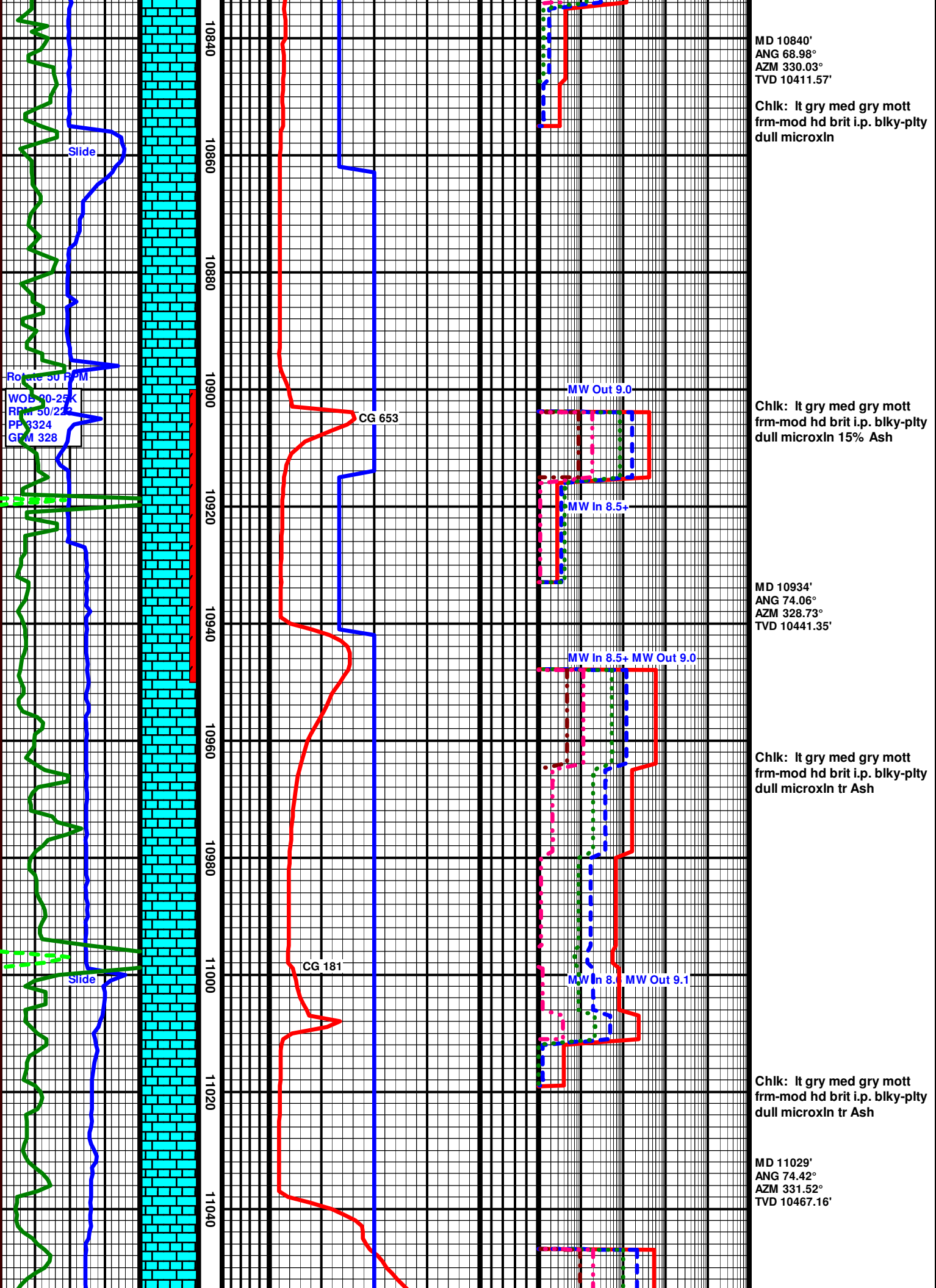


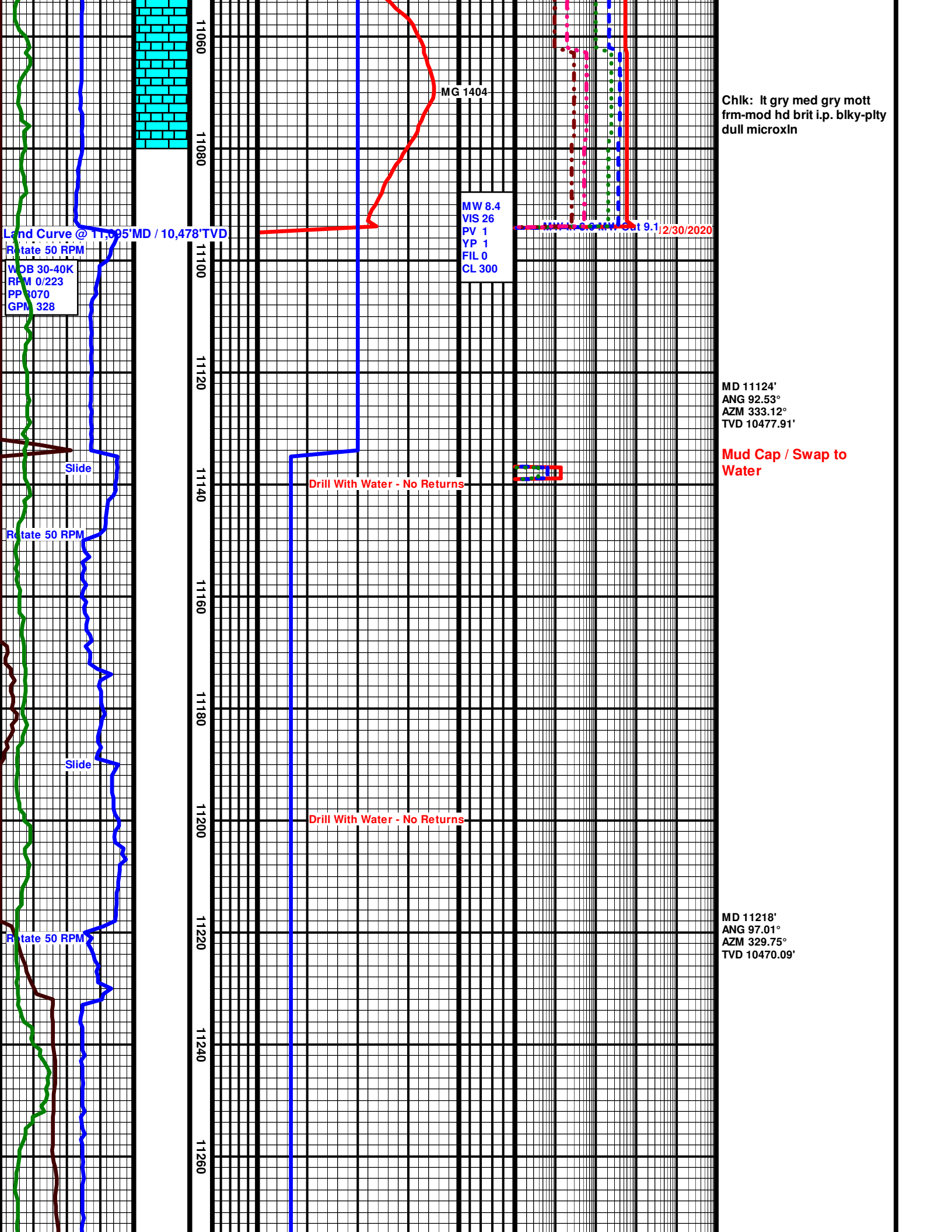


MD 10364'  
ANG 31.20°  
AZM 326.10°  
TVD 10076.33'









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

Land Curve @ 11,095' MD / 10,478' TVD  
Rotate 50 RPM  
WOB 30-40K  
RPM 0/223  
PP 070  
GPM 328

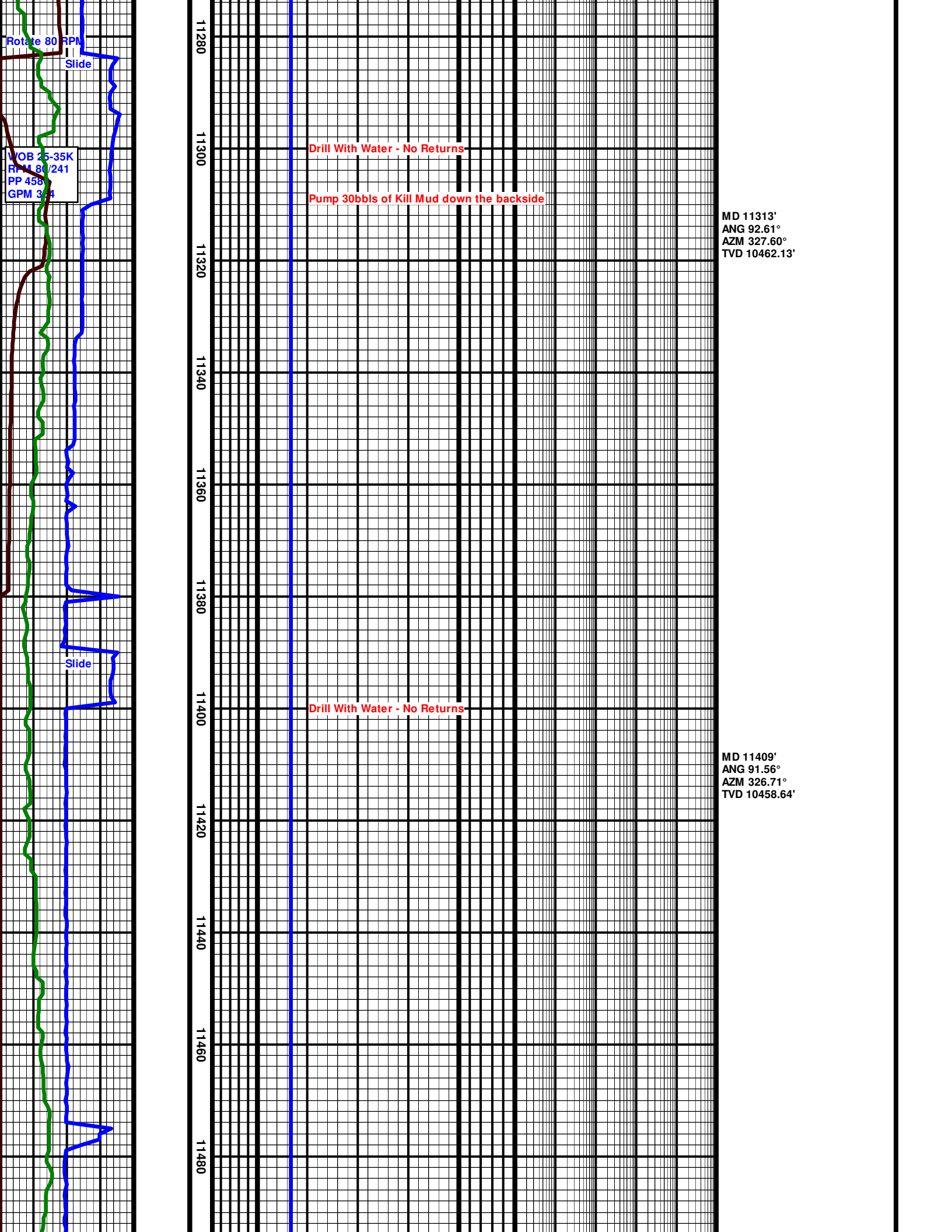
MW 8.4  
VIS 26  
PV 1  
YP 1  
FIL 0  
CL 300

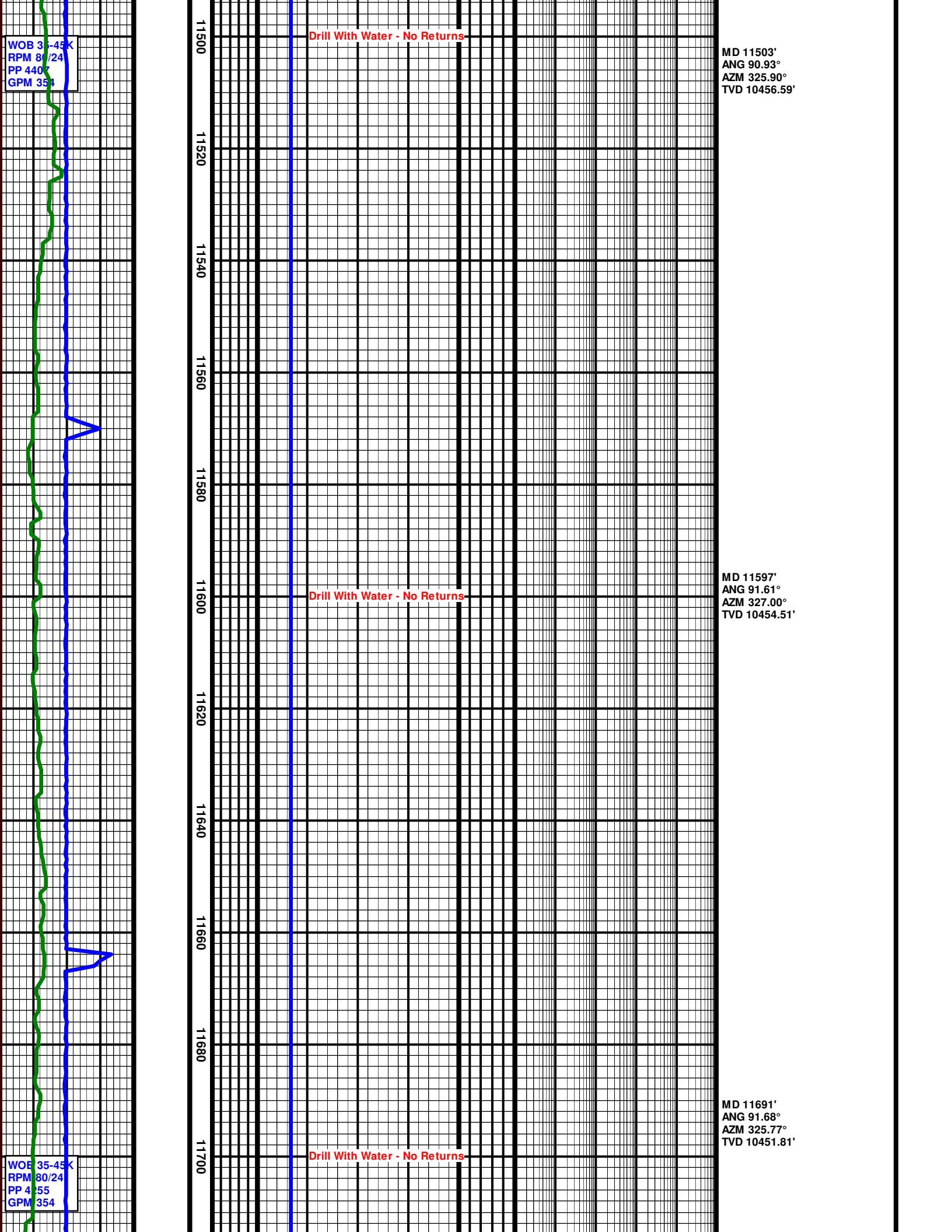
MW 9.1 2/30/2020

MD 11124'  
ANG 92.53°  
AZM 333.12°  
TVD 10477.91'

Mud Cap / Swap to  
Water

MD 11218'  
ANG 97.01°  
AZM 329.75°  
TVD 10470.09'





WOB 35-45 K  
RPM 80/24  
PP 440  
GPM 354

MD 11503'  
ANG 90.93°  
AZM 325.90°  
TVD 10456.59'

Drill With Water - No Returns

Drill With Water - No Returns

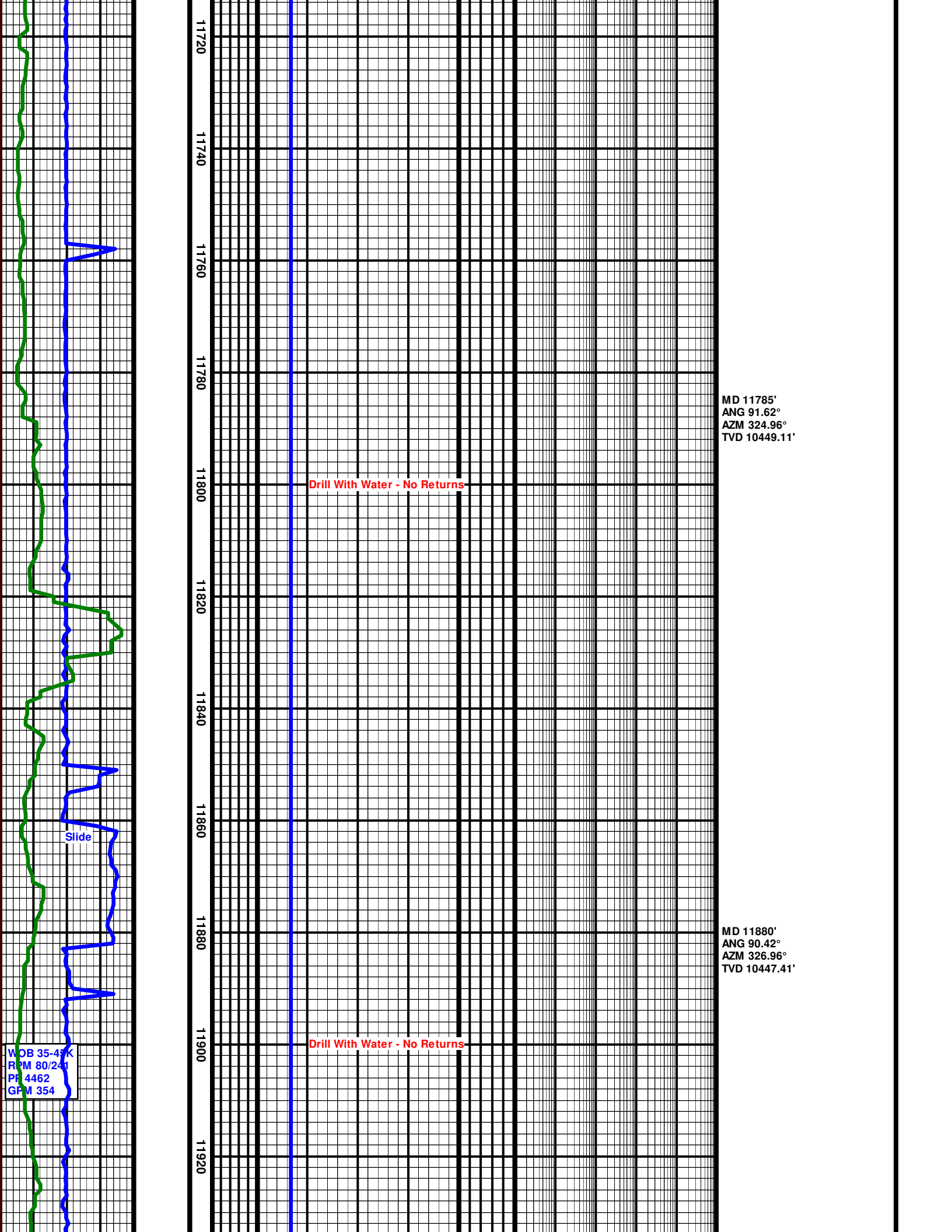
MD 11597'  
ANG 91.61°  
AZM 327.00°  
TVD 10454.51'

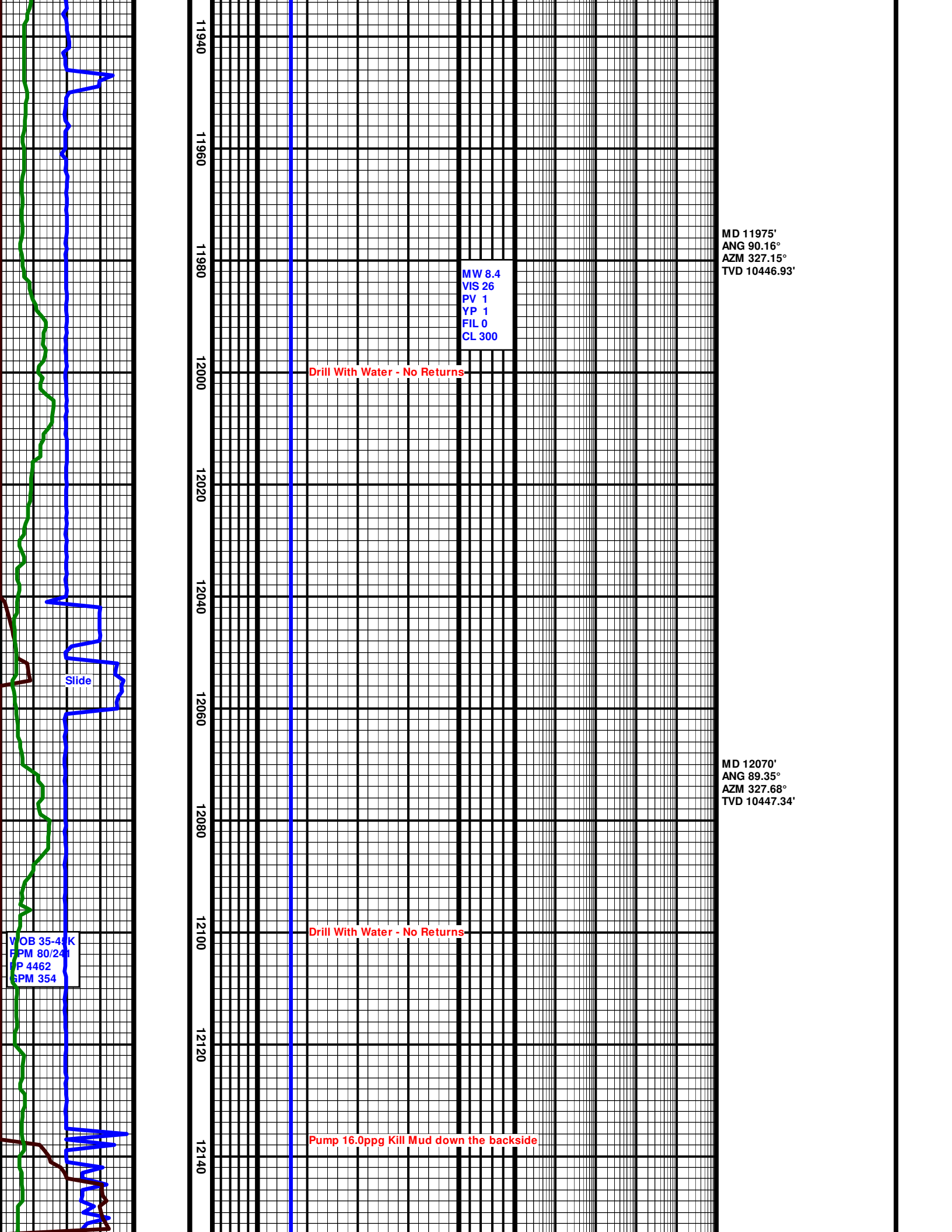
Drill With Water - No Returns

MD 11691'  
ANG 91.68°  
AZM 325.77°  
TVD 10451.81'

WOB 35-45 K  
RPM 80/24  
PP 455  
GPM 354







11940 11960 11980 12000 12020 12040 12060 12080 12100 12120 12140

MW 8.4  
VIS 26  
PV 1  
YP 1  
FIL 0  
CL 300

Drill With Water - No Returns

Slide

V OB 35-48 K  
FPM 80/240  
P 4462  
SPM 354

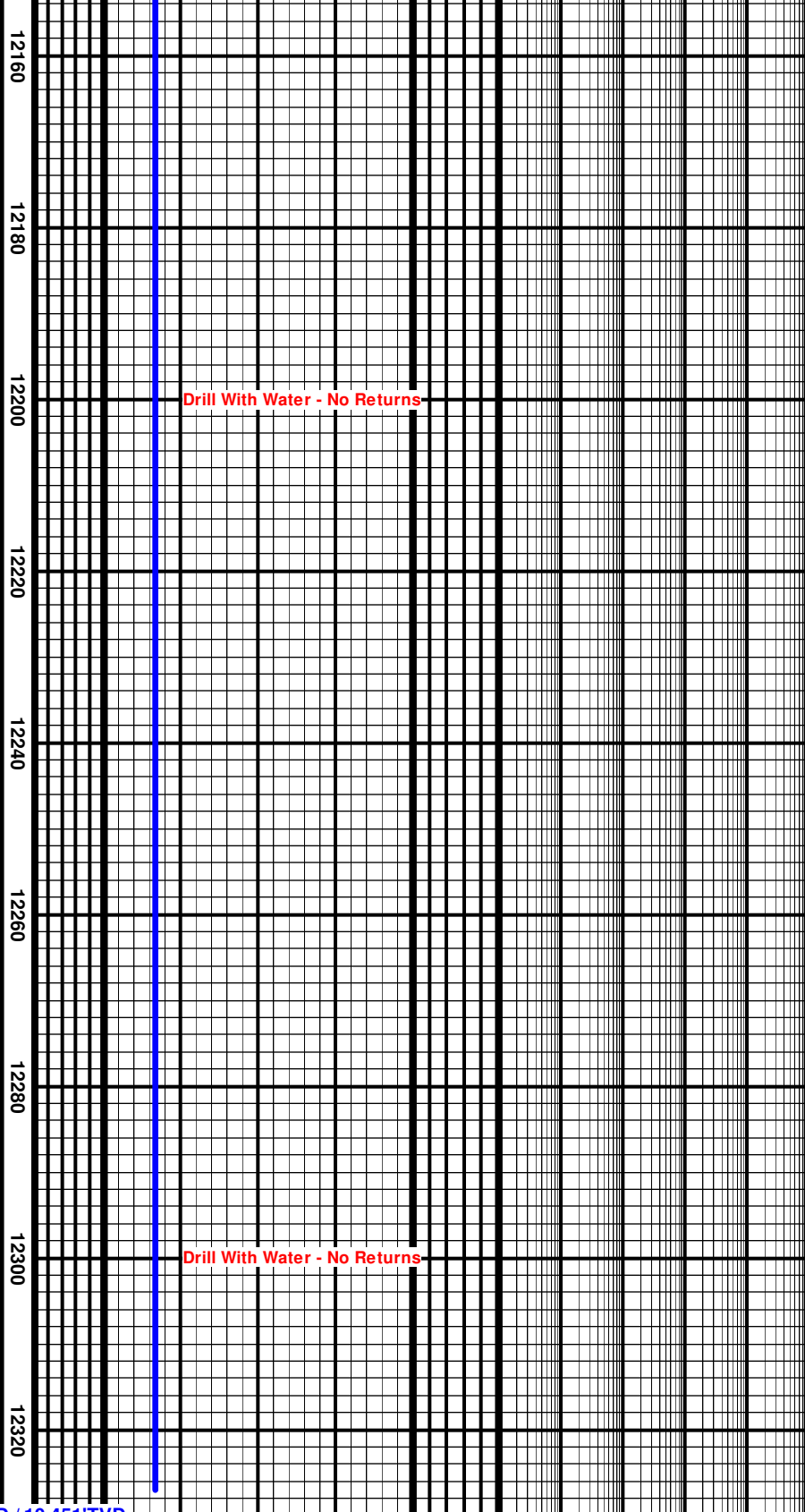
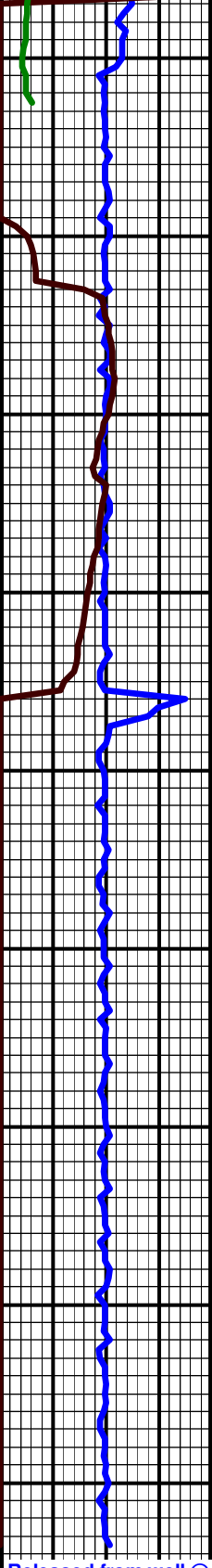
Drill With Water - No Returns

Pump 16.0ppg Kill Mud down the backside

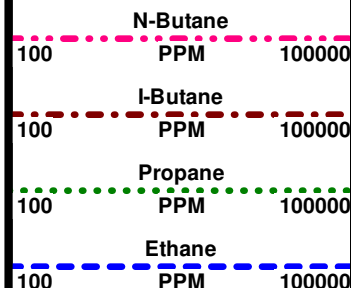
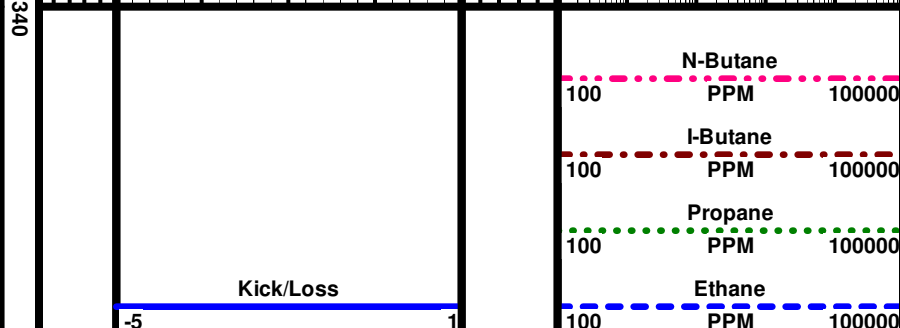
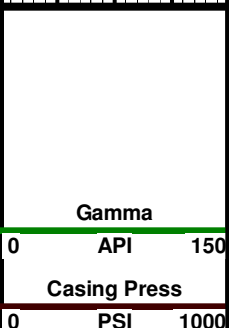
MD 11975'  
ANG 90.16°  
AZM 327.15°  
TVD 10446.93'

MD 12070'  
ANG 89.35°  
AZM 327.68°  
TVD 10447.34'

MD 12165'  
ANG 88.78°  
AZM 327.45°  
TVD 10448.89'



Released from well @ 12,327'MD / 10,451'TVD



ROP						Total Gas				Methane			
400	Ft/Hr	0				0	Units	1600		100	PPM	100000	
ROP			Lith		Frac.	Gas			Fluor	Chromatograph			Remarks